

EX-2.4i

Base Capacity: 100 Mbps + 4xT1/E1

Max Capacity: 200 Mbps + 4xT1/E1

2.4 GHz Point-to-Point Microwave Radio



All-indoor, carrier-class 2.4 GHz TDD microwave radio for enterprises and mobile operators. Features include native TDM and native Ethernet, guaranteed link availability and user throughput, software upgradeable capacity and low, fixed latency.

CPN	Description	UOM	List Price
E240001	2.4 GHz IDU terminal, 100 Mbps + 4xT1/E1 expandable to 200 Mbps + 4xT1/E1; includes AC adapter	Terminal	\$7,105.00
E240002	OBSOLETE CPN 2.4 GHz IDU complete hop, 100 Mbps + 4xT1/E1 expandable to 200 Mbps + 4xT1/E1; includes AC adapters	Hop	\$14,210.00

Upgrades EX-2.4i

K001240001	Upgrade Key, EX-2.4i single terminal, from 100 Mbps (32 MHz/Mode 2) + 4xT1/E1 to 200 Mbps (64 MHz/Mode 2) + 4xT1/E1	Each	\$1,500.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories EX-2.4i

A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A930102	SPARE accessory kit for EX-i Series and EX-s Series IDUs. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00

Extended Support EX-2.4i

S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-2.4i Lite

Base Capacity: 27 Mbps + 0xT1/E1

Max Capacity: 100 Mbps + 4xT1/E1

2.4 GHz Point-to-Point Microwave Radio



Entry-level, all-indoor, carrier-class 2.4 GHz TDD microwave radio for enterprises and service providers. Features include software upgradeable capacity, interference avoidance, throughput symmetry control and low, fixed latency.

CPN	Description	UOM	List Price
E240031	2.4 GHz IDU terminal, 27 Mbps + 0xT1/E1 expandable to 100 Mbps + 4xT1/E1; includes AC adapter	Terminal	\$3,600.00
E240032	OBSOLETE CPN 2.4 GHz IDU complete hop, 27 Mbps + 0xT1/E1 expandable to 100 Mbps + 4xT1/E1; includes AC adapter	Hop	\$7,200.00

Upgrades EX-2.4i Lite

K00A240031	Upgrade Key, EX-2.4i Lite, single terminal, 55 Mbps to 100 Mbps	Each	\$3,800.00
K00B240031	Upgrade Key, EX-2.4i Lite, single terminal, 27 Mbps to 55 Mbps	Each	\$800.00
K014240031	Upgrade Key, EX-2.4i Lite, single terminal, 27 Mbps to 100 Mbps	Each	\$4,600.00
K015240031	Upgrade Key, EX-2.4i Lite, single terminal, 0xT1/E1 to 2xT1/E1	Each	\$250.00
K016240031	Upgrade Key, EX-2.4i Lite, single terminal, 0xT1/E1 to 4xT1/E1	Each	\$500.00
K017240031	Upgrade Key, EX-2.4i Lite, single terminal, 2xT1/E1 to 4xT1/E1	Each	\$250.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories EX-2.4i Lite

A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A930102	SPARE accessory kit for EX-i Series and EX-s Series IDUs. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00

Extended Support EX-2.4i Lite

S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-2.4i-16

Base Capacity: 100 Mbps + 4xT1/E1

Max Capacity: 200 Mbps + 16xT1/E1

2.4 GHz Microwave Backhaul Radio



All-indoor, carrier-class 2.4 GHz TDD microwave radio for mobile operators. Features include native TDM and native Ethernet, software upgradeable capacity, selectable channel bandwidth and modulation and low, fixed latency.

CPN	Description	UOM	List Price
E240101	2.4 GHz IDU terminal, 100 Mbps + 4xT1/E1 expandable to 200 Mbps + 16xT1/E1; includes AC adapter	Terminal	\$7,900.00
E240102	OBSOLETE CPN 2.4 GHz IDU complete hop, 100 Mbps + 4xT1/E1 expandable to 200 Mbps + 16xT1/E1; includes AC adapters	Hop	\$15,800.00

Upgrades EX-2.4i-16

K002240101	Upgrade Key, EX-2.4i-16 single terminal, 4xT1/E1 to 8xT1/E1	Each	\$700.00
K003240101	Upgrade Key, EX-2.4i-16 single terminal, 4xT1/E1 to 12xT1/E1	Each	\$1,400.00
K004240101	Upgrade Key, EX-2.4i-16 single terminal, 4xT1/E1 to 16xT1/E1	Each	\$2,100.00
K005240101	Upgrade Key, EX-2.4i-16 single terminal, 8xT1/E1 to 12xT1/E1	Each	\$700.00
K006240101	Upgrade Key, EX-2.4i-16 single terminal, 8xT1/E1 to 16xT1/E1	Each	\$1,400.00
K007240101	Upgrade Key, EX-2.4i-16 single terminal, 12xT1/E1 to 16xT1/E1	Each	\$700.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories EX-2.4i-16

A200788	EX-i Series Monitored Hot Standby (MHS) Kit. Single endpoint (2 terminal). Includes protection cabling and mounting hardware. Secondary IDU not included	Each	\$4,299.00
A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each	\$50.00
A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A93000134	SPARE accessory Kit for EX-i-16 and EX-s-16 IDUs. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00

Extended Support EX-2.4i-16

S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-4.9i

Base Capacity: 27 Mbps + 2xT1/E1

Max Capacity: 55 Mbps + 4xT1/E1

4.9 GHz Point-to-Point Microwave Radio



All-indoor, carrier-class 4.9 GHz TDD microwave radio for government and public safety organizations. Features include native TDM and native Ethernet, guaranteed link availability and user throughput, throughput symmetry control and ExaltSync™ high density collocation.

CPN	Description	UOM	List Price
E490231	4.9 GHz IDU terminal, 27 Mbps + 2xT1/E1 expandable to 55 Mbps + 4xT1/E1; includes AC adapter	Terminal	\$5,485.00
E490232	OBSOLETE CPN 4.9 GHz IDU complete hop, 27 Mbps + 2xT1/E1 expandable to 55 Mbps + 4xT1/E1; includes AC adapter	Hop	\$10,970.00

Upgrades EX-4.9i

K00B490231	Upgrade Key, EX-4.9i single terminal, 27 Mbps + 2xT1/E1 to 55 Mbps + 4xT1/E1	Each	\$1,000.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories EX-4.9i

A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A930102	SPARE accessory kit for EX-i Series and EX-s Series IDUs. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00

Extended Support EX-4.9i

S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-5i

Base Capacity: 100 Mbps + 4xT1/E1

Max Capacity: 200 Mbps + 4xT1/E1

Tri-Band 5 GHz Point-to-Point Microwave Radio



All-indoor, carrier-class 5 GHz TDD microwave radio for enterprises and mobile operators. Features include native TDM and native Ethernet, guaranteed link availability and user throughput, software upgradeable capacity and low, fixed latency.

CPN	Description	UOM	List Price
E580001	5 GHz tri-band IDU terminal, 100 Mbps + 4xT1/E1 expandable to 200 Mbps + 4xT1/E1; includes AC adapter	Terminal	\$7,105.00
E580002	OBSOLETE CPN 5 GHz tri-band IDU complete hop, 100 Mbps + 4xT1/E1 expandable to 200 Mbps + 4xT1/E1; includes AC adapters	Hop	\$14,210.00

Upgrades

EX-5i

K001580001	Upgrade Key, EX-5i single terminal, from 100 Mbps to 200 Mbps	Each	\$1,500.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories

EX-5i

A100462	Capacity Expansion Kit for 5+ 6 GHz capacity upgrade -single terminal	Each	\$1,250.00
A100480	CPR-137 waveguide to N (F) adapters (set of 2) for use with 5+6 GHz Capacity Expansion kit	Each	\$550.00
A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A930102	SPARE accessory kit for EX-i Series and EX-s Series IDUs. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00

Extended Support

EX-5i

S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-5i Lite

Base Capacity: 27 Mbps + 0xT1/E1

Max Capacity: 100 Mbps + 4xT1/E1

Tri-Band 5 GHz Point-to-Point Microwave Radio



Entry-level, all-indoor, carrier-class 5 GHz TDD microwave radio for enterprises and service providers. Features include software upgradeable capacity, interference avoidance, throughput symmetry control and low, fixed latency.

CPN	Description	UOM	List Price
E500221	5 GHz tri-band IDU terminal, 27Mbps + 0xT1/E1 expandable to 100 Mbps + 4xT1/E1; includes AC adapter	Terminal	\$3,600.00
E500222	OBSOLETE CPN 5 GHz tri-band IDU complete hop, 27Mbps + 0xT1/E1 expandable to 100 Mbps + 4xT1/E1; includes AC adapter	Hop	\$7,200.00

Upgrades EX-5i Lite

K00A500221	Upgrade Key, EX-5i lite, single terminal, 55 Mbps to 100 Mbps	Each	\$3,800.00
K00B500221	Upgrade Key, EX-5i Lite, single terminal, 27 Mbps to 55 Mbps	Each	\$800.00
K014500221	Upgrade Key, EX-5i Lite, single terminal, 27 Mbps to 100 Mbps	Each	\$4,600.00
K015500221	Upgrade Key, EX-5i Lite, single terminal, 0xT1/E1 to 2xT1/E1	Each	\$250.00
K016500221	Upgrade Key, EX-5i Lite, single terminal, 0xT1/E1 to 4xT1/E1	Each	\$500.00
K017500221	Upgrade Key, EX-5i Lite, single terminal, 2xT1/E1 to 4xT1/E1	Each	\$250.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories EX-5i Lite

A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A930102	SPARE accessory kit for EX-i Series and EX-s Series IDUs. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00

Extended Support EX-5i Lite

S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-5i-16

Base Capacity: 100 Mbps + 4xT1/E1

Max Capacity: 200 Mbps + 16xT1/E1

Tri-Band 5 GHz Microwave Backhaul Radio



All-indoor, carrier-class 5 GHz TDD microwave radio for mobile operators. Features include native TDM and native Ethernet, software upgradeable capacity, selectable channel bandwidth and modulation and low, fixed latency.

CPN	Description	UOM	List Price
E580101	5 GHz tri-band IDU terminal, 100 Mbps + 4xT1/E1 expandable to 200 Mbps + 16xT1/E1; includes AC adapter	Terminal	\$7,900.00
E580102	OBSOLETE CPN 5 GHz tri-band IDU complete hop, 100 Mbps + 4xT1/E1 expandable to 200 Mbps + 16xT1/E1; includes AC adapters	Hop	\$15,800.00

Upgrades EX-5i-16

K002580101	Upgrade Key, EX-5i-16 single terminal, 4xT1/E1 to 8xT1/E1	Each	\$700.00
K003580101	Upgrade Key, EX-5i-16 single terminal, 4xT1/E1 to 12xT1/E1	Each	\$1,400.00
K004580101	Upgrade Key, EX-5i-16 single terminal, 4xT1/E1 to 16xT1/E1	Each	\$2,100.00
K005580101	Upgrade Key, EX-5i-16 single terminal, 8xT1/E1 to 12xT1/E1	Each	\$700.00
K006580101	Upgrade Key, EX-5i-16 single terminal, 8xT1/E1 to 16xT1/E1	Each	\$1,400.00
K007580101	Upgrade Key, EX-5i-16 single terminal, 12xT1/E1 to 16xT1/E1	Each	\$700.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories EX-5i-16

A100462	Capacity Expansion Kit for 5+ 6 GHz capacity upgrade -single terminal	Each	\$1,250.00
A100480	CPR-137 waveguide to N (F) adapters (set of 2) for use with 5+6 GHz Capacity Expansion kit	Each	\$550.00
A200788	EX-i Series Monitored Hot Standby (MHS) Kit. Single endpoint (2 terminal). Includes protection cabling and mounting hardware. Secondary IDU not included	Each	\$4,299.00
A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each	\$50.00
A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A93000134	SPARE accessory Kit for EX-i-16 and EX-s-16 IDUs. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00

Extended Support EX-5i-16

S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-5i-DS3

Base Capacity: 100 Mbps + 4xT1/E1 + 0xDS3

Max Capacity: 200 Mbps + 16xT1/E1 + 1xDS3

Tri-Band 5 GHz Microwave Backhaul Radio with DS3



All-indoor, carrier-class 5 GHz TDD microwave radio for mobile operators. Features include native TDM and native Ethernet, software upgradeable capacity, selectable channel bandwidth and modulation and low, fixed latency.

CPN	Description	UOM	List Price
E500501	5 GHz tri-band IDU terminal, 100 Mbps + 4xT1/E1 + 0xDS3 expandable to 200 Mbps + 16xT1/E1 + 1xDS3; includes AC adapter	Terminal	\$10,000.00
E500502	OBSOLETE CPN 5 GHz tri-band IDU complete hop, 100 Mbps + 4xT1/E1 + 0xDS3 expandable to 200 Mbps + 16xT1/E1 + 1xDS3; includes AC adapters	Hop	\$20,000.00

Upgrades EX-5i-DS3

K002500501	Upgrade Key, EX-5i-DS3 single terminal, 4xT1/E1 to 8xT1/E1	Each	\$700.00
K003500501	Upgrade Key, EX-5i-DS3 single terminal, 4xT1/E1 to 12xT1/E1	Each	\$1,400.00
K004500501	Upgrade Key, EX-5i-DS3 single terminal, 4xT1/E1 to 16xT1/E1	Each	\$2,100.00
K005500501	Upgrade Key, EX-5i-DS3 single terminal, 8xT1/E1 to 12xT1/E1	Each	\$700.00
K006500501	Upgrade Key, EX-5i-DS3 single terminal, 8xT1/E1 to 16xT1/E1	Each	\$1,400.00
K007500501	Upgrade Key, EX-5i-DS3 single terminal, 12xT1/E1 to 16xT1/E1	Each	\$700.00
K00C500501	Upgrade Key, EX-5i-DS3 single terminal, 0xDS3 to 1xDS3	Each	\$3,600.00
K00D500501	Upgrade Key, EX-5i-DS3 single terminal, 100 Mbps to 200 Mbps Ethernet only (does not include additional T1/E1)	Each	\$2,100.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories EX-5i-DS3

A100462	Capacity Expansion Kit for 5+ 6 GHz capacity upgrade -single terminal	Each	\$1,250.00
A100480	CPR-137 waveguide to N (F) adapters (set of 2) for use with 5+6 GHz Capacity Expansion kit	Each	\$550.00
A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00

Extended Support EX-5i-DS3

S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-11i-4DS3-GigE 29dBm

Base Capacity: 45 Mbps full-duplex + 0xT1/E1 + 1xDS3

Max Capacity: 250 Mbps full-duplex + 4xT1/E1 + 4xDS3

29 dBm 11 GHz Microwave Backhaul Radio

All-indoor, carrier-class, 29dBm 11 GHz (10.700-11.700 GHz) microwave radio. Features include native TDM and native Ethernet, software upgradeable capacity, SNMP v3 for secure management and optional 128-bit and 256-bit AES encryption.



CPN	Description	UOM	List Price
EA15E01	11 GHz IDU terminal (10.700-11.700GHz), 29dBm; 165 Mbps + 0xT1/E1 + 1xDS3 expandable to 252 Mbps +4x T1/E1+ 4xDS3, 1+0: single receiver; does not include diplexer	Terminal	\$16,840.00

Diplexers		EX-11i-4DS3-GigE 29dBm	
AEA1X6011	EX-i Series GigE 11 GHz Diplexer Filter H/L B1 (10700-10900 MHz/ 11200-11400 MHz), TR:490/500 MHz, single terminal or space diversity	Each	\$1,000.00
AEA1X6012	EX-i Series GigE 11 GHz Diplexer Filter H/L B2 (10850-11050 MHz/ 11350-11550 MHz), TR:490/500 MHz, single terminal or space diversity	Each	\$1,000.00
AEA1X6013	EX-i Series GigE 11 GHz Diplexer Filter H/L B3 (11000-11200 MHz/ 11500-11700 MHz), TR:490/500 MHz, single terminal or space diversity	Each	\$1,000.00
AEA1X6014	EX-i Series GigE 11GHz Diplexer Filter; Non-standard TR (custom order: TR spacing or specific channel must be specified with order)	Each	\$1,500.00

Upgrades		EX-11i-4DS3-GigE 29dBm	
K00GA1X601	Upgrade Key 0xT1/E1 to 4xT1/E1, single terminal 11 GHz EX-i Series GigE	Each	\$400.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
K01AA1X601	Upgrade Key, single terminal 11 GHz EX-i Series GigE, Space Diversity or Receiver Protection, single terminal (1.5+0 semi-protected terminals only)	Each	\$1,300.00
K01PXX0EX1	Upgrade Key 1xDS3 to 2xDS3, single terminal EX-i Series GigE	Each	\$1,400.00
K01QXX0EX1	Upgrade Key 1xDS3 to 3xDS3, single terminal EX-i Series GigE	Each	\$2,800.00
K01RXX0EX1	Upgrade Key 1xDS3 to 4xDS3, single terminal for EX-i Series GigE	Each	\$4,200.00
K01SXX0EX1	Upgrade Key 2xDS3 to 3xDS3, single terminal EX-i Series GigE	Each	\$1,400.00
K01TXX0EX1	Upgrade Key 2xDS3 to 4xDS3, single terminal EX-i Series GigE	Each	\$2,800.00
K01UA1X601	Upgrade Key, single terminal 11GHz Ex-i Series GigE from 166 Mbps to 252 Mbps Ethernet	Each	\$1,250.00
K01UXX0EX1	Upgrade Key 3xDS3 to 4xDS3 single terminal EX-i Series GigE	Each	\$1,400.00

Accessories		EX-11i-4DS3-GigE 29dBm	
A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each	\$50.00
A202729	SPARE accessory kit EX-i Series GigE, single terminal. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00
A204147	11 GHz EX-i Series GigE Monitored Hot Standby (MHS) Kit. Single endpoint, Includes RF switch panel, panel cabling and 1/6 RF combiner. Does not include second IDU, T1/E1 protection cables or diplexers	Each	\$1,245.00
A204148	11 GHz EX-i Series GigE 1.5+0 receiver protection kit (1.5+0 semi-protected terminals only)	Each	\$450.00
A204149	11 GHz EX-i Series GigE Circulator	Each	\$165.00
AE000X1X4	Monitored Hot Standby (MHS) DS3 protection cable. Single endpoint. Includes 1xDS3 protection cable.	Each	\$130.00
AEA1X6015	WR90 11 GHz waveguide flange adapter with SMA-F connector	Each	\$310.00



January 2010 Price List

Exalt Products

Extended Support

EX-11i-4DS3-GigE 29dBm

S001T02	1-year warranty extension, single GigE terminal	Each	\$1,020.00
S002T02	3-year warranty extension, single GigE terminal	Each	\$1,950.00
S003T02	1-year advanced replacement & emergency support, single GigE terminal	Each	\$1,500.00
S004T02	2-year advanced replacement & emergency support, single GigE terminal	Each	\$2,400.00
S005T02	3-year advanced replacement & emergency support, single GigE terminal	Each	\$2,850.00
S006T02	5-year advanced replacement & emergency support, single GigE terminal	Each	\$3,300.00
S007T02	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single GigE terminal	Each	\$4,800.00

EX-11i-DS3-GigE 29dBm

Base Capacity: 45 Mbps full-duplex + 0xT1/E1 + 0xDS3

Max Capacity: 252 Mbps full-duplex + 16xT1/E1 + 1xDS3

29 dBm 11 GHz Microwave Backhaul Radio

All-indoor, carrier-class, 29dBm 11 GHz (10.700-11.700 GHz) microwave radio. Features include native TDM and native Ethernet, software upgradeable capacity, SNMP v3 for secure management and optional 128-bit and 256-bit AES encryption.



CPN	Description	UOM	List Price
EA15601	11 GHz IDU terminal 10.700-11.700GHz), 29dBm; 45 Mbps + 0xT1/E1 + 0xDS3 expandable to 252 Mbps +16x T1/E1+ 1xDS3, 1+0: single receiver; does not include diplexer	Terminal	\$13,255.00
EA16601	11 GHz IDU terminal (10.700-11.700 GHz), 29dBm 45 Mbps + 0xT1/E1 + 0xDS3 expandable to 252 Mbps +16x T1/E1+ 1xDS3, 1.5+0: dual receiver with TxFS fail-safe switching; diplexer not included	Terminal	\$14,990.00

Diplexers EX-11i-DS3-GigE 29dBm

AEA1X6011	EX-i Series GigE 11 GHz Diplexer Filter H/L B1 (10700-10900 MHz/ 11200-11400 MHz), TR:490/500 MHz, single terminal or space diversity	Each	\$1,000.00
AEA1X6012	EX-i Series GigE 11 GHz Diplexer Filter H/L B2 (10850-11050 MHz/ 11350-11550 MHz), TR:490/500 MHz, single terminal or space diversity	Each	\$1,000.00
AEA1X6013	EX-i Series GigE 11 GHz Diplexer Filter H/L B3 (11000-11200 MHz/ 11500-11700 MHz), TR:490/500 MHz, single terminal or space diversity	Each	\$1,000.00
AEA1X6014	EX-i Series GigE 11GHz Diplexer Filter; Non-standard TR (custom order: TR spacing or specific channel must be specified with order)	Each	\$1,500.00

Upgrades EX-11i-DS3-GigE 29dBm

K002A1X601	Upgrade Key, single terminal EX-11i-DS3-GigE, 4xT1/E1 to 8xT1/E1	Each	\$400.00
K003A1X601	Upgrade Key, single terminal EX-11i-DS3-GigE, 4xT1/E1 to 12xT1/E1	Each	\$800.00
K004A1X601	Upgrade Key, single terminal EX-11i-DS3-GigE, 4xT1/E1 to 16xT1/E1	Each	\$1,200.00
K005A1X601	Upgrade Key, single terminal EX-11i-DS3-GigE, 8xT1/E1 to 12xT1/E1	Each	\$400.00
K006A1X601	Upgrade Key, single terminal EX-11i-DS3-GigE, 8xT1/E1 to 16xT1/E1	Each	\$800.00
K007A1X601	Upgrade Key, single terminal EX-11-DS3-GigE, 12xT1/E1 to 16xT1/E1	Each	\$400.00
K00CA15601	Upgrade Key, single terminal EX-11i-DS3-GigE, 0xDS3 to 1xDS3	Each	\$1,800.00
K00GA1X601	Upgrade Key 0xT1/E1 to 4xT1/E1, single terminal 11 GHz EX-i Series GigE	Each	\$400.00
K00PA1X601	Upgrade Key, single terminal EX-11i-DS3-GigE, 0xT1/E1 to 8xT1/E1	Each	\$800.00
K00QA1X601	Upgrade Key, single terminal EX-11i-DS3-GigE, 0xT1/E1 to 12xT1/E1	Each	\$1,200.00
K00RA15601	Upgrade Key, single terminal EX-11i-DS3-GigE, 0xT1/E1 to 16xT1/E1	Each	\$1,600.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
K01AA1X601	Upgrade Key, single terminal 11 GHz EX-i Series GigE, Space Diversity or Receiver Protection, single terminal (1.5+0 semi-protected terminals only)	Each	\$1,300.00
K01PA1X601	Upgrade Key, single terminal 11 GHz EX-i Series GigE from 45 Mbps to 165 Mbps Ethernet	Each	\$1,600.00
K01QA1X601	Upgrade Key, single terminal 11 GHz EX-i Series GigE from 45 Mbps to 252 Mbps Ethernet	Each	\$2,850.00
K01UA1X601	Upgrade Key, single terminal 11GHz Ex-i Series GigE from 166 Mbps to 252 Mbps Ethernet	Each	\$1,250.00



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Accessories		EX-11i-DS3-GigE 29dBm
A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each \$50.00
A202729	SPARE accessory kit EX-i Series GigE, single terminal. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each \$79.00
A204147	11 GHz EX-i Series GigE Monitored Hot Standby (MHS) Kit. Single endpoint, Includes RF switch panel, panel cabling and 1/6 RF combiner. Does not include second IDU, T1/E1 protection cables or diplexers	Each \$1,245.00
A204148	11 GHz EX-i Series GigE 1.5+0 receiver protection kit (1.5+0 semi-protected terminals only)	Each \$450.00
A204149	11 GHz EX-i Series GigE Circulator	Each \$165.00
AE000X1X4	Monitored Hot Standby (MHS) DS3 protection cable. Single endpoint. Includes 1xDS3 protection cable.	Each \$130.00
AEA1X6015	WR90 11 GHz waveguide flange adapter with SMA-F connector	Each \$310.00
Extended Support		EX-11i-DS3-GigE 29dBm
S001T02	1-year warranty extension, single GigE terminal	Each \$1,020.00
S002T02	3-year warranty extension, single GigE terminal	Each \$1,950.00
S003T02	1-year advanced replacement & emergency support, single GigE terminal	Each \$1,500.00
S004T02	2-year advanced replacement & emergency support, single GigE terminal	Each \$2,400.00
S005T02	3-year advanced replacement & emergency support, single GigE terminal	Each \$2,850.00
S006T02	5-year advanced replacement & emergency support, single GigE terminal	Each \$3,300.00
S007T02	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single GigE terminal	Each \$4,800.00

EX-11i-OC3-GigE 29dBm

Base Capacity: 165 Mbps full-duplex + 0xT1/E1 + 1xOC3

Max Capacity: 250 Mbps full-duplex + 4xT1/E1 + 2xOC3

29 dBm 11 GHz Microwave Backhaul Radio

All-indoor, carrier-class, 29dBm 11 GHz (10.700-11.700 GHz) microwave radio. Features include native TDM and native Ethernet, software upgradeable capacity, SNMP v3 for secure management and optional 128-bit and 256-bit AES encryption.



CPN	Description	UOM	List Price
EA15H01	11 GHz IDU terminal 10.700-11.700GHz), 29dBm; 165 Mbps + 0xT1/E1 + 1xOC3 expandable to 252 Mbps +4x T1/E1+ 1xOC3, 1+0: single receiver; does not include diplexer	Terminal	\$20,980.00
EA16H01	11 GHz IDU terminal 10.700-11.700GHz), 29dBm; 165 Mbps + 0xT1/E1 + 1xOC3 expandable to 252 Mbps +4x T1/E1+ 1xOC3, 1.5+0: dual receiver with TxFS fail-safe switching; diplexer not included	Terminal	\$23,520.00

Diplexers		EX-11i-OC3-GigE 29dBm	
AEA1X6011	EX-i Series GigE 11 GHz Diplexer Filter H/L B1 (10700-10900 MHz/ 11200-11400 MHz), TR:490/500 MHz, single terminal or space diversity	Each	\$1,000.00
AEA1X6012	EX-i Series GigE 11 GHz Diplexer Filter H/L B2 (10850-11050 MHz/ 11350-11550 MHz), TR:490/500 MHz, single terminal or space diversity	Each	\$1,000.00
AEA1X6013	EX-i Series GigE 11 GHz Diplexer Filter H/L B3 (11000-11200 MHz/ 11500-11700 MHz), TR:490/500 MHz, single terminal or space diversity	Each	\$1,000.00
AEA1X6014	EX-i Series GigE 11GHz Diplexer Filter; Non-standard TR (custom order: TR spacing or specific channel must be specified with order)	Each	\$1,500.00

Upgrades		EX-11i-OC3-GigE 29dBm	
K00GA1X601	Upgrade Key 0xT1/E1 to 4xT1/E1, single terminal 11 GHz EX-i Series GigE	Each	\$400.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
K01AA1X601	Upgrade Key, single terminal 11 GHz EX-i Series GigE, Space Diversity or Receiver Protection, single terminal (1.5+0 semi-protected terminals only)	Each	\$1,300.00
K01UA1X601	Upgrade Key, single terminal 11GHz Ex-i Series GigE from 166 Mbps to 252 Mbps Ethernet	Each	\$1,250.00

Accessories		EX-11i-OC3-GigE 29dBm	
A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each	\$50.00
A202729	SPARE accessory kit EX-i Series GigE, single terminal. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00
A204147	11 GHz EX-i Series GigE Monitored Hot Standby (MHS) Kit. Single endpoint, Includes RF switch panel, panel cabling and 1/6 RF combiner. Does not include second IDU, T1/E1 protection cables or diplexers	Each	\$1,245.00
A204148	11 GHz EX-i Series GigE 1.5+0 receiver protection kit (1.5+0 semi-protected terminals only)	Each	\$450.00
A204149	11 GHz EX-i Series GigE Circulator	Each	\$165.00
AEA1X6015	WR90 11 GHz waveguide flange adapter with SMA-F connector	Each	\$310.00



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Extended Support		EX-11i-OC3-GigE 29dBm	
S001T02	1-year warranty extension, single GigE terminal	Each	\$1,020.00
S002T02	3-year warranty extension, single GigE terminal	Each	\$1,950.00
S003T02	1-year advanced replacement & emergency support, single GigE terminal	Each	\$1,500.00
S004T02	2-year advanced replacement & emergency support, single GigE terminal	Each	\$2,400.00
S005T02	3-year advanced replacement & emergency support, single GigE terminal	Each	\$2,850.00
S006T02	5-year advanced replacement & emergency support, single GigE terminal	Each	\$3,300.00
S007T02	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single GigE terminal	Each	\$4,800.00

EX-6i-4DS3-GigE 6L 30dBm

Base Capacity: 165 Mbps full-duplex + 0xT1/E1 + 1xDS3

Max Capacity: 187 Mbps full-duplex + 4xT1/E1 + 4xDS3

30dBm 6 GHz Microwave Backhaul Radio

All-indoor, carrier-class, 30dBm 6 GHz lower band (5.925-6.425GHz) microwave radio. Features include native TDM and native Ethernet, software upgradeable capacity, SNMP v3 for secure management and optional 128-bit and 256-bit AES encryption.



CPN	Description	UOM	List Price
E605E11	6 GHz IDU terminal, lower band (5.925-6.425GHz), 30dBm upgradeable to 33dBm; 166 Mbps + 0xT1/E1 + 1xDS3 expandable to 187 Mbps +4x T1/E1+ 4xDS3, 1+0: single receiver; does not include diplexer	Terminal	\$16,840.00

Diplexers		EX-6i-4DS3-GigE 6L 30dBm	
A202379	EX-i Series GigE 6 GHz Diplexer Filter H/L 6L B1 (6177-6284 MHz/ 5925-6032 MHz), TR:252.04 MHz, 10 & 30MHz channels; single terminal or space diversity	Each	\$1,000.00
A202380	EX-i Series GigE 6 GHz Diplexer Filter H/L 6L B2 (6249-6356 MHz/ 5997-6104 MHz), TR:252.04 MHz, 10 & 30MHz channels; single terminal or space diversity	Each	\$1,000.00
A202381	EX-i Series GigE 6 GHz Diplexer Filter H/L 6L B3 (6321-6428 MHz/ 6069-6176 MHz), TR:252.04 MHz, 5, 10 & 30MHz channels; single terminal or space diversity	Each	\$1,000.00
A203008	EX-i Series GigE 6 GHz Diplexer Filter; Non-standard TR (custom order: TR spacing or specific channel must be specified with order)	Each	\$1,500.00

Upgrades		EX-6i-4DS3-GigE 6L 30dBm	
K00G6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xT1/E1 to 4xT1/E1	Each	\$400.00
K01A6X05X1	Upgrade Key, single terminal 6 GHz EX-i Series GigE, Space Diversity or Receiver Protection, single terminal (1.5+0 semi-protected terminals only)	Each	\$1,300.00
K01B6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, from 30dBm to 33 dBm output power	Each	\$1,300.00
K01PXX0EX1	Upgrade Key 1xDS3 to 2xDS3, single terminal EX-i Series GigE	Each	\$1,400.00
K01QXX0EX1	Upgrade Key 1xDS3 to 3xDS3, single terminal EX-i Series GigE	Each	\$2,800.00
K01RXX0EX1	Upgrade Key 1xDS3 to 4xDS3, single terminal for EX-i Series GigE	Each	\$4,200.00
K01SXX0EX1	Upgrade Key 2xDS3 to 3xDS3, single terminal EX-i Series GigE	Each	\$1,400.00
K01T6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, from 166 Mbps to 187 Mbps Ethernet	Each	\$250.00
K01TXX0EX1	Upgrade Key 2xDS3 to 4xDS3, single terminal EX-i Series GigE	Each	\$2,800.00
K01UXX0EX1	Upgrade Key 3xDS3 to 4xDS3 single terminal EX-i Series GigE	Each	\$1,400.00

Accessories		EX-6i-4DS3-GigE 6L 30dBm	
A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each	\$50.00
A202378	EX-i Series GigE 6 GHz Monitored Hot Standby (MHS) Kit. Single endpoint, Includes RF switch panel, panel cabling, and 1/6 RF combiner. Does not include second IDU, T1/E1 protection cables, diplexers, or DS3 protection panel	Each	\$1,245.00
A202729	SPARE accessory kit EX-i Series GigE, single terminal. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00
A202981	CPR-137 waveguide to N (F) adapter (single) for use with EX-i Series and EX-i Series GigE radios	Each	\$275.00
A203043	6 GHz EX-i Series GigE 1.5+0 receiver protection kit (1.5+0 semi-protected terminals only)	Each	\$450.00
A203044	6 GHz EX-i Series GigE Isolator	Each	\$165.00
A203045	6 GHz EX-i Series GigE Circulator	Each	\$165.00
AE000X1X4	Monitored Hot Standby (MHS) DS3 protection cable. Single endpoint. Includes 1xDS3 protection cable.	Each	\$130.00



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Extended Support		EX-6i-4DS3-GigE 6L 30dBm	
S001T02	1-year warranty extension, single GigE terminal	Each	\$1,020.00
S002T02	3-year warranty extension, single GigE terminal	Each	\$1,950.00
S003T02	1-year advanced replacement & emergency support, single GigE terminal	Each	\$1,500.00
S004T02	2-year advanced replacement & emergency support, single GigE terminal	Each	\$2,400.00
S005T02	3-year advanced replacement & emergency support, single GigE terminal	Each	\$2,850.00
S006T02	5-year advanced replacement & emergency support, single GigE terminal	Each	\$3,300.00
S007T02	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single GigE terminal	Each	\$4,800.00

EX-6i-DS3-GigE 6L 27dBm

Base Capacity: 20 Mbps full-duplex + 0xT1/E1 + 0xDS3

Max Capacity: 187 Mbps full-duplex + 16xT1/E1 + 1xDS3

27dBm 6 GHz Microwave Backhaul Radio

All-indoor, carrier-class, 27dBm 6 GHz lower band (5.925-6.425GHz) microwave radio. Features include native TDM and native Ethernet, software upgradeable capacity, SNMP v3 for secure management and optional 128-bit and 256-bit AES encryption.



CPN	Description	UOM	List Price
E606501	6 GHz IDU terminal, lower band (5.925-6.425GHz), 27dBm; 20 Mbps + 0xT1/E1 + 0xDS3 expandable to 187 Mbps +16x T1/E1+ 1xDS3, 1+0: single receiver; does not include diplexer	Terminal	\$11,955.00

Diplexers		EX-6i-DS3-GigE 6L 27dBm	
A202379	EX-i Series GigE 6 GHz Diplexer Filter H/L 6L B1 (6177-6284 MHz/ 5925-6032 MHz), TR:252.04 MHz, 10 & 30MHz channels; single terminal or space diversity	Each	\$1,000.00
A202380	EX-i Series GigE 6 GHz Diplexer Filter H/L 6L B2 (6249-6356 MHz/ 5997-6104 MHz), TR:252.04 MHz, 10 & 30MHz channels; single terminal or space diversity	Each	\$1,000.00
A202381	EX-i Series GigE 6 GHz Diplexer Filter H/L 6L B3 (6321-6428 MHz/ 6069-6176 MHz), TR:252.04 MHz, 5, 10 & 30MHz channels; single terminal or space diversity	Each	\$1,000.00
A203008	EX-i Series GigE 6 GHz Diplexer Filter; Non-standard TR (custom order: TR spacing or specific channel must be specified with order)	Each	\$1,500.00

Upgrades		EX-6i-DS3-GigE 6L 27dBm	
K0026X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 4xT1/E1 to 8xT1/E1	Each	\$400.00
K0036X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 4xT1/E1 to 12xT1/E1	Each	\$800.00
K0046X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 4xT1/E1 to 16xT1/E1	Each	\$1,200.00
K0056X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 8xT1/E1 to 12xT1/E1	Each	\$400.00
K0066X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 8xT1/E1 to 16xT1/E1	Each	\$800.00
K0076X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 12xT1/E1 to 16xT1/E1	Each	\$400.00
K00C6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xDS3 to 1xDS3	Each	\$1,800.00
K00G6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xT1/E1 to 4xT1/E1	Each	\$400.00
K00P6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xT1/E1 to 8xT1/E1	Each	\$800.00
K00Q6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xT1/E1 to 12xT1/E1	Each	\$800.00
K00R6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xT1/E1 to 16xT1/E1	Each	\$1,600.00
K0116X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, from 20 Mbps to 62 Mbps Ethernet	Each	\$300.00
K0126005X1	Upgrade Key, single terminal EX-6i-DS3-GigE, Lower 6 GHz only, from 20 Mbps to 166 Mbps Ethernet	Each	\$1,700.00
K0136005X1	Upgrade Key, single terminal EX-6i-DS3-GigE, Lower 6 GHz only, from 62 Mbps to 166 Mbps Ethernet	Each	\$1,400.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
K01R6X05X1	Upgrade Key, single terminal 6 GHz EX-i Series GigE from 20 Mbps to 187 Mbps Ethernet	Each	\$1,950.00
K01S6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, from 62 Mbps to 187 Mbps Ethernet	Each	\$1,650.00
K01T6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, from 166 Mbps to 187 Mbps Ethernet	Each	\$250.00



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Accessories		EX-6i-DS3-GigE 6L 27dBm
A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each \$50.00
A202378	EX-i Series GigE 6 GHz Monitored Hot Standby (MHS) Kit. Single endpoint, Includes RF switch panel, panel cabling, and 1/6 RF combiner. Does not include second IDU, T1/E1 protection cables, diplexers, or DS3 protection panel	Each \$1,245.00
A202729	SPARE accessory kit EX-i Series GigE, single terminal. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each \$79.00
A202981	CPR-137 waveguide to N (F) adapter (single) for use with EX-i Series and EX-i Series GigE radios	Each \$275.00
A203006	6 GHz EX-i Series GigE DS3 Monitored Hot Standby (MHS) Kit. Single endpoint, Includes RF switch panel, panel cabling, 1/6 RF combiner and DS3 panel. Does not include second IDU, T1/E1 protection cables or diplexers	Each \$1,385.00
A203043	6 GHz EX-i Series GigE 1.5+0 receiver protection kit (1.5+0 semi-protected terminals only)	Each \$450.00
A203044	6 GHz EX-i Series GigE Isolator	Each \$165.00
A203045	6 GHz EX-i Series GigE Circulator	Each \$165.00
Extended Support		EX-6i-DS3-GigE 6L 27dBm
S001T02	1-year warranty extension, single GigE terminal	Each \$1,020.00
S002T02	3-year warranty extension, single GigE terminal	Each \$1,950.00
S003T02	1-year advanced replacement & emergency support, single GigE terminal	Each \$1,500.00
S004T02	2-year advanced replacement & emergency support, single GigE terminal	Each \$2,400.00
S005T02	3-year advanced replacement & emergency support, single GigE terminal	Each \$2,850.00
S006T02	5-year advanced replacement & emergency support, single GigE terminal	Each \$3,300.00
S007T02	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single GigE terminal	Each \$4,800.00

EX-6i-DS3-GigE 6L 30dBm

Base Capacity: 20 Mbps full-duplex + 0xT1/E1 + 0xDS3

Max Capacity: 187 Mbps full-duplex + 16xT1/E1 + 1xDS3

30dBm 6 GHz Microwave Backhaul Radio



All-indoor, carrier-class, 30dBm 6 GHz lower band (5.925-6.425GHz) microwave radio. Features include native TDM and native Ethernet, software upgradeable capacity, SNMP v3 for secure management and optional 128-bit and 256-bit AES encryption.

CPN	Description	UOM	List Price
E600511	6 GHz IDU terminal, lower band (5.925-6.425GHz), 30dBm upgradeable to 33dBm; 20 Mbps + 0xT1/E1 + 0xDS3 expandable to 166 Mbps +16x T1/E1+ 1xDS3, 1.5+0: dual receiver with TxFS fail-safe switching; diplexer not included	Terminal	\$14,990.00
E606511	6 GHz IDU terminal, lower band (5.925-6.425GHz), 30dBm upgradeable to 33dBm; 20 Mbps + 0xT1/E1 + 0xDS3 expandable to 187Mbps +16x T1/E1+ 1xDS3, 1+0: single receiver; does not include diplexer	Terminal	\$13,255.00

Diplexers		EX-6i-DS3-GigE 6L 30dBm	
A202379	EX-i Series GigE 6 GHz Diplexer Filter H/L 6L B1 (6177-6284 MHz/ 5925-6032 MHz), TR:252.04 MHz, 10 & 30MHz channels; single terminal or space diversity	Each	\$1,000.00
A202380	EX-i Series GigE 6 GHz Diplexer Filter H/L 6L B2 (6249-6356 MHz/ 5997-6104 MHz), TR:252.04 MHz, 10 & 30MHz channels; single terminal or space diversity	Each	\$1,000.00
A202381	EX-i Series GigE 6 GHz Diplexer Filter H/L 6L B3 (6321-6428 MHz/ 6069-6176 MHz), TR:252.04 MHz, 5, 10 & 30MHz channels; single terminal or space diversity	Each	\$1,000.00
A203008	EX-i Series GigE 6 GHz Diplexer Filter; Non-standard TR (custom order: TR spacing or specific channel must be specified with order)	Each	\$1,500.00

Upgrades		EX-6i-DS3-GigE 6L 30dBm	
K0026X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 4xT1/E1 to 8xT1/E1	Each	\$400.00
K0036X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 4xT1/E1 to 12xT1/E1	Each	\$800.00
K0046X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 4xT1/E1 to 16xT1/E1	Each	\$1,200.00
K0056X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 8xT1/E1 to 12xT1/E1	Each	\$400.00
K0066X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 8xT1/E1 to 16xT1/E1	Each	\$800.00
K0076X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 12xT1/E1 to 16xT1/E1	Each	\$400.00
K00C6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xDS3 to 1xDS3	Each	\$1,800.00
K00G6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xT1/E1 to 4xT1/E1	Each	\$400.00
K00P6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xT1/E1 to 8xT1/E1	Each	\$800.00
K00Q6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xT1/E1 to 12xT1/E1	Each	\$800.00
K00R6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xT1/E1 to 16xT1/E1	Each	\$1,600.00
K0116X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, from 20 Mbps to 62 Mbps Ethernet	Each	\$300.00
K0126005X1	Upgrade Key, single terminal EX-6i-DS3-GigE, Lower 6 GHz only, from 20 Mbps to 166 Mbps Ethernet	Each	\$1,700.00
K0136005X1	Upgrade Key, single terminal EX-6i-DS3-GigE, Lower 6 GHz only, from 62 Mbps to 166 Mbps Ethernet	Each	\$1,400.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
K01A6X05X1	Upgrade Key, single terminal 6 GHz EX-i Series GigE, Space Diversity or Receiver Protection, single terminal (1.5+0 semi-protected terminals only)	Each	\$1,300.00
K01B6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, from 30dBm to 33 dBm output power	Each	\$1,300.00
K01R6X05X1	Upgrade Key, single terminal 6 GHz EX-i Series GigE from 20 Mbps to 187 Mbps Ethernet	Each	\$1,950.00
K01S6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, from 62 Mbps to 187 Mbps Ethernet	Each	\$1,650.00
K01T6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, from 166 Mbps to 187 Mbps Ethernet	Each	\$250.00



January 2010 Price List

Exalt Products

Accessories		EX-6i-DS3-GigE 6L 30dBm
A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each \$50.00
A202378	EX-i Series GigE 6 GHz Monitored Hot Standby (MHS) Kit. Single endpoint, Includes RF switch panel, panel cabling, and 1/6 RF combiner. Does not include second IDU, T1/E1 protection cables, diplexers, or DS3 protection panel	Each \$1,245.00
A202729	SPARE accessory kit EX-i Series GigE, single terminal. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each \$79.00
A202981	CPR-137 waveguide to N (F) adapter (single) for use with EX-i Series and EX-i Series GigE radios	Each \$275.00
A203006	6 GHz EX-i Series GigE DS3 Monitored Hot Standby (MHS) Kit. Single endpoint, Includes RF switch panel, panel cabling, 1/6 RF combiner and DS3 panel. Does not include second IDU, T1/E1 protection cables or diplexers	Each \$1,385.00
A203043	6 GHz EX-i Series GigE 1.5+0 receiver protection kit (1.5+0 semi-protected terminals only)	Each \$450.00
A203044	6 GHz EX-i Series GigE Isolator	Each \$165.00
A203045	6 GHz EX-i Series GigE Circulator	Each \$165.00
Extended Support		EX-6i-DS3-GigE 6L 30dBm
S001T02	1-year warranty extension, single GigE terminal	Each \$1,020.00
S002T02	3-year warranty extension, single GigE terminal	Each \$1,950.00
S003T02	1-year advanced replacement & emergency support, single GigE terminal	Each \$1,500.00
S004T02	2-year advanced replacement & emergency support, single GigE terminal	Each \$2,400.00
S005T02	3-year advanced replacement & emergency support, single GigE terminal	Each \$2,850.00
S006T02	5-year advanced replacement & emergency support, single GigE terminal	Each \$3,300.00
S007T02	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single GigE terminal	Each \$4,800.00

EX-6i-DS3-GigE 6U 27dBm

Base Capacity: 20 Mbps full-duplex + 0xT1/E1 + 0xDS3

Max Capacity: 55 Mbps full-duplex + 16xT1/E1 + 1xDS3

27dBm 6 GHz Microwave Backhaul Radio

All-indoor, carrier-class, 27dBm 6 GHz upper band (6.425-7.120GHz) microwave radio. Features include native TDM and native Ethernet, software upgradeable capacity, SNMP v3 for secure management and optional 128-bit and 256-bit AES encryption.



CPN	Description	UOM	List Price
E656501	6 GHz IDU terminal, upper band (6.425-7.120GHz), 27dBm; 20 Mbps + 0xT1/E1 + 0xDS3 expandable to 54 Mbps +16x T1/E1+ 1xDS3, 1+0: single receiver; diplexer not included	Terminal	\$11,955.00

Diplexers		EX-6i-DS3-GigE 6U 27dBm	
A202430	EX-i Series GigE 6 GHz Diplexer Filter H/L 6U B1 (6700-6770 MHz/ 6535-6605 MHz), TR:160/170/180 MHz; 5 & 10 MHz channels; single terminal or space diversity	Each	\$1,000.00
A202431	EX-i Series GigE 6 GHz Diplexer Filter H/L 6U B2 (6750-6820 MHz/ 6590-6660 MHz), TR:160/170/180 MHz; 5 & 10 MHz channels; single terminal or space diversity	Each	\$1,000.00
A202432	EX-i Series GigE 6 GHz Diplexer Filter H/L 6U B3 (6805-6875 MHz/ 6645-6715 MHz), TR:160/170/180 MHz; 5 & 10 MHz channels; single terminal or space diversity	Each	\$1,000.00
A20292201	EX-i Series GigE 6 GHz Diplexer Filter H/L 6U B4 (6695-6715 MHz/ 6795-6815 MHz), TR:100 MHz; 5 & 10 MHz channels; single terminal or space diversity	Each	\$1,500.00
A20292202	EX-i Series GigE 6 GHz Diplexer Filter H/L 6U B5 (6655-6675 MHz/ 6755-6775 MHz), TR:100 MHz; 5 & 10 MHz channels; single terminal or space diversity	Each	\$1,500.00
A20292203	EX-i Series GigE 6 GHz Diplexer Filter H/L 6U B6 (6615-6635 MHz/6715-6735 MHz), TR:100 MHz; 5 & 10 MHz channels; single terminal or space diversity	Each	\$1,500.00
A20292204	EX-i Series GigE 6 GHz Diplexer Filter H/L 6U B7 (6715-6735 MHz/6795-6815 MHz), TR:80 MHz; 5 & 10 MHz channels; single terminal or space diversity	Each	\$1,500.00
A20292205	EX-i Series GigE 6 GHz Diplexer Filter H/L 6U B8 (6615-6635 MHz/6695-6715 MHz), TR:80 MHz; 5 & 10 MHz channels; single terminal or space diversity	Each	\$1,500.00
A20292206	EX-i Series GigE 6 GHz Diplexer Filter H/L 6U B9 (6695-6715 MHz/6815-6835 MHz), TR:120 MHz; 5 & 10 MHz channels; single terminal or space diversity	Each	\$1,500.00
A203008	EX-i Series GigE 6 GHz Diplexer Filter; Non-standard TR (custom order: TR spacing or specific channel must be specified with order)	Each	\$1,500.00



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Exalt Products

Upgrades		EX-6i-DS3-GigE 6U 27dBm
K0026X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 4xT1/E1 to 8xT1/E1	Each \$400.00
K0036X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 4xT1/E1 to 12xT1/E1	Each \$800.00
K0046X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 4xT1/E1 to 16xT1/E1	Each \$1,200.00
K0056X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 8xT1/E1 to 12xT1/E1	Each \$400.00
K0066X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 8xT1/E1 to 16xT1/E1	Each \$800.00
K0076X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 12xT1/E1 to 16xT1/E1	Each \$400.00
K00C6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xDS3 to 1xDS3	Each \$1,800.00
K00G6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xT1/E1 to 4xT1/E1	Each \$400.00
K00P6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xT1/E1 to 8xT1/E1	Each \$800.00
K00Q6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xT1/E1 to 12xT1/E1	Each \$800.00
K00R6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xT1/E1 to 16xT1/E1	Each \$1,600.00
K0116X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, from 20 Mbps to 62 Mbps Ethernet	Each \$300.00
K0126005X1	Upgrade Key, single terminal EX-6i-DS3-GigE, Lower 6 GHz only, from 20 Mbps to 166 Mbps Ethernet	Each \$1,700.00
K0136005X1	Upgrade Key, single terminal EX-6i-DS3-GigE, Lower 6 GHz only, from 62 Mbps to 166 Mbps Ethernet	Each \$1,400.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each \$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each \$1,500.00
K01R6X05X1	Upgrade Key, single terminal 6 GHz EX-i Series GigE from 20 Mbps to 187 Mbps Ethernet	Each \$1,950.00
Accessories		EX-6i-DS3-GigE 6U 27dBm
A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each \$50.00
A202378	EX-i Series GigE 6 GHz Monitored Hot Standby (MHS) Kit. Single endpoint, Includes RF switch panel, panel cabling, and 1/6 RF combiner. Does not include second IDU, T1/E1 protection cables, diplexers, or DS3 protection panel	Each \$1,245.00
A202729	SPARE accessory kit EX-i Series GigE, single terminal. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each \$79.00
A202981	CPR-137 waveguide to N (F) adapter (single) for use with EX-i Series and EX-i Series GigE radios	Each \$275.00
A203006	6 GHz EX-i Series GigE DS3 Monitored Hot Standby (MHS) Kit. Single endpoint, Includes RF switch panel, panel cabling, 1/6 RF combiner and DS3 panel. Does not include second IDU, T1/E1 protection cables or diplexers	Each \$1,385.00
A203043	6 GHz EX-i Series GigE 1.5+0 receiver protection kit (1.5+0 semi-protected terminals only)	Each \$450.00
A203044	6 GHz EX-i Series GigE Isolator	Each \$165.00
A203045	6 GHz EX-i Series GigE Circulator	Each \$165.00
Extended Support		EX-6i-DS3-GigE 6U 27dBm
S001T02	1-year warranty extension, single GigE terminal	Each \$1,020.00
S002T02	3-year warranty extension, single GigE terminal	Each \$1,950.00
S003T02	1-year advanced replacement & emergency support, single GigE terminal	Each \$1,500.00
S004T02	2-year advanced replacement & emergency support, single GigE terminal	Each \$2,400.00
S005T02	3-year advanced replacement & emergency support, single GigE terminal	Each \$2,850.00
S006T02	5-year advanced replacement & emergency support, single GigE terminal	Each \$3,300.00
S007T02	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single GigE terminal	Each \$4,800.00

EX-6i-DS3-GigE 6U 30dBm

Base Capacity: 20 Mbps full-duplex + 0xT1/E1 + 0xDS3

Max Capacity: 55 Mbps full-duplex + 16xT1/E1 + 1xDS3

30dBm 6 GHz Microwave Backhaul Radio

All-indoor, carrier-class, 30dBm 6 GHz upper band (6.425-7.120GHz) microwave radio. Features include native TDM and native Ethernet, software upgradeable capacity, SNMP v3 for secure management and optional 128-bit and 256-bit AES encryption.



CPN	Description	UOM	List Price
E650511	6 GHz IDU terminal, upper band (6.425-7.120GHz), 30dBm upgradeable to 33dBm; 20 Mbps + 0xT1/E1 + 0xDS3 expandable to 62 Mbps +16x T1/E1+ 1xDS3, 1.5+0; dual receiver with TxFS fail-safe switching; diplexer not included	Terminal	\$14,990.00
E656511	6 GHz IDU terminal, upper band (6.425-7.120GHz), 30dBm upgradeable to 33dBm; 20 Mbps + 0xT1/E1 + 0xDS3 expandable to 62 Mbps +16x T1/E1+ 1xDS3, 1+0; single receiver; diplexer not included	Terminal	\$13,255.00

Diplexers	EX-6i-DS3-GigE 6U 30dBm	UOM	List Price
A202430	EX-i Series GigE 6 GHz Diplexer Filter H/L 6U B1 (6700-6770 MHz/ 6535-6605 MHz), TR:160/170/180 MHz; 5 & 10 MHz channels; single terminal or space diversity	Each	\$1,000.00
A202431	EX-i Series GigE 6 GHz Diplexer Filter H/L 6U B2 (6750-6820 MHz/ 6590-6660 MHz), TR:160/170/180 MHz; 5 & 10 MHz channels; single terminal or space diversity	Each	\$1,000.00
A202432	EX-i Series GigE 6 GHz Diplexer Filter H/L 6U B3 (6805-6875 MHz/ 6645-6715 MHz), TR:160/170/180 MHz; 5 & 10 MHz channels; single terminal or space diversity	Each	\$1,000.00
A20292201	EX-i Series GigE 6 GHz Diplexer Filter H/L 6U B4 (6695-6715 MHz/ 6795-6815 MHz), TR:100 MHz; 5 & 10 MHz channels; single terminal or space diversity	Each	\$1,500.00
A20292202	EX-i Series GigE 6 GHz Diplexer Filter H/L 6U B5 (6655-6675 MHz/ 6755-6775 MHz), TR:100 MHz; 5 & 10 MHz channels; single terminal or space diversity	Each	\$1,500.00
A20292203	EX-i Series GigE 6 GHz Diplexer Filter H/L 6U B6 (6615-6635 MHz/6715-6735 MHz), TR:100 MHz; 5 & 10 MHz channels; single terminal or space diversity	Each	\$1,500.00
A20292204	EX-i Series GigE 6 GHz Diplexer Filter H/L 6U B7 (6715-6735 MHz/6795-6815 MHz), TR:80 MHz; 5 & 10 MHz channels; single terminal or space diversity	Each	\$1,500.00
A20292205	EX-i Series GigE 6 GHz Diplexer Filter H/L 6U B8 (6615-6635 MHz/6695-6715 MHz), TR:80 MHz; 5 & 10 MHz channels; single terminal or space diversity	Each	\$1,500.00
A20292206	EX-i Series GigE 6 GHz Diplexer Filter H/L 6U B9 (6695-6715 MHz/6815-6835 MHz), TR:120 MHz; 5 & 10 MHz channels; single terminal or space diversity	Each	\$1,500.00
A203008	EX-i Series GigE 6 GHz Diplexer Filter; Non-standard TR (custom order: TR spacing or specific channel must be specified with order)	Each	\$1,500.00



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Exalt Products

Upgrades		EX-6i-DS3-GigE 6U 30dBm	
K0026X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 4xT1/E1 to 8xT1/E1	Each	\$400.00
K0036X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 4xT1/E1 to 12xT1/E1	Each	\$800.00
K0046X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 4xT1/E1 to 16xT1/E1	Each	\$1,200.00
K0056X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 8xT1/E1 to 12xT1/E1	Each	\$400.00
K0066X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 8xT1/E1 to 16xT1/E1	Each	\$800.00
K0076X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 12xT1/E1 to 16xT1/E1	Each	\$400.00
K00C6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xDS3 to 1xDS3	Each	\$1,800.00
K00G6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xT1/E1 to 4xT1/E1	Each	\$400.00
K00P6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xT1/E1 to 8xT1/E1	Each	\$800.00
K00Q6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xT1/E1 to 12xT1/E1	Each	\$800.00
K00R6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xT1/E1 to 16xT1/E1	Each	\$1,600.00
K0116X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, from 20 Mbps to 62 Mbps Ethernet	Each	\$300.00
K0126005X1	Upgrade Key, single terminal EX-6i-DS3-GigE, Lower 6 GHz only, from 20 Mbps to 166 Mbps Ethernet	Each	\$1,700.00
K0136005X1	Upgrade Key, single terminal EX-6i-DS3-GigE, Lower 6 GHz only, from 62 Mbps to 166 Mbps Ethernet	Each	\$1,400.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
K01A6X05X1	Upgrade Key, single terminal 6 GHz EX-i Series GigE, Space Diversity or Receiver Protection, single terminal (1.5+0 semi-protected terminals only)	Each	\$1,300.00
K01B6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, from 30dBm to 33 dBm output power	Each	\$1,300.00
K01R6X05X1	Upgrade Key, single terminal 6 GHz EX-i Series GigE from 20 Mbps to 187 Mbps Ethernet	Each	\$1,950.00
Accessories		EX-6i-DS3-GigE 6U 30dBm	
A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each	\$50.00
A202378	EX-i Series GigE 6 GHz Monitored Hot Standby (MHS) Kit. Single endpoint, Includes RF switch panel, panel cabling, and 1/6 RF combiner. Does not include second IDU, T1/E1 protection cables, diplexers, or DS3 protection panel	Each	\$1,245.00
A202729	SPARE accessory kit EX-i Series GigE, single terminal. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00
A202981	CPR-137 waveguide to N (F) adapter (single) for use with EX-i Series and EX-i Series GigE radios	Each	\$275.00
A203006	6 GHz EX-i Series GigE DS3 Monitored Hot Standby (MHS) Kit. Single endpoint, Includes RF switch panel, panel cabling, 1/6 RF combiner and DS3 panel. Does not include second IDU, T1/E1 protection cables or diplexers	Each	\$1,385.00
A203043	6 GHz EX-i Series GigE 1.5+0 receiver protection kit (1.5+0 semi-protected terminals only)	Each	\$450.00
A203044	6 GHz EX-i Series GigE Isolator	Each	\$165.00
A203045	6 GHz EX-i Series GigE Circulator	Each	\$165.00
Extended Support		EX-6i-DS3-GigE 6U 30dBm	
S001T02	1-year warranty extension, single GigE terminal	Each	\$1,020.00
S002T02	3-year warranty extension, single GigE terminal	Each	\$1,950.00
S003T02	1-year advanced replacement & emergency support, single GigE terminal	Each	\$1,500.00
S004T02	2-year advanced replacement & emergency support, single GigE terminal	Each	\$2,400.00
S005T02	3-year advanced replacement & emergency support, single GigE terminal	Each	\$2,850.00
S006T02	5-year advanced replacement & emergency support, single GigE terminal	Each	\$3,300.00
S007T02	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single GigE terminal	Each	\$4,800.00

EX-6i-OC3-GigE 6L 30dBm

Base Capacity: 165 Mbps full-duplex + 0xT1/E1 + 1xOC3

Max Capacity: 187 Mbps full-duplex + 4xT1/E1 + 1xOC3

30dBm 6 GHz Microwave Backhaul Radio

All-indoor, carrier-class, 30dBm 6 GHz lower band (5.925-6.425GHz) microwave radio. Features include native TDM and native Ethernet, software upgradeable capacity, SNMP v3 for secure management and optional 128-bit and 256-bit AES encryption.



CPN	Description	UOM	List Price
E605611	6 GHz IDU terminal, lower band (5.925-6.425GHz), 30dBm upgradeable to 33dBm; 166 Mbps + 0xT1/E1 + 1xOC3 expandable to 187 Mbps +4x T1/E1+ 1xOC3, 1+0, diplexer not included	Terminal	\$20,980.00
E606611	6 GHz IDU terminal, lower band (5.925-6.425GHz), 30dBm upgradeable to 33dBm; 166 Mbps + 0xT1/E1 + 1xOC3 expandable to 187 Mbps +4x T1/E1+ 1xOC3, 1.5+0: dual receiver with TxFS fail-safe switching; diplexer not included	Terminal	\$23,520.00

Diplexers		EX-6i-OC3-GigE 6L 30dBm	
A202379	EX-i Series GigE 6 GHz Diplexer Filter H/L 6L B1 (6177-6284 MHz/ 5925-6032 MHz), TR:252.04 MHz, 10 & 30MHz channels; single terminal or space diversity	Each	\$1,000.00
A202380	EX-i Series GigE 6 GHz Diplexer Filter H/L 6L B2 (6249-6356 MHz/ 5997-6104 MHz), TR:252.04 MHz, 10 & 30MHz channels; single terminal or space diversity	Each	\$1,000.00
A202381	EX-i Series GigE 6 GHz Diplexer Filter H/L 6L B3 (6321-6428 MHz/ 6069-6176 MHz), TR:252.04 MHz, 5, 10 & 30MHz channels; single terminal or space diversity	Each	\$1,000.00
A203008	EX-i Series GigE 6 GHz Diplexer Filter; Non-standard TR (custom order: TR spacing or specific channel must be specified with order)	Each	\$1,500.00

Upgrades		EX-6i-OC3-GigE 6L 30dBm	
K00C6066X1	Upgrade Key, single terminal EX-6i-OC3-GigE, 0xOC3 to 1xOC3	Each	\$1,500.00
K00G6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, 0xT1/E1 to 4xT1/E1	Each	\$400.00
K01A6X05X1	Upgrade Key, single terminal 6 GHz EX-i Series GigE, Space Diversity or Receiver Protection, single terminal (1.5+0 semi-protected terminals only)	Each	\$1,300.00
K01B6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, from 30dBm to 33 dBm output power	Each	\$1,300.00
K01S6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, from 62 Mbps to 187 Mbps Ethernet	Each	\$1,650.00
K01T6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, from 166 Mbps to 187 Mbps Ethernet	Each	\$250.00
K01T6X05X1	Upgrade Key, single terminal EX-6i-DS3-GigE, from 166 Mbps to 187 Mbps Ethernet	Each	\$250.00

Accessories		EX-6i-OC3-GigE 6L 30dBm	
A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each	\$50.00
A202378	EX-i Series GigE 6 GHz Monitored Hot Standby (MHS) Kit. Single endpoint, Includes RF switch panel, panel cabling, and 1/6 RF combiner. Does not include second IDU, T1/E1 protection cables, diplexers, or DS3 protection panel	Each	\$1,245.00
A202729	SPARE accessory kit EX-i Series GigE, single terminal. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00
A202981	CPR-137 waveguide to N (F) adapter (single) for use with EX-i Series and EX-i Series GigE radios	Each	\$275.00
A203043	6 GHz EX-i Series GigE 1.5+0 receiver protection kit (1.5+0 semi-protected terminals only)	Each	\$450.00
A203044	6 GHz EX-i Series GigE Isolator	Each	\$165.00
A203045	6 GHz EX-i Series GigE Circulator	Each	\$165.00

Extended Support		EX-6i-OC3-GigE 6L 30dBm	
S001T02	1-year warranty extension, single GigE terminal	Each	\$1,020.00
S002T02	3-year warranty extension, single GigE terminal	Each	\$1,950.00
S003T02	1-year advanced replacement & emergency support, single GigE terminal	Each	\$1,500.00
S004T02	2-year advanced replacement & emergency support, single GigE terminal	Each	\$2,400.00
S005T02	3-year advanced replacement & emergency support, single GigE terminal	Each	\$2,850.00
S006T02	5-year advanced replacement & emergency support, single GigE terminal	Each	\$3,300.00
S007T02	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single GigE terminal	Each	\$4,800.00

EX-r Series

EX-4.9r

DISCONTINUED

Replaced by EX-4.9r v2



Upgrades, accessories and extended support are available for the EX-4.9r

CPN	Description	UOM	List Price
<i>E491231</i>	<i>DISCONTINUED: Replaced by EX-4.9r v2 E49A231</i>		
<i>E491232</i>	<i>DISCONTINUED: Replaced by EX-4.9r v2 E49A232</i>		

Upgrades			EX-4.9r
K00B491231	Upgrade Key, EX-4.9r single terminal, 27 Mbps +2xT1/E1 to 55 Mbps + 4xT1/E1	Each	\$650.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories			EX-4.9r
A100108	GPS kit for single EX-r Version 1 terminal, includes GPS receiver and mounting bracket.	Each	\$500.00
A100109	GPS 5-pack for EX-r Version 1 terminals	Each	\$2,000.00
A100115	GPS 10-pack for EX-r Version 1 terminals	Each	\$4,000.00
A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A93000108	SPARE mounting kit for EX-r Series and ExtendAir radios with integrated antenna, single terminal	Each	\$139.00
A93000127	SPARE 10/100BaseT Power Injector for EX-r Series terminals	Each	\$90.00
A93000136	50 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$69.00
A93000137	150 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$129.00
A93000138	SPARE accessory kit for EX-r Version 1 ODUs. Includes grounding hardware, spare connectors, weather-proofing tape, RSL voltage cable lifting eye hardware.	Each	\$79.00
A93000139	275 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$325.00
A93000140	10 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$39.00

Extended Support		EX-4.9r	
S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-4.9r v2

Base Capacity: 27 Mbps + 2xT1/E1

Max Capacity: 55 Mbps + 4xT1/E1

4.9 GHz Point-to-Point Microwave Radio

All-outdoor, carrier-class 4.9 GHz TDD microwave radio for government and public safety organizations. Features include native TDM and native Ethernet, guaranteed link availability and user throughput, throughput symmetry control and ExaltSync™ high density collocation.



CPN	Description	UOM	List Price
E49A231	4.9 GHz ODU version 2 terminal, 27 Mbps + 2xT1/E1 expandable to 55 Mbps + 4xT1/E1; integrated antenna; includes AC adapter, PoE injector, accessory kit and mounting kit	Terminal	\$6,425.00
E49A232	OBSOLETE CPN 4.9 GHz ODU version 2 complete hop, 27 Mbps + 2xT1/E1 expandable to 55 Mbps + 4xT1/E1; integrated antenna; includes AC adapters, PoE injectors, accessory kits and mounting kits	Hop	\$12,850.00

Upgrades EX-4.9r v2

K00B49A231	Upgrade Key, EX-4.9r version 2, single terminal, from 27Mbps +2xT1/E1 to 55Mbps +4xT1/E1	Each	\$1,000.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories EX-4.9r v2

A200492	SPARE accessory kit (EX-r Series v2/3 and GigE). Includes grounding hardware, weather-proofing tape, RSL voltage cable and lifting eye hardware.	Each	\$100.00
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A93000108	SPARE mounting kit for EX-r Series and ExtendAir radios with integrated antenna, single terminal	Each	\$139.00
A93000127	SPARE 10/100BaseT Power Injector for EX-r Series terminals	Each	\$90.00
A93000127	SPARE 10/100BaseT Power Injector for EX-r Series terminals	Each	\$90.00

Extended Support EX-4.9r v2

S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-4.9r-c

DISCONTINUED

Replaced by EX-4.9r-c v2



Upgrades, accessories and extended support are available for the EX-4.9r-c

CPN	Description	UOM	List Price
<i>E492231</i>	<i>DISCONTINUED. Replaced by EX-4.9r-c v2 E49C231</i>		
<i>E492232</i>	<i>DISCONTINUED. Replaced by EX-4.9r-c v2 E49C232</i>		
Upgrades			EX-4.9r-c
K00B492231	Upgrade Key, EX-4.9r-c single terminal, 27 Mbps + 2xT1/E1 to 55 Mbps + 4xT1/E1	Each	\$650.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
Accessories			EX-4.9r-c
A100108	GPS kit for single EX-r Version 1 terminal, includes GPS receiver and mounting bracket.	Each	\$500.00
A100109	GPS 5-pack for EX-r Version 1 terminals	Each	\$2,000.00
A100115	GPS 10-pack for EX-r Version 1 terminals	Each	\$4,000.00
A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A93000126	SPARE Mounting kit for Ex-r Series with external antenna connectors, single terminal	Each	\$119.00
A93000127	SPARE 10/100BaseT Power Injector for EX-r Series terminals	Each	\$90.00
A93000136	50 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$69.00
A93000137	150 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$129.00
A93000138	SPARE accessory kit for EX-r Version 1 ODUs. Includes grounding hardware, spare connectors, weather-proofing tape, RSL voltage cable lifting eye hardware.	Each	\$79.00
A93000139	275 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$325.00
A93000140	10 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$39.00
Extended Support			EX-4.9r-c
S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-4.9r-c v2

Base Capacity: 27 Mbps + 2xT1/E1

Max Capacity: 55 Mbps + 4xT1/E1

4.9 GHz Point-to-Point Microwave Radio

All-outdoor, carrier-class 4.9 GHz TDD microwave radio for government and public safety organizations. Features include native TDM and native Ethernet, guaranteed link availability and user throughput, throughput symmetry control and ExaltSync high density collocation.



CPN	Description	UOM	List Price
E49C231	4.9 GHz ODU terminal , 27 Mbps + 2xT1/E1 upgradeable to 55 Mbps + 4xT1/E1; version 2 enclosure, AC adapter, PoE injector, accessory kit, and mounting kit.	Terminal	\$6,110.00
E49C232	OBSOLETE CPN 4.9 GHz ODU complete hop, 27 Mbps + 2xT1/E1 upgradeable to 55 Mbps + 4xT1/E1; version 2 enclosure, AC adapters, PoE injectors, accessory kits, and mounting kits	Hop	\$12,220.00

Upgrades EX-4.9r-c v2

K00B49C231	Upgrade Key, EX-4.9r-c version 2, single terminal, from 27 Mbps + 2xT1/E1 to 55 Mbps + 4xT1/E1	Each	\$1,000.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories EX-4.9r-c v2

A200492	SPARE accessory kit (EX-r Series v2/3 and GigE). Includes grounding hardware, weather-proofing tape, RSL voltage cable and lifting eye hardware.	Each	\$100.00
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A93000126	SPARE Mounting kit for Ex-r Series with external antenna connectors, single terminal	Each	\$119.00

Extended Support EX-4.9r-c v2

S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-r Series

EX-5r

DISCONTINUED

Replaced by EX-5r v3



Upgrades, accessories and extended support are available for the EX-5r

CPN	Description	UOM	List Price
<i>E581001</i>	<i>DISCONTINUED: Replaced by EX-5r v3 E50P001</i>		
<i>E581002</i>	<i>DISCONTINUED: Replaced by EX-5r v3 E50P002</i>		
Upgrades			EX-5r
K001581001	Upgrade Key, EX-5r single terminal, from 100 Mbps to 200 Mbps	Each	\$1,500.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
Accessories			EX-5r
A100108	GPS kit for single EX-r Version 1 terminal, includes GPS receiver and mounting bracket.	Each	\$500.00
A100109	GPS 5-pack for EX-r Version 1 terminals	Each	\$2,000.00
A100115	GPS 10-pack for EX-r Version 1 terminals	Each	\$4,000.00
A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A93000108	SPARE mounting kit for EX-r Series and ExtendAir radios with integrated antenna, single terminal	Each	\$139.00
A93000127	SPARE 10/100BaseT Power Injector for EX-r Series terminals	Each	\$90.00
A93000136	50 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$69.00
A93000137	150 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$129.00
A93000138	SPARE accessory kit for EX-r Version 1 ODUs. Includes grounding hardware, spare connectors, weather-proofing tape, RSL voltage cable lifting eye hardware.	Each	\$79.00
A93000139	275 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$325.00
A93000140	10 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$39.00
Extended Support			EX-5r
S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-5r IP

DISCONTINUED

Replaced by EX-r Lite



Upgrades, accessories and extended support are available for the EX-5r IP

CPN	Description	UOM	List Price
<i>E581741</i>	<i>DISCONTINUED: Replaced by E50P031</i>		
<i>E581742</i>	<i>DISCONTINUED: Replaced by E50P032</i>		

Upgrades			EX-5r IP
K00D581241	Upgrade Key, EX-5r IP single terminal, from 55 Mbps to 100 Mbps	Each	\$2,500.00
K00E581241	Upgrade Key, EX-5r IP single terminal, from 55 Mbps to 200 Mbps	Each	\$4,000.00
K00F581241	Upgrade Key, EX-5r IP single terminal, from 100 Mbps to 200 Mbps	Each	\$1,500.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories			EX-5r IP
A100108	GPS kit for single EX-r Version 1 terminal, includes GPS receiver and mounting bracket.	Each	\$500.00
A100109	GPS 5-pack for EX-r Version 1 terminals	Each	\$2,000.00
A100115	GPS 10-pack for EX-r Version 1 terminals	Each	\$4,000.00
A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A93000108	SPARE mounting kit for EX-r Series and ExtendAir radios with integrated antenna, single terminal	Each	\$139.00
A93000127	SPARE 10/100BaseT Power Injector for EX-r Series terminals	Each	\$90.00
A93000136	50 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$69.00
A93000137	150 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$129.00
A93000138	SPARE accessory kit for EX-r Version 1 ODUs. Includes grounding hardware, spare connectors, weather-proofing tape, RSL voltage cable lifting eye hardware.	Each	\$79.00
A93000139	275 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$325.00
A93000140	10 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$39.00

Extended Support			EX-5r IP
S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-5r Lite

Base Capacity: 27 Mbps + 0xT1/E1

Max Capacity: 100 Mbps + 4xT1/E1

Tri-Band 5 GHz Point-to-Point Microwave Radio

Entry-level, all-outdoor, carrier-class 5 GHz TDD microwave radio for enterprises and service providers. Features include software upgradeable capacity, interference avoidance, throughput symmetry control and low, fixed latency.



CPN	Description	UOM	List Price
E50P031	5 GHz tri-band ODU terminal, 27 Mbps + 0xT1/E1 expandable to 100 Mbps + 4xT1/E1; integrated antenna; includes AC adapter, PoE injector, accessory kit and mounting kit	Terminal	\$3,915.00
E50P032	OBSOLETE CPN 5 GHz tri-band ODU complete hop, 27 Mbps + 0xT1/E1 expandable to 100 Mbps + 4xT1/E1; integrated antenna; includes AC adapters, PoE injectors, accessory kits and mounting kits	Hop	\$7,830.00

Upgrades			EX-5r Lite
K00A50P031	Upgrade Key, EX-5r Lite, single terminal, 55 Mbps to 100 Mbps	Each	\$3,800.00
K00B50P031	Upgrade Key, EX-5r Lite, single terminal, 27 Mbps to 55 Mbps	Each	\$800.00
K01450P031	Upgrade Key, EX-5r Lite, single terminal, 27 Mbps to 100 Mbps	Each	\$4,600.00
K01550P031	Upgrade Key, EX-5r Lite, single terminal, 0xT1/E1 to 2xT1/E1	Each	\$250.00
K01650P031	Upgrade Key, EX-5r Lite, single terminal, 0xT1/E1 to 4xT1/E1	Each	\$500.00
K01750P031	Upgrade Key, EX-5r Lite, single terminal, 2xT1/E1 to 4xT1/E1	Each	\$250.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories			EX-5r Lite
A200492	SPARE accessory kit (EX-r Series v2/3 and GigE). Includes grounding hardware, weather-proofing tape, RSL voltage cable and lifting eye hardware.	Each	\$100.00
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A93000127	SPARE 10/100BaseT Power Injector for EX-r Series terminals	Each	\$90.00

Extended Support			EX-5r Lite
S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-5r v3

Base Capacity: 100 Mbps + 0xT1/E1

Max Capacity: 200 Mbps + 4xT1/E1

Tri-Band 5 GHz Point-to-Point Microwave Radio

All-outdoor, carrier-class 5 GHz TDD microwave radio for enterprises, service providers and government and public safety organizations. Features include native TDM and native Ethernet, guaranteed link availability and user throughput, software upgradeable capacity and low, fixed latency.



CPN	Description	UOM	List Price
E50P001	5 GHz tri-band ODU version 3 terminal, 100 Mbps + 0xT1/E1 expandable to 200 Mbps + 4xT1/E1; integrated antenna; includes AC adapter, PoE injector, accessory kit and mounting kit	Terminal	\$6,395.00
E50P002	OBSOLETE CPN 5 GHz tri-band ODU version 3 complete hop, 100 Mbps + 0xT1/E1 expandable to 200 Mbps + 4xT1/E1; integrated antenna; includes AC adapters, PoE injectors, accessory kits and mounting kits	Hop	\$15,420.00

Upgrades			EX-5r v3
K00150A001	Upgrade Key, EX-5r version 3, single terminal, from 100 Mbps to 200 Mbps	Each	\$1,500.00
K01550A001	Upgrade Key, EX-5r v3, single terminal, 0xT1/E1 to 2xT1/E1	Each	\$250.00
K01650A001	Upgrade Key, EX-5r v3, single terminal, 0xT1/E1 to 4xT1/E1	Each	\$500.00
K01750A001	Upgrade Key, EX-5r v3, single terminal, 2xT1/E1 to 4xT1/E1	Each	\$250.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories			EX-5r v3
A200492	SPARE accessory kit (EX-r Series v2/3 and GigE). Includes grounding hardware, weather-proofing tape, RSL voltage cable and lifting eye hardware.	Each	\$100.00
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A93000108	SPARE mounting kit for EX-r Series and ExtendAir radios with integrated antenna, single terminal	Each	\$139.00
A93000127	SPARE 10/100BaseT Power Injector for EX-r Series terminals	Each	\$90.00

Extended Support			EX-5r v3
S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-5r-c

DISCONTINUED

Replaced by EX-5r-c v2



Upgrades, accessories and extended support are available for the EX-5r-c

CPN	Description	UOM	List Price
<i>E582001</i>	<i>DISCONTINUED. Replaced by EX-5r-c v2 E50C001</i>		
<i>E582002</i>	<i>DISCONTINUED. Replaced by EX-5r-c v2 E50C001</i>		
Upgrades			EX-5r-c
K001582001	Upgrade Key, EX-5r-c single terminal, from 100 Mbps to 200 Mbps	Each	\$1,500.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
Accessories			EX-5r-c
A100108	GPS kit for single EX-r Version 1 terminal, includes GPS receiver and mounting bracket.	Each	\$500.00
A100109	GPS 5-pack for EX-r Version 1 terminals	Each	\$2,000.00
A100115	GPS 10-pack for EX-r Version 1 terminals	Each	\$4,000.00
A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A93000126	SPARE Mounting kit for Ex-r Series with external antenna connectors, single terminal	Each	\$119.00
A93000127	SPARE 10/100BaseT Power Injector for EX-r Series terminals	Each	\$90.00
A93000136	50 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$69.00
A93000137	150 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$129.00
A93000138	SPARE accessory kit for EX-r Version 1 ODUs. Includes grounding hardware, spare connectors, weather-proofing tape, RSL voltage cable lifting eye hardware.	Each	\$79.00
A93000139	275 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$325.00
A93000140	10 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$39.00
Extended Support			EX-5r-c
S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-5r-c IP

DISCONTINUED

Replaced by EX-r-c Lite



Upgrades, accessories and extended support are available for the EX-5r-c IP

CPN	Description	UOM	List Price
<i>E582741</i>	<i>DISCONTINUED. Replaced by EX-5r-c Lite E50Q031</i>		
<i>E582742</i>	<i>DISCONTINUED. Replaced by EX-5r-c Lite E50Q032</i>		

Upgrades EX-5r-c IP

K00D582241	Upgrade Key, EX-5r-c IP single terminal, from 55 Mbps to 100 Mbps	Each	\$2,500.00
K00E582241	Upgrade Key, EX-5r-c IP single terminal, from 55 Mbps to 200 Mbps	Each	\$4,000.00
K00F582241	Upgrade Key, EX-5r-c IP single terminal, from 100 Mbps to 200 Mbps	Each	\$1,500.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories EX-5r-c IP

A100108	GPS kit for single EX-r Version 1 terminal, includes GPS receiver and mounting bracket.	Each	\$500.00
A100109	GPS 5-pack for EX-r Version 1 terminals	Each	\$2,000.00
A100115	GPS 10-pack for EX-r Version 1 terminals	Each	\$4,000.00
A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A93000126	SPARE Mounting kit for Ex-r Series with external antenna connectors, single terminal	Each	\$119.00
A93000127	SPARE 10/100BaseT Power Injector for EX-r Series terminals	Each	\$90.00
A93000136	50 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$69.00
A93000137	150 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$129.00
A93000138	SPARE accessory kit for EX-r Version 1 ODUs. Includes grounding hardware, spare connectors, weather-proofing tape, RSL voltage cable lifting eye hardware.	Each	\$79.00
A93000139	275 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$325.00
A93000140	10 ft. pre-terminated CAT-5, shielded, UV-rated cable for EX-r Version 1 terminals.	Each	\$39.00

Extended Support EX-5r-c IP

S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-5r-c IP v2

DISCONTINUED

Replaced by EX-r-c Lite



Upgrades, accessories and extended support are available for the EX-5r-c IP v2

CPN	Description	UOM	List Price
<i>E50C741</i>	<i>DISCONTINUED. Replaced by EX-5r-c Lite E50Q031</i>		
<i>E50C742</i>	<i>DISCONTINUED. Replaced by EX-5r-c Lite E50Q032</i>		
Upgrades			EX-5r-c IP v2
K00D50C741	Upgrade Key, EX-5r-c IP Version 2 single terminal, from 55 Mbps to 100 Mbps	Each	\$2,500.00
K00E50C741	Upgrade Key, EX-5r-c IP Version 2 single terminal, from 55 Mbps to 200 Mbps	Each	\$4,000.00
K00F50C741	Upgrade Key, EX-5r-c IP Version 2 single terminal, from 100 Mbps to 200 Mbps	Each	\$1,500.00
Accessories			EX-5r-c IP v2
A200492	SPARE accessory kit (EX-r Series v2/3 and GigE). Includes grounding hardware, weather-proofing tape, RSL voltage cable and lifting eye hardware.	Each	\$100.00
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A93000126	SPARE Mounting kit for Ex-r Series with external antenna connectors, single terminal	Each	\$119.00
A93000127	SPARE 10/100BaseT Power Injector for EX-r Series terminals	Each	\$90.00
Extended Support			EX-5r-c IP v2
S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-5r-c Lite

Base Capacity: 27 Mbps + 0xT1/E1

Max Capacity: 100 Mbps + 4xT1/E1

Tri-Band 5 GHz Point-to-Point Microwave Radio

Entry-level, all-outdoor, carrier-class 5 GHz TDD microwave radio for enterprises and service providers. Features include software upgradeable capacity, interference avoidance, throughput symmetry control and low, fixed latency.



CPN	Description	UOM	List Price
E50Q031	5 GHz tri-band ODU terminal, 27 Mbps + 0xT1/E1 expandable to 100 Mbps + 4xT1/E1; external antenna; includes AC adapter, PoE injector, accessory kit and mounting kit	Terminal	\$3,600.00
E50Q032	OBSOLETE CPN 5 GHz tri-band ODU complete hop, 27 Mbps + 0xT1/E1 expandable to 100 Mbps + 4xT1/E1; external antenna; includes AC adapters, PoE injectors, accessory kits and mounting kits	Hop	\$7,200.00

Upgrades			EX-5r-c Lite
K00A50Q031	Upgrade Key, EX-5r-c Lite, single terminal, 55 Mbps to 100 Mbps	Each	\$3,800.00
K00B50Q031	Upgrade Key, EX-5r-c Lite, single terminal, 27 Mbps to 55 Mbps	Each	\$800.00
K01450Q031	Upgrade Key, EX-5r-c Lite, single terminal, 27 Mbps to 100 Mbps	Each	\$4,600.00
K01550Q031	Upgrade Key, EX-5r-c Lite, single terminal, 0xT1/E1 to 2xT1/E1	Each	\$250.00
K01650Q031	Upgrade Key, EX-5r-c Lite, single terminal, 0xT1/E1 to 4xT1/E1	Each	\$500.00
K01750Q031	Upgrade Key, EX-5r-c Lite, single terminal, 2xT1/E1 to 4xT1/E1	Each	\$250.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories			EX-5r-c Lite
A200492	SPARE accessory kit (EX-r Series v2/3 and GigE). Includes grounding hardware, weather-proofing tape, RSL voltage cable and lifting eye hardware.	Each	\$100.00
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A93000126	SPARE Mounting kit for Ex-r Series with external antenna connectors, single terminal	Each	\$119.00
A93000127	SPARE 10/100BaseT Power Injector for EX-r Series terminals	Each	\$90.00

Extended Support			EX-5r-c Lite
S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S005T01	3-year advanced replacement & emergency support, single terminal	Each	\$2,375.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

EX-5r-c v2

Base Capacity: 100 Mbps + 0xT1/E1

Max Capacity: 200 Mbps + 4xT1/E1

Tri-Band 5 GHz Point-to-Point Microwave Radio

All-outdoor, carrier-class 5 GHz TDD microwave radio for enterprises, service providers and government and public safety organizations. Features include native TDM and native Ethernet, guaranteed link availability and user throughput, software upgradeable capacity and low, fixed latency.



CPN	Description	UOM	List Price
E50C001	5 GHz tri-band ODU version 2 terminal, 100 Mbps + 0xT1/E1 expandable to 200 Mbps + 4xT1/E1; external antenna; includes AC adapter, PoE injector, accessory kit and mounting kit	Terminal	\$6,110.00
E50C002	OBSOLETE CPN 5 GHz tri-band ODU version 2 complete hop, 100 Mbps + 0xT1/E1 expandable to 200 Mbps + 4xT1/E1; external antenna; includes AC adapters, PoE injectors, accessory kits and mounting kits	Hop	\$14,790.00

Upgrades EX-5r-c v2

K00150C001	Upgrade Key, EX-5r-c version 2 single terminal, 100 Mbps to 200 Mbps	Each	\$1,500.00
K01550C001	Upgrade Key, EX-5r-c v2, single terminal, 0xT1/E1 to 2xT1/E1	Each	\$250.00
K01650C001	Upgrade Key, EX-5r-c v 2, single terminal, 0xT1/E1 to 4xT1/E1	Each	\$500.00
K01750C001	Upgrade Key, EX-5r-c v 2, single terminal, 2xT1/E1 to 4xT1/E1	Each	\$250.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories EX-5r-c v2

A100462	Capacity Expansion Kit for 5+ 6 GHz capacity upgrade -single terminal	Each	\$1,250.00
A100480	CPR-137 waveguide to N (F) adapters (set of 2) for use with 5+6 GHz Capacity Expansion kit	Each	\$550.00
A200492	SPARE accessory kit (EX-r Series v2/3 and GigE). Includes grounding hardware, weather-proofing tape, RSL voltage cable and lifting eye hardware.	Each	\$100.00
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
A25000002	SPARE EX-r Series and EX-i Series 72W AC Adapter	Each	\$159.00
A93000126	SPARE Mounting kit for Ex-r Series with external antenna connectors, single terminal	Each	\$119.00
A93000127	SPARE 10/100BaseT Power Injector for EX-r Series terminals	Each	\$90.00

Extended Support EX-5r-c v2

S001T01	1-year warranty extension, single terminal	Each	\$850.00
S002T01	3-year warranty extension, single terminal	Each	\$1,615.00
S003T01	1-year advanced replacement & emergency support, single terminal	Each	\$1,250.00
S004T01	2-year advanced replacement & emergency support, single terminal	Each	\$2,000.00
S006T01	5-year advanced replacement & emergency support, single terminal	Each	\$2,750.00
S007T01	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$4,000.00

ExtendAir r4900

Base Capacity: 27 Mbps

Max Capacity: 160 Mbps

4.9 GHz Point-to-Point Microwave Radio

All-outdoor, carrier-class, 4.9 GHz Ethernet radio system with up to 160 Mbps user throughput and one 10/100BaseT PoE port. Features include integrated 23dBi antenna, CarrierTDD, software upgradeable capacity, interference avoidance, throughput symmetry control, advanced data networking, and low, fixed latency.



CPN	Description	UOM	List Price
E49D731	ExtendAir r4900, 4.9 GHz carrier-class ODU, terminal, 1x10/100BaseT, 27 Mbps expandable to 160 Mbps; integrated antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Terminal	\$2,995.00
E49D732	OBSOLETE CPN ExtendAir r4900, 4.9 GHz carrier-class ODU, hop, 1x10/100BaseT, 27 Mbps expandable to 160 Mbps; integrated antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Hop	\$5,990.00

Upgrades			ExtendAir r4900
K00B49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 27 Mbps to 55 Mbps	Each	\$500.00
K01449XX31	Upgrade Key, ExtendAir 4.9 GHz single terminal, 55 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$800.00
K01850XX3X	Upgrade Key - ExtendAir only, single terminal, 128-bit AES Encryption	Each	\$600.00
K01950XX3X	Upgrade Key - ExtendAir only, single terminal, 256-bit AES Encryption	Each	\$800.00
K02Q49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 27 Mbps to 80 Mbps	Each	\$800.00
K02R49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 55 Mbps to 80 Mbps	Each	\$300.00
K02S49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 55 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$800.00
K02T49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 80 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$500.00
K02U49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 27 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$1,300.00

Accessories			ExtendAir r4900
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
A93000108	SPARE mounting kit for EX-r Series and ExtendAir radios with integrated antenna, single terminal	Each	\$139.00
AE50X01	SPARE ExtendAir accessory kit. single terminal. Includes grounding hardware and self anhealing tape.	Each	\$79.00
AE50X02	ExtendAir AC power kit, single terminal. Includes PoE injector with integrated 72 W AC power adapter. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$149.00
AE50X03	ExtendAir DC power kit, single terminal. Includes PoE injector and DC power connector. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$90.00



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Exalt Products

Extended Support

ExtendAir r4900

S001T04	1-year warranty extension, single terminal	Each	\$600.00
S002T04	3-year warranty extension, single terminal	Each	\$800.00
S003T04	1-year advanced replacement & emergency support, single terminal	Each	\$900.00
S004T04	2-year advanced replacement & emergency support, single terminal	Each	\$1,000.00
S005T04	3-year advanced replacement & emergency support, single terminal	Each	\$1,100.00
S006T04	5-year advanced replacement & emergency support, single terminal	Each	\$1,300.00
S007T04	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$1,800.00

ExtendAir r4905

Base Capacity: 27 Mbps

Max Capacity: 160 Mbps

4.9 GHz Point-to-Point Microwave Radio with Three Port Integr

All-outdoor, carrier-class, 4.9 GHz Ethernet radio system with up to 160 Mbps user throughput. Radios include three 10/100BaseT ports with integrated layer 2 switching. Features include integrated 23dBi antenna, CarrierTDD, software upgradeable capacity, interference avoidance, throughput symmetry control, advanced data networking, and low, fixed latency.



CPN	Description	UOM	List Price
E49DA31	ExtendAir r4905, 4.9 GHz carrier-class ODU, terminal, 3x10/100BaseT, 27 Mbps expandable to 160 Mbps; integrated antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Terminal	\$3,355.00
E49DA32	OBSOLETE CPN ExtendAir r4905, 4.9 GHz carrier-class ODU, hop, 3x 10/100BaseT, 27 Mbps expandable to 160 Mbps; integrated antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Hop	\$6,710.00

Upgrades			ExtendAir r4905
K00B49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 27 Mbps to 55 Mbps	Each	\$500.00
K01449XX31	Upgrade Key, ExtendAir 4.9 GHz single terminal, 55 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$800.00
K01850XX3X	Upgrade Key - ExtendAir only, single terminal, 128-bit AES Encryption	Each	\$600.00
K01950XX3X	Upgrade Key - ExtendAir only, single terminal, 256-bit AES Encryption	Each	\$800.00
K02Q49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 27 Mbps to 80 Mbps	Each	\$800.00
K02R49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 55 Mbps to 80 Mbps	Each	\$300.00
K02S49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 55 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$800.00
K02T49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 80 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$500.00
K02U49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 27 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$1,300.00

Accessories			ExtendAir r4905
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
A93000108	SPARE mounting kit for EX-r Series and ExtendAir radios with integrated antenna, single terminal	Each	\$139.00
AE50X01	SPARE ExtendAir accessory kit. single terminal. Includes grounding hardware and self anhelng tape.	Each	\$79.00
AE50X02	ExtendAir AC power kit, single terminal. Includes PoE injector with integrated 72 W AC power adapter. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$149.00
AE50X03	ExtendAir DC power kit, single terminal. Includes PoE injector and DC power connector. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$90.00



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Exalt Products

Extended Support

ExtendAir r4905

S001T04	1-year warranty extension, single terminal	Each	\$600.00
S002T04	3-year warranty extension, single terminal	Each	\$800.00
S003T04	1-year advanced replacement & emergency support, single terminal	Each	\$900.00
S004T04	2-year advanced replacement & emergency support, single terminal	Each	\$1,000.00
S005T04	3-year advanced replacement & emergency support, single terminal	Each	\$1,100.00
S006T04	5-year advanced replacement & emergency support, single terminal	Each	\$1,300.00
S007T04	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$1,800.00

ExtendAir r4910

Base Capacity: 27 Mbps + 4xT1/E1

Max Capacity: 160 Mbps +4 x T1/E1

4.9 GHz Point-to-Point Microwave Radio

All-outdoor, carrier-class, 4.9 GHz Ethernet radio system with up to 160 Mbps user throughput, single PoE port and four native T1/E1. Features include integrated 23dBi antenna, CarrierTDD, software upgradeable capacity, interference avoidance, throughput symmetry control, advanced data networking, and low, fixed latency.



CPN	Description	UOM	List Price
E49D031	ExtendAir r4910, 4.9 GHz carrier-class ODU, terminal, 1x10/100BaseT + 4xT1/E1, 27 Mbps expandable to 160 Mbps; integrated antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Terminal	\$4,795.00
E49D032	OBSOLETE CPN ExtendAir r4910, 4.9 GHz carrier-class ODU, hop, 1x10/100BaseT + 4xT1/E1, 27 Mbps expandable to 160 Mbps; integrated antenna; includes accessory kits and mounting kits. Must order AC or DC power kits separately.	Hop	\$9,590.00

Upgrades		ExtendAir r4910	
K00B49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 27 Mbps to 55 Mbps	Each	\$500.00
K01449XX31	Upgrade Key, ExtendAir 4.9 GHz single terminal, 55 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$800.00
K01850XX3X	Upgrade Key - ExtendAir only, single terminal, 128-bit AES Encryption	Each	\$600.00
K01950XX3X	Upgrade Key - ExtendAir only, single terminal, 256-bit AES Encryption	Each	\$800.00
K02Q49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 27 Mbps to 80 Mbps	Each	\$800.00
K02R49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 55 Mbps to 80 Mbps	Each	\$300.00
K02S49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 55 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$800.00
K02T49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 80 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$500.00
K02U49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 27 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$1,300.00

Accessories		ExtendAir r4910	
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
A93000108	SPARE mounting kit for EX-r Series and ExtendAir radios with integrated antenna, single terminal	Each	\$139.00
AE50X01	SPARE ExtendAir accessory kit. single terminal. Includes grounding hardware and self anheing tape.	Each	\$79.00
AE50X02	ExtendAir AC power kit, single terminal. Includes PoE injector with integrated 72 W AC power adapter. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$149.00
AE50X03	ExtendAir DC power kit, single terminal. Includes PoE injector and DC power connector. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$90.00



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Exalt Products

Extended Support

ExtendAir r4910

S001T04	1-year warranty extension, single terminal	Each	\$600.00
S002T04	3-year warranty extension, single terminal	Each	\$800.00
S003T04	1-year advanced replacement & emergency support, single terminal	Each	\$900.00
S004T04	2-year advanced replacement & emergency support, single terminal	Each	\$1,000.00
S005T04	3-year advanced replacement & emergency support, single terminal	Each	\$1,100.00
S006T04	5-year advanced replacement & emergency support, single terminal	Each	\$1,300.00
S007T04	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$1,800.00

ExtendAir r5000

Base Capacity: 27 Mbps

Max Capacity: 160 Mbps

Tri-Band 5 GHz Point-to-Point Microwave Radio

All-outdoor, carrier-class, Tri-band 5 GHz Ethernet radio system with up to 160 Mbps user throughput and one 10/100BaseT PoE port. Features include integrated 23dBi antenna, CarrierTDD, software upgradeable capacity, interference avoidance, throughput symmetry control, advanced data networking, and low, fixed latency.



CPN	Description	UOM	List Price
E50D731	ExtendAir r5000, 5 GHz Tri-band, carrier-class ODU, terminal, 1x10/100BaseT, 27 Mbps expandable to 160 Mbps; integrated antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Terminal	\$2,495.00
E50D732	OBSOLETE CPN ExtendAir r5000, 5 GHz Tri-band, carrier-class ODU, complete hop, 1x10/100BaseT, 27 Mbps expandable to 160 Mbps; integrated antenna; includes accessory kits and mounting kits. Must order AC or DC power kits separately.	Hop	\$4,990.00

Upgrades ExtendAir r5000

K00A50XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 27 Mbps to 160 Mbps	Each	\$800.00
K00B50XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 27 Mbps to 55 Mbps	Each	\$500.00
K01450XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 55 Mbps to 160 Mbps	Each	\$300.00
K01850XX3X	Upgrade Key - ExtendAir only, single terminal, 128-bit AES Encryption	Each	\$600.00
K01950XX3X	Upgrade Key - ExtendAir only, single terminal, 256-bit AES Encryption	Each	\$800.00

Accessories ExtendAir r5000

A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
A93000108	SPARE mounting kit for EX-r Series and ExtendAir radios with integrated antenna, single terminal	Each	\$139.00
AE50X01	SPARE ExtendAir accessory kit. single terminal. Includes grounding hardware and self anhelng tape.	Each	\$79.00
AE50X02	ExtendAir AC power kit, single terminal. Includes PoE injector with integrated 72 W AC power adapter. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$149.00
AE50X03	ExtendAir DC power kit, single terminal. Includes PoE injector and DC power connector. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$90.00

Extended Support ExtendAir r5000

S001T04	1-year warranty extension, single terminal	Each	\$600.00
S002T04	3-year warranty extension, single terminal	Each	\$800.00
S003T04	1-year advanced replacement & emergency support, single terminal	Each	\$900.00
S004T04	2-year advanced replacement & emergency support, single terminal	Each	\$1,000.00
S005T04	3-year advanced replacement & emergency support, single terminal	Each	\$1,100.00
S006T04	5-year advanced replacement & emergency support, single terminal	Each	\$1,300.00
S007T04	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$1,800.00

ExtendAir r5005

Base Capacity: 27 Mbps

Max Capacity: 160 Mbps

Tri-Band 5 GHz Point-to-Point Microwave Radio with Three Por

All-outdoor, carrier-class, Tri-band 5 GHz Ethernet radio system with up to 160 Mbps user throughput. Radios include three 10/100BaseT ports with integrated layer 2 switching. Features include integrated 23dBi antenna, CarrierTDD, software upgradeable capacity, interference avoidance, throughput symmetry control, advanced data networking, and low, fixed latency.



CPN	Description	UOM	List Price
E50DA31	ExtendAir r5005, 5 GHz Tri-band, carrier-class ODU, terminal, 3x10/100BaseT, 27 Mbps expandable to 160 Mbps; integrated antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Terminal	\$2,795.00
E50DA32	OBSOLETE CPN ExtendAir r5005, 5 GHz Tri-band, carrier-class ODU, complete hop, 3x 10/100BaseT, 27 Mbps expandable to 160 Mbps; integrated antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Hop	\$5,590.00

Upgrades			ExtendAir r5005
K00A50XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 27 Mbps to 160 Mbps	Each	\$800.00
K00B50XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 27 Mbps to 55 Mbps	Each	\$500.00
K01450XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 55 Mbps to 160 Mbps	Each	\$300.00
K01850XX3X	Upgrade Key - ExtendAir only, single terminal, 128-bit AES Encryption	Each	\$600.00
K01950XX3X	Upgrade Key - ExtendAir only, single terminal, 256-bit AES Encryption	Each	\$800.00

Accessories			ExtendAir r5005
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
A93000108	SPARE mounting kit for EX-r Series and ExtendAir radios with integrated antenna, single terminal	Each	\$139.00
AE50X01	SPARE ExtendAir accessory kit. single terminal. Includes grounding hardware and self anhelng tape.	Each	\$79.00
AE50X02	ExtendAir AC power kit, single terminal. Includes PoE injector with integrated 72 W AC power adapter. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$149.00
AE50X03	ExtendAir DC power kit, single terminal. Includes PoE injector and DC power connector. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$90.00

Extended Support			ExtendAir r5005
S001T04	1-year warranty extension, single terminal	Each	\$600.00
S002T04	3-year warranty extension, single terminal	Each	\$800.00
S003T04	1-year advanced replacement & emergency support, single terminal	Each	\$900.00
S004T04	2-year advanced replacement & emergency support, single terminal	Each	\$1,000.00
S005T04	3-year advanced replacement & emergency support, single terminal	Each	\$1,100.00
S006T04	5-year advanced replacement & emergency support, single terminal	Each	\$1,300.00
S007T04	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$1,800.00

ExtendAir r5010

Base Capacity: 27 Mbps + 4xT1/E1

Max Capacity: 160 Mbps +4 x T1/E1

Tri-Band 5 GHz Point-to-Point Microwave Radio

All-outdoor, carrier-class, Tri-band 5 GHz Ethernet radio system with up to 160 Mbps user throughput, single PoE port and four native T1/E1. Features include integrated 23dBi antenna, CarrierTDD, software upgradeable capacity, interference avoidance, throughput symmetry control, advanced data networking, and low, fixed latency.



CPN	Description	UOM	List Price
E50D031	ExtendAir r5010, 5 GHz Tri-band, carrier-class ODU, terminal, 1x10/100BaseT + 4xT1/E1, 27 Mbps expandable to 160 Mbps; integrated antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Terminal	\$3,895.00
E50D032	OBSOLETE CPN ExtendAir r5010, 5 GHz Tri-band, carrier-class ODU, complete hop, 1x10/100BaseT + 4xT1/E1, 27 Mbps expandable to 160 Mbps; integrated antenna; includes accessory kits and mounting kits. Must order AC or DC power kits separately.	Hop	\$7,790.00

Upgrades ExtendAir r5010

K00A50XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 27 Mbps to 160 Mbps	Each	\$800.00
K00B50XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 27 Mbps to 55 Mbps	Each	\$500.00
K01450XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 55 Mbps to 160 Mbps	Each	\$300.00
K01850XX3X	Upgrade Key - ExtendAir only, single terminal, 128-bit AES Encryption	Each	\$600.00
K01950XX3X	Upgrade Key - ExtendAir only, single terminal, 256-bit AES Encryption	Each	\$800.00

Accessories ExtendAir r5010

A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
A93000108	SPARE mounting kit for EX-r Series and ExtendAir radios with integrated antenna, single terminal	Each	\$139.00
AE50X01	SPARE ExtendAir accessory kit. single terminal. Includes grounding hardware and self anheing tape.	Each	\$79.00
AE50X02	ExtendAir AC power kit, single terminal. Includes PoE injector with integrated 72 W AC power adapter. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$149.00
AE50X03	ExtendAir DC power kit, single terminal. Includes PoE injector and DC power connector. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$90.00

Extended Support ExtendAir r5010

S001T04	1-year warranty extension, single terminal	Each	\$600.00
S002T04	3-year warranty extension, single terminal	Each	\$800.00
S003T04	1-year advanced replacement & emergency support, single terminal	Each	\$900.00
S004T04	2-year advanced replacement & emergency support, single terminal	Each	\$1,000.00
S005T04	3-year advanced replacement & emergency support, single terminal	Each	\$1,100.00
S006T04	5-year advanced replacement & emergency support, single terminal	Each	\$1,300.00
S007T04	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$1,800.00

ExtendAir r5015

Base Capacity: 2xT1/E1 + 2 Mbps

Max Capacity: 4 x T1/E1 + 160 Mbps

Tri-Band 5 GHz Point-to-Point Microwave Radio

All-outdoor, carrier-class, Tri-band 5 GHz Ethernet radio system with 2xT1/E1 and 2 Mbps Ethernet expandable to 4xT1/E1 and up to 160 Mbps user throughput, single PoE port and four native T1/E1. Features include integrated 23dBi antenna, CarrierTDD, software upgradeable capacity, interference avoidance, throughput symmetry control, advanced data networking, and low, fixed latency.



CPN	Description	UOM	List Price
E50D0T1	ExtendAir r5015, 5 GHz Tri-band, carrier-class ODU, terminal, 2xT1/E1 expandable to 4xT1/E1 and 160 Mbps; integrated antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Terminal	\$2,495.00
E50D0T2	OBSOLETE CPN ExtendAir r5015, 5 GHz Tri-band, carrier-class ODU, complete hop, 2xT1/E1 expandable to 4xT1/E1 and 160 Mbps; integrated antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Hop	\$4,990.00

Upgrades			ExtendAir r5015
K00A50XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 27 Mbps to 160 Mbps	Each	\$800.00
K00B50XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 27 Mbps to 55 Mbps	Each	\$500.00
K01450XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 55 Mbps to 160 Mbps	Each	\$300.00
K01750X0T1	Upgrade Key, ExtendAir r5015 and rc5015, single terminal, 2 to 4xT1/E1	Each	\$250.00
K01850XX3X	Upgrade Key - ExtendAir only, single terminal, 128-bit AES Encryption	Each	\$600.00
K01950XX3X	Upgrade Key - ExtendAir only, single terminal, 256-bit AES Encryption	Each	\$800.00
K1DA50XXT1	Upgrade Key, ExtendAir, r5015 & rc5015 single terminal, 0 to 27 Mbps	Each	\$1,750.00
K1EA50XXT1	Upgrade Key, ExtendAir r5015 & rc5015, single terminal, 0 to 55 Mbps	Each	\$2,250.00
K1FA50XXT1	Upgrade Key, ExtendAir r5015 & rc5015, single terminal, 0 to 160 Mbps	Each	\$2,550.00

Accessories			ExtendAir r5015
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
AE50X01	SPARE ExtendAir accessory kit. single terminal. Includes grounding hardware and self anhelng tape.	Each	\$79.00
AE50X02	ExtendAir AC power kit, single terminal. Includes PoE injector with integrated 72 W AC power adapter. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$149.00
AE50X03	ExtendAir DC power kit, single terminal. Includes PoE injector and DC power connector. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$90.00

Extended Support			ExtendAir r5015
S001T04	1-year warranty extension, single terminal	Each	\$600.00
S002T04	3-year warranty extension, single terminal	Each	\$800.00
S003T04	1-year advanced replacement & emergency support, single terminal	Each	\$900.00
S004T04	2-year advanced replacement & emergency support, single terminal	Each	\$1,000.00
S005T04	3-year advanced replacement & emergency support, single terminal	Each	\$1,100.00
S006T04	5-year advanced replacement & emergency support, single terminal	Each	\$1,300.00
S007T04	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$1,800.00

ExtendAir rc4900

Base Capacity: 27 Mbps

Max Capacity: 160 Mbps

4.9 GHz Point-to-Point Microwave Radio

All-outdoor, carrier-class, 4.9 GHz Ethernet radio system with up to 160 Mbps user throughput and one 10/100BaseT PoE port. Features include CarrierTDD, software upgradeable capacity, interference avoidance, throughput symmetry control, advanced data networking, low, fixed latency, and type-N connector for external antenna applications..



CPN	Description	UOM	List Price
E49E731	ExtendAir rc4900, 4.9 GHz carrier-class ODU, terminal, 1x10/100BaseT, 27 Mbps expandable to 160 Mbps; external antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Terminal	\$2,875.00
E49E732	OBSOLETE CPN ExtendAir rc4900, 4.9 GHz carrier-class ODU hop, 1x10/100BaseT, 27 Mbps expandable to 160 Mbps; external antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Hop	\$5,750.00

Upgrades		ExtendAir rc4900	
K00B49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 27 Mbps to 55 Mbps	Each	\$500.00
K01449XX31	Upgrade Key, ExtendAir 4.9 GHz single terminal, 55 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$800.00
K01850XX3X	Upgrade Key - ExtendAir only, single terminal, 128-bit AES Encryption	Each	\$600.00
K01950XX3X	Upgrade Key - ExtendAir only, single terminal, 256-bit AES Encryption	Each	\$800.00
K02Q49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 27 Mbps to 80 Mbps	Each	\$800.00
K02R49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 55 Mbps to 80 Mbps	Each	\$300.00
K02S49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 55 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$800.00
K02T49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 80 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$500.00
K02U49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 27 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$1,300.00

Accessories		ExtendAir rc4900	
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
AE50E01	SPARE mounting kit for ExtendAir rc models with external antenna connector, single terminal	Each	\$120.00
AE50X01	SPARE ExtendAir accessory kit. single terminal. Includes grounding hardware and self anhelng tape.	Each	\$79.00
AE50X02	ExtendAir AC power kit, single terminal. Includes PoE injector with integrated 72 W AC power adapter. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$149.00
AE50X03	ExtendAir DC power kit, single terminal. Includes PoE injector and DC power connector. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$90.00



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Extended Support		ExtendAir rc4900	
S001T04	1-year warranty extension, single terminal	Each	\$600.00
S002T04	3-year warranty extension, single terminal	Each	\$800.00
S003T04	1-year advanced replacement & emergency support, single terminal	Each	\$900.00
S004T04	2-year advanced replacement & emergency support, single terminal	Each	\$1,000.00
S005T04	3-year advanced replacement & emergency support, single terminal	Each	\$1,100.00
S006T04	5-year advanced replacement & emergency support, single terminal	Each	\$1,300.00
S007T04	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$1,800.00

ExtendAir rc4905

Base Capacity: 27 Mbps

Max Capacity: 160 Mbps

4.9 GHz Point-to-Point Microwave Radio with Three Port Integr

All-outdoor, carrier-class, 4.9 GHz Ethernet radio system with up to 160 Mbps user throughput. Radios include three 10/100BaseT ports with integrated layer 2 switching. Features include CarrierTDD, software upgradeable capacity, interference avoidance, throughput symmetry control, advanced data networking, low, fixed latency, and type-N connector for external antenna applications..



CPN	Description	UOM	List Price
E49EA31	ExtendAir rc4905, 4.9 GHz carrier-class ODU, terminal, 3x10/100BaseT, 27 Mbps expandable to 160 Mbps; external antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Terminal	\$3,235.00
E49EA32	OBSOLETE CPN ExtendAir rc4905, 4.9 GHz carrier-class ODU, hop, 3x 10/100BaseT, 27 Mbps expandable to 160 Mbps; external antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Hop	\$6,470.00

Upgrades		ExtendAir rc4905	
K00B49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 27 Mbps to 55 Mbps	Each	\$500.00
K01449XX31	Upgrade Key, ExtendAir 4.9 GHz single terminal, 55 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$800.00
K01850XX3X	Upgrade Key - ExtendAir only, single terminal, 128-bit AES Encryption	Each	\$600.00
K01950XX3X	Upgrade Key - ExtendAir only, single terminal, 256-bit AES Encryption	Each	\$800.00
K02Q49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 27 Mbps to 80 Mbps	Each	\$800.00
K02R49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 55 Mbps to 80 Mbps	Each	\$300.00
K02S49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 55 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$800.00
K02T49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 80 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$500.00
K02U49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 27 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$1,300.00

Accessories		ExtendAir rc4905	
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
AE50E01	SPARE mounting kit for ExtendAir rc models with external antenna connector, single terminal	Each	\$120.00
AE50X01	SPARE ExtendAir accessory kit. single terminal. Includes grounding hardware and self anhelng tape.	Each	\$79.00
AE50X02	ExtendAir AC power kit, single terminal. Includes PoE injector with integrated 72 W AC power adapter. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$149.00
AE50X03	ExtendAir DC power kit, single terminal. Includes PoE injector and DC power connector. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$90.00



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Exalt Products

Extended Support		ExtendAir rc4905	
S001T04	1-year warranty extension, single terminal	Each	\$600.00
S002T04	3-year warranty extension, single terminal	Each	\$800.00
S003T04	1-year advanced replacement & emergency support, single terminal	Each	\$900.00
S004T04	2-year advanced replacement & emergency support, single terminal	Each	\$1,000.00
S005T04	3-year advanced replacement & emergency support, single terminal	Each	\$1,100.00
S006T04	5-year advanced replacement & emergency support, single terminal	Each	\$1,300.00
S007T04	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$1,800.00

ExtendAir rc4910

Base Capacity: 27 Mbps + 4xT1/E1

Max Capacity: 160 Mbps +4 x T1/E1

4.9 GHz Point-to-Point Microwave Radio

All-outdoor, carrier-class, 4.9 GHz Ethernet radio system with up to 160 Mbps user throughput, single PoE port and native 4xT1/E1. Features include CarrierTDD, software upgradeable capacity, interference avoidance, throughput symmetry control, advanced data networking, low, fixed latency, and type-N connector for external antenna applications.



CPN	Description	UOM	List Price
E49E031	ExtendAir rc4910, 4.9 GHz carrier-class ODU, terminal, 1x10/100BaseT + 4xT1/E1, 27 Mbps expandable to 160 Mbps; external antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Terminal	\$4,675.00
E49E032	OBSOLETE CPN ExtendAir rc4910, 4.9 GHz carrier-class ODU, hop, 1x10/100BaseT + 4xT1/E1, 27 Mbps expandable to 160 Mbps; external antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Hop	\$9,350.00

Upgrades		ExtendAir rc4910	
K00B49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 27 Mbps to 55 Mbps	Each	\$500.00
K01449XX31	Upgrade Key, ExtendAir 4.9 GHz single terminal, 55 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$800.00
K01850XX3X	Upgrade Key - ExtendAir only, single terminal, 128-bit AES Encryption	Each	\$600.00
K01950XX3X	Upgrade Key - ExtendAir only, single terminal, 256-bit AES Encryption	Each	\$800.00
K02Q49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 27 Mbps to 80 Mbps	Each	\$800.00
K02R49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 55 Mbps to 80 Mbps	Each	\$300.00
K02S49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 55 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$800.00
K02T49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 80 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$500.00
K02U49XX31	Upgrade Key, ExtendAir 4.9 GHz, single terminal, 27 Mbps to 160 Mbps. NOTE: REQUIRES 40MHz CHANNEL REGULATORY APPROVAL.	Each	\$1,300.00

Accessories		ExtendAir rc4910	
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
AE50E01	SPARE mounting kit for ExtendAir rc models with external antenna connector, single terminal	Each	\$120.00
AE50X01	SPARE ExtendAir accessory kit. single terminal. Includes grounding hardware and self anheing tape.	Each	\$79.00
AE50X02	ExtendAir AC power kit, single terminal. Includes PoE injector with integrated 72 W AC power adapter. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$149.00
AE50X03	ExtendAir DC power kit, single terminal. Includes PoE injector and DC power connector. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$90.00



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Extended Support		ExtendAir rc4910	
S001T04	1-year warranty extension, single terminal	Each	\$600.00
S002T04	3-year warranty extension, single terminal	Each	\$800.00
S003T04	1-year advanced replacement & emergency support, single terminal	Each	\$900.00
S004T04	2-year advanced replacement & emergency support, single terminal	Each	\$1,000.00
S005T04	3-year advanced replacement & emergency support, single terminal	Each	\$1,100.00
S006T04	5-year advanced replacement & emergency support, single terminal	Each	\$1,300.00
S007T04	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$1,800.00

ExtendAir rc5000

Base Capacity: 27 Mbps

Max Capacity: 160 Mbps

Tri-Band 5 GHz Point-to-Point Microwave Radio

All-outdoor, carrier-class, Tri-band 5 GHz Ethernet radio system with up to 160 Mbps user throughput and one 10/100BaseT PoE port. Features include CarrierTDD, software upgradeable capacity, interference avoidance, throughput symmetry control, advanced data networking, low, fixed latency, and type-N connector for external antenna applications..



CPN	Description	UOM	List Price
E50E731	ExtendAir rc5000, 5 GHz Tri-band, carrier-class ODU, terminal, 1x10/100BaseT, 27 Mbps expandable to 160 Mbps; external antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Terminal	\$2,395.00
E50E732	OBSOLETE CPN ExtendAir rc5000, 5 GHz Tri-band, carrier-class ODU, complete hop, 1x10/100BaseT, 27 Mbps expandable to 160 Mbps; external antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Hop	\$4,790.00

Upgrades ExtendAir rc5000

K00A50XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 27 Mbps to 160 Mbps	Each	\$800.00
K00B50XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 27 Mbps to 55 Mbps	Each	\$500.00
K01450XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 55 Mbps to 160 Mbps	Each	\$300.00
K01850XX3X	Upgrade Key - ExtendAir only, single terminal, 128-bit AES Encryption	Each	\$600.00
K01950XX3X	Upgrade Key - ExtendAir only, single terminal, 256-bit AES Encryption	Each	\$800.00

Accessories ExtendAir rc5000

A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
AE50E01	SPARE mounting kit for ExtendAir rc models with external antenna connector, single terminal	Each	\$120.00
AE50X01	SPARE ExtendAir accessory kit. single terminal. Includes grounding hardware and self anhelng tape.	Each	\$79.00
AE50X02	ExtendAir AC power kit, single terminal. Includes PoE injector with integrated 72 W AC power adapter. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$149.00
AE50X03	ExtendAir DC power kit, single terminal. Includes PoE injector and DC power connector. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$90.00

Extended Support ExtendAir rc5000

S001T04	1-year warranty extension, single terminal	Each	\$600.00
S002T04	3-year warranty extension, single terminal	Each	\$800.00
S003T04	1-year advanced replacement & emergency support, single terminal	Each	\$900.00
S004T04	2-year advanced replacement & emergency support, single terminal	Each	\$1,000.00
S005T04	3-year advanced replacement & emergency support, single terminal	Each	\$1,100.00
S006T04	5-year advanced replacement & emergency support, single terminal	Each	\$1,300.00
S007T04	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$1,800.00

ExtendAir rc5005

Base Capacity: 27 Mbps

Max Capacity: 160 Mbps

Tri-Band 5 GHz Point-to-Point Microwave Radio with Three Por

All-outdoor, carrier-class, Tri-band 5 GHz Ethernet radio system with up to 160 Mbps user throughput. Radios include three 10/100BaseT ports with integrated layer 2 switching. Features include CarrierTDD, software upgradeable capacity, interference avoidance, throughput symmetry control, advanced data networking, low, fixed latency, and type-N connector for external antenna applications..



CPN	Description	UOM	List Price
E50EA31	ExtendAir rc5005, 5 GHz Tri-band, carrier-class ODU, terminal, 3x10/100BaseT, 27 Mbps expandable to 160 Mbps; integrated antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Terminal	\$2,695.00
E50EA32	OBSOLETE CPN ExtendAir rc5005, 5 GHz Tri-band, carrier-class ODU, complete hop, 3x 10/100BaseT, 27 Mbps expandable to 160 Mbps; integrated antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Hop	\$5,390.00

Upgrades		ExtendAir rc5005	
K00A50XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 27 Mbps to 160 Mbps	Each	\$800.00
K00B50XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 27 Mbps to 55 Mbps	Each	\$500.00
K01450XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 55 Mbps to 160 Mbps	Each	\$300.00
K01850XX3X	Upgrade Key - ExtendAir only, single terminal, 128-bit AES Encryption	Each	\$600.00
K01950XX3X	Upgrade Key - ExtendAir only, single terminal, 256-bit AES Encryption	Each	\$800.00

Accessories		ExtendAir rc5005	
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
AE50E01	SPARE mounting kit for ExtendAir rc models with external antenna connector, single terminal	Each	\$120.00
AE50X01	SPARE ExtendAir accessory kit. single terminal. Includes grounding hardware and self anhelng tape.	Each	\$79.00
AE50X02	ExtendAir AC power kit, single terminal. Includes PoE injector with integrated 72 W AC power adapter. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$149.00
AE50X03	ExtendAir DC power kit, single terminal. Includes PoE injector and DC power connector. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$90.00

Extended Support		ExtendAir rc5005	
S001T04	1-year warranty extension, single terminal	Each	\$600.00
S002T04	3-year warranty extension, single terminal	Each	\$800.00
S003T04	1-year advanced replacement & emergency support, single terminal	Each	\$900.00
S004T04	2-year advanced replacement & emergency support, single terminal	Each	\$1,000.00
S005T04	3-year advanced replacement & emergency support, single terminal	Each	\$1,100.00
S006T04	5-year advanced replacement & emergency support, single terminal	Each	\$1,300.00
S007T04	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$1,800.00

ExtendAir rc5010

Base Capacity: 27 Mbps + 4xT1/E1

Max Capacity: 160 Mbps +4 x T1/E1

Tri-Band 5 GHz Point-to-Point Microwave Radio

All-outdoor, carrier-class, Tri-band 5 GHz Ethernet radio system with up to 160 Mbps user throughput, single PoE port and native 4xT1/E1. Features include CarrierTDD, software upgradeable capacity, interference avoidance, throughput symmetry control, advanced data networking, low, fixed latency, and type-N connector for external antenna applications.



CPN	Description	UOM	List Price
E50E031	ExtendAir rc5010, 5 GHz Tri-band, carrier-class ODU, terminal, 1x10/100BaseT + 4xT1/E1, 27 Mbps expandable to 160 Mbps; external antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Terminal	\$3,895.00
E50E032	OBSOLETE CPN ExtendAir rc5010, 5 GHz Tri-band, carrier-class ODU, complete hop, 1x10/100BaseT + 4xT1/E1, 27 Mbps expandable to 160 Mbps; external antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Hop	\$7,790.00

Upgrades ExtendAir rc5010

K00A50XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 27 Mbps to 160 Mbps	Each	\$800.00
K00B50XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 27 Mbps to 55 Mbps	Each	\$500.00
K01450XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 55 Mbps to 160 Mbps	Each	\$300.00
K01850XX3X	Upgrade Key - ExtendAir only, single terminal, 128-bit AES Encryption	Each	\$600.00
K01950XX3X	Upgrade Key - ExtendAir only, single terminal, 256-bit AES Encryption	Each	\$800.00

Accessories ExtendAir rc5010

A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
AE50E01	SPARE mounting kit for ExtendAir rc models with external antenna connector, single terminal	Each	\$120.00
AE50X01	SPARE ExtendAir accessory kit. single terminal. Includes grounding hardware and self anhelng tape.	Each	\$79.00
AE50X02	ExtendAir AC power kit, single terminal. Includes PoE injector with integrated 72 W AC power adapter. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$149.00
AE50X03	ExtendAir DC power kit, single terminal. Includes PoE injector and DC power connector. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$90.00

Extended Support ExtendAir rc5010

S001T04	1-year warranty extension, single terminal	Each	\$600.00
S002T04	3-year warranty extension, single terminal	Each	\$800.00
S003T04	1-year advanced replacement & emergency support, single terminal	Each	\$900.00
S004T04	2-year advanced replacement & emergency support, single terminal	Each	\$1,000.00
S005T04	3-year advanced replacement & emergency support, single terminal	Each	\$1,100.00
S006T04	5-year advanced replacement & emergency support, single terminal	Each	\$1,300.00
S007T04	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$1,800.00

ExtendAir rc5015

Base Capacity: 2xT1/E1 + 2 Mbps

Max Capacity: 4 x T1/E1 + 160 Mbps

Tri-Band 5 GHz Point-to-Point Microwave Radio

All-outdoor, carrier-class, Tri-band 5 GHz Ethernet radio system with 2xT1/E1 expandable to 4xT1/E1 and up to 160 Mbps user throughput, single PoE port and four native T1/E1. Features include CarrierTDD, software upgradeable capacity, interference avoidance, throughput symmetry control, advanced data networking, and low, fixed latency and type-N connector for external antenna applications..



CPN	Description	UOM	List Price
E50E0T1	ExtendAir rc5015, 5 GHz Tri-band, carrier-class ODU, terminal, 2xT1/E1 expandable to 4xT1/E1 and 160 Mbps; external antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Terminal	\$2,395.00
E50E0T2	OBSOLETE CPN ExtendAir rc5015, 5 GHz Tri-band, carrier-class ODU, complete hop, 2xT1/E1 expandable to 4xT1/E1 and 160 Mbps; external antenna; includes accessory kit and mounting kit. Must order AC or DC power kit separately.	Hop	\$4,790.00

Upgrades			ExtendAir rc5015
K00A50XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 27 Mbps to 160 Mbps	Each	\$800.00
K00B50XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 27 Mbps to 55 Mbps	Each	\$500.00
K01450XX31	Upgrade Key, ExtendAir 5 GHz, single terminal, 55 Mbps to 160 Mbps	Each	\$300.00
K01750X0T1	Upgrade Key, ExtendAir r5015 and rc5015, single terminal, 2 to 4xT1/E1	Each	\$250.00
K01850XX3X	Upgrade Key - ExtendAir only, single terminal, 128-bit AES Encryption	Each	\$600.00
K01950XX3X	Upgrade Key - ExtendAir only, single terminal, 256-bit AES Encryption	Each	\$800.00
K1DA50XXT1	Upgrade Key, ExtendAir, r5015 & rc5015 single terminal, 0 to 27 Mbps	Each	\$1,750.00
K1EA50XXT1	Upgrade Key, ExtendAir r5015 & rc5015, single terminal, 0 to 55 Mbps	Each	\$2,250.00
K1FA50XXT1	Upgrade Key, ExtendAir r5015 & rc5015, single terminal, 0 to 160 Mbps	Each	\$2,550.00

Accessories			ExtendAir rc5015
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
AE50E01	SPARE mounting kit for ExtendAir rc models with external antenna connector, single terminal	Each	\$120.00
AE50X01	SPARE ExtendAir accessory kit. single terminal. Includes grounding hardware and self anhelng tape.	Each	\$79.00
AE50X02	ExtendAir AC power kit, single terminal. Includes PoE injector with integrated 72 W AC power adapter. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$149.00
AE50X03	ExtendAir DC power kit, single terminal. Includes PoE injector and DC power connector. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered for ExtendAir terminals.	Each	\$90.00

Extended Support			ExtendAir rc5015
S001T04	1-year warranty extension, single terminal	Each	\$600.00
S002T04	3-year warranty extension, single terminal	Each	\$800.00
S003T04	1-year advanced replacement & emergency support, single terminal	Each	\$900.00
S004T04	2-year advanced replacement & emergency support, single terminal	Each	\$1,000.00
S005T04	3-year advanced replacement & emergency support, single terminal	Each	\$1,100.00
S006T04	5-year advanced replacement & emergency support, single terminal	Each	\$1,300.00
S007T04	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single terminal	Each	\$1,800.00

EX-r Series GigE

EX-4.5r GigE

Base Capacity: 110 Mbps + 0xT1/E1

Max Capacity: 440 Mbps + 4xT1/E1

4.5 GHz Microwave Backhaul Radio with 1000BaseT

Ultra-high performance, all-outdoor, carrier-class 4.5 GHz TDD microwave radio for government, military, and NATO communications. Features include native TDM and native Ethernet, guaranteed link availability and user throughput, software upgradeable capacity and low, fixed latency. The EX-4.5r-c GigE is the fastest 4.5 GHz microwave radio on the market.



CPN	Description	UOM	List Price
E4510A1	4.5 GHz ODU terminal, 110 Mbps + 0xT1/E1 expandable to 440 Mbps + 4xT1/E1; integrated antenna; includes AC adapter, PoE injector, accessory kit and mounting kit	Terminal	\$9,765.00
E4510A2	OBSOLETE CPN 4.5 GHz ODU complete hop, 110 Mbps + 0xT1/E1 expandable to 440 Mbps + 4xT1/E1; integrated antenna; includes AC adapters, PoE injector, accessory kit and mounting kit	Hop	\$20,620.00

Upgrades			EX-4.5r GigE
K00F4510A1	Upgrade Key, single terminal, EX-4.5r GigE 110 Mbps to 220 Mbps	Each	\$750.00
K00G4510A1	Upgrade Key, single terminal, EX-4.5r GigE 0xT1/E1 to 4xT1/E1	Each	\$500.00
K00J4510A1	Upgrade Key, single terminal, EX-4.5r GigE 220 Mbps to 440 Mbps	Each	\$1,500.00
K0104510A1	Upgrade Key, single terminal, EX-4.5r GigE 110 Mbps to 440 Mbps	Each	\$2,250.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories			EX-4.5r GigE
A200492	SPARE accessory kit (EX-r Series v2/3 and GigE). Includes grounding hardware, weather-proofing tape, RSL voltage cable and lifting eye hardware.	Each	\$100.00
A201348	SPARE GigE power injector (EX-r Series GigE)	Each	\$120.00
A201560	SPARE EX-r Series and EX-s Series 100W AC Adapter	Each	\$189.00
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
A93000108	SPARE mounting kit for EX-r Series and ExtendAir radios with integrated antenna, single terminal	Each	\$139.00

Extended Support			EX-4.5r GigE
S001T02	1-year warranty extension, single GigE terminal	Each	\$1,020.00
S002T02	3-year warranty extension, single GigE terminal	Each	\$1,950.00
S003T02	1-year advanced replacement & emergency support, single GigE terminal	Each	\$1,500.00
S004T02	2-year advanced replacement & emergency support, single GigE terminal	Each	\$2,400.00
S005T02	3-year advanced replacement & emergency support, single GigE terminal	Each	\$2,850.00
S006T02	5-year advanced replacement & emergency support, single GigE terminal	Each	\$3,300.00
S007T02	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single GigE terminal	Each	\$4,800.00

EX-4.5r-c GigE

Base Capacity: 110 Mbps + 0xT1/E1

Max Capacity: 440 Mbps + 4xT1/E1

4.5 GHz Microwave Backhaul Radio with 1000BaseT

Ultra-high performance, all-outdoor, carrier-class 4.5 GHz TDD microwave radio for government, military, and NATO communications. Features include native TDM and native Ethernet, guaranteed link availability and user throughput, software upgradeable capacity and low, fixed latency. The EX-4.5r-c GigE is the fastest 4.5 GHz microwave radio on the market.



CPN	Description	UOM	List Price
E4520A1	4.5 GHz ODU terminal, 110 Mbps + 0xT1/E1 expandable to 440 Mbps + 4xT1/E1; external antenna; includes AC adapter, PoE injector, accessory kit and mounting kit	Terminal	\$9,395.00
E4520A2	OBSOLETE CPN 4.5 GHz ODU complete hop, 110 Mbps + 0xT1/E1 expandable to 440 Mbps + 4xT1/E1; external antenna; includes AC adapters, PoE injector, accessory kit and mounting kit	Hop	\$19,990.00

Upgrades			EX-4.5r-c GigE
K00F4520A1	Upgrade Key, single terminal, EX-4.5r-c GigE 110 Mbps to 220 Mbps	Each	\$750.00
K00G4520A1	Upgrade Key, single terminal, EX-4.5r-c GigE 0xT1/E1 to 4xT1/E1	Each	\$500.00
K00J4520A1	Upgrade Key, single terminal, EX-4.5r-c GigE 220 Mbps to 440 Mbps	Each	\$1,500.00
K0104520A1	Upgrade Key, single terminal, EX-4.5r-c GigE 110 Mbps to 440 Mbps	Each	\$2,250.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories			EX-4.5r-c GigE
A200492	SPARE accessory kit (EX-r Series v2/3 and GigE). Includes grounding hardware, weather-proofing tape, RSL voltage cable and lifting eye hardware.	Each	\$100.00
A201348	SPARE GigE power injector (EX-r Series GigE)	Each	\$120.00
A201560	SPARE EX-r Series and EX-s Series 100W AC Adapter	Each	\$189.00
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
A93000126	SPARE Mounting kit for Ex-r Series with external antenna connectors, single terminal	Each	\$119.00

Extended Support			EX-4.5r-c GigE
S001T02	1-year warranty extension, single GigE terminal	Each	\$1,020.00
S002T02	3-year warranty extension, single GigE terminal	Each	\$1,950.00
S003T02	1-year advanced replacement & emergency support, single GigE terminal	Each	\$1,500.00
S004T02	2-year advanced replacement & emergency support, single GigE terminal	Each	\$2,400.00
S005T02	3-year advanced replacement & emergency support, single GigE terminal	Each	\$2,850.00
S006T02	5-year advanced replacement & emergency support, single GigE terminal	Each	\$3,300.00
S007T02	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single GigE terminal	Each	\$4,800.00

EX-5r-c-GigE

Base Capacity: 220 Mbps + 0xT1/E1

Max Capacity: 440 Mbps + 4xT1/E1

Tri-Band 5 GHz Microwave Backhaul Radio with 1000BaseT

Ultra-high performance, all-outdoor, carrier-class 5 GHz TDD microwave radio for service providers and mobile operators. Features include native TDM and native Ethernet, guaranteed link availability and user throughput, software upgradeable capacity and low, fixed latency. The EX-5r-c GigE is the fastest 5 GHz microwave radio on the market.



CPN	Description	UOM	List Price
E5820A1	5 GHz tri-band ODU terminal, 220 Mbps + 0xT1/E1 expandable to 440 Mbps + 4xT1/E1; external antenna; includes AC adapter, PoE injector, accessory kit and mounting kit	Terminal	\$8,110.00
E5820A2	OBSOLETE CPN 5 GHz tri-band ODU complete hop, 220 Mbps + 0xT1/E1 expandable to 440 Mbps + 4xT1/E1; external antenna; includes AC adapters, PoE injectors, accessory kits and mounting kits	Hop	\$19,425.00

Upgrades			EX-5r-c-GigE
K00G5820A1	Upgrade key, single terminal, EX-5r-c GigE 0xT1/E1 to 4xT1/E1	Each	\$500.00
K00J5820A1	Upgrade key, single terminal, EX-5r-c GigE, 220 Mbps to 440 Mbps	Each	\$1,500.00
K0155820A1	Upgrade Key, EX-5r-c GigE, single terminal, 0xT1/E1 to 2xT1/E1	Each	\$250.00
K0175820A1	Upgrade Key, EX-5r-c GigE, single terminal, 2xT1/E1 to 4xT1/E1	Each	\$250.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories			EX-5r-c-GigE
A100462	Capacity Expansion Kit for 5+ 6 GHz capacity upgrade -single terminal	Each	\$1,250.00
A100480	CPR-137 waveguide to N (F) adapters (set of 2) for use with 5+6 GHz Capacity Expansion kit	Each	\$550.00
A200492	SPARE accessory kit (EX-r Series v2/3 and GigE). Includes grounding hardware, weather-proofing tape, RSL voltage cable and lifting eye hardware.	Each	\$100.00
A201348	SPARE GigE power injector (EX-r Series GigE)	Each	\$120.00
A201560	SPARE EX-r Series and EX-s Series 100W AC Adapter	Each	\$189.00
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
A93000126	SPARE Mounting kit for Ex-r Series with external antenna connectors, single terminal	Each	\$119.00

Extended Support			EX-5r-c-GigE
S001T02	1-year warranty extension, single GigE terminal	Each	\$1,020.00
S002T02	3-year warranty extension, single GigE terminal	Each	\$1,950.00
S003T02	1-year advanced replacement & emergency support, single GigE terminal	Each	\$1,500.00
S004T02	2-year advanced replacement & emergency support, single GigE terminal	Each	\$2,400.00
S005T02	3-year advanced replacement & emergency support, single GigE terminal	Each	\$2,850.00
S006T02	5-year advanced replacement & emergency support, single GigE terminal	Each	\$3,300.00
S007T02	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single GigE terminal	Each	\$4,800.00

EX-5r-GigE

Base Capacity: 220 Mbps + 0xT1/E1

Max Capacity: 440 Mbps + 4xT1/E1

Tri-Band 5 GHz Microwave Backhaul Radio with 1000BaseT

Ultra-high performance, all-outdoor, carrier-class 5 GHz TDD microwave radio for service providers and mobile operators. Features include native TDM and native Ethernet, guaranteed link availability and user throughput, software upgradeable capacity and low, fixed latency. The EX-5r GigE is the fastest 5 GHz microwave radio on the market.



CPN	Description	UOM	List Price
E5810A1	5 GHz tri-band ODU terminal, 220 Mbps + 0xT1/E1 expandable to 440 Mbps + 4xT1/E1; integrated antenna; includes AC adapter, PoE injector, accessory kit and mounting kit	Terminal	\$8,395.00
E5810A2	OBSOLETE CPN 5 GHz tri-band ODU complete hop, 220 Mbps + 0xT1/E1 expandable to 440 Mbps + 4xT1/E1; integrated antenna; includes AC adapters, PoE injectors, accessory kits and mounting kits	Hop	\$19,995.00

Upgrades EX-5r-GigE

K00G5810A1	Upgrade key, single terminal, EX-5r GigE 0xT1/E1 to 4xT1/E1	Each	\$500.00
K00J5810A1	Upgrade key, single terminal, EX-5r GigE, 220 Mbps to 440 Mbps	Each	\$3,000.00
K0155810A1	Upgrade Key, EX-5r GigE, single terminal, 0xT1/E1 to 2xT1/E1	Each	\$250.00
K0175810A1	Upgrade Key, EX-5r GigE, single terminal, 2xT1/E1 to 4xT1/E1	Each	\$250.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00

Accessories EX-5r-GigE

A200492	SPARE accessory kit (EX-r Series v2/3 and GigE). Includes grounding hardware, weather-proofing tape, RSL voltage cable and lifting eye hardware.	Each	\$100.00
A201348	SPARE GigE power injector (EX-r Series GigE)	Each	\$120.00
A201560	SPARE EX-r Series and EX-s Series 100W AC Adapter	Each	\$189.00
A201695	GPS Kit (EX-r Series version 2/3 and ExtendAir, receiver, mounting bracket)	Each	\$500.00
A201696	GPS kit (EX-r Series version 2/3 and ExtendAir, 5 pack)	Each	\$2,000.00
A201697	GPS kit (EX-r Series version 2/3 and ExtendAir, 10 pack)	Each	\$4,000.00
A93000108	SPARE mounting kit for EX-r Series and ExtendAir radios with integrated antenna, single terminal	Each	\$139.00

Extended Support EX-5r-GigE

S001T02	1-year warranty extension, single GigE terminal	Each	\$1,020.00
S002T02	3-year warranty extension, single GigE terminal	Each	\$1,950.00
S003T02	1-year advanced replacement & emergency support, single GigE terminal	Each	\$1,500.00
S004T02	2-year advanced replacement & emergency support, single GigE terminal	Each	\$2,400.00
S005T02	3-year advanced replacement & emergency support, single GigE terminal	Each	\$2,850.00
S006T02	5-year advanced replacement & emergency support, single GigE terminal	Each	\$3,300.00
S007T02	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), single GigE terminal	Each	\$4,800.00

EX-11s

Base Capacity: 45 Mbps full-duplex + 0xT1/E1

Max Capacity: 100 Mbps full-duplex + 4xT1/E1

11 GHz Fast Ethernet Point-to-Point Microwave Radio

Split-mount, carrier-class 11 GHz microwave radio for mobile operators. Features include native TDM and native Ethernet, software upgradeable capacity, SNMP v3 for secure management and optional 128-bit and 256-bit AES encryption.



CPN	Description	UOM	List Price
E00001F	<i>DISCONTINUED: 4-100F IDU, FCC single terminal. 15 Mbps on 18/23 GHz or 45 Mbps on 11 GHz; 10/100BaseT+0xT1/E1 expandable to 4xT1/E1; includes AC</i>		

ODUs			EX-11s	
EA13F1H	11 GHz ODU FCC, BAND EDGES (11.165-11.345 GHz), TR490 B1 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00	
EA13F1L	11 GHz ODU FCC, BAND EDGES (10.675-10.855 GHz), TR490 B1 , Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00	
EA13F2H	11 GHz ODU FCC, BAND EDGES (11.285-11.465 GHz), TR490 B2, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00	
EA13F2L	11 GHz ODU FCC, BAND EDGES (10.795-10.975 GHz), TR490 B2, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00	
EA13F3H	11 GHz ODU FCC, BAND EDGES (11.405-11.585 GHz), TR490 B3, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00	
EA13F3L	11 GHz ODU FCC, BAND EDGES (10.915-11.095 GHz), TR490 B3 , Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00	
EA13F4H	11 GHz ODU FCC, BAND EDGES (11.525-11.705 GHz), TR490 B4, Hi, standard capacity 30MHz/128QAM	Each	\$3,000.00	
EA13F4L	11 GHz ODU FCC, BAND EDGES (11.035-11.215 GHz), TR490 B4 ,Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00	

Upgrades			EX-11s	
K00G00001X	Upgrade Key, single terminal EX-s IDU, 0xT1/E1 to 4xT1/E1	Each	\$750.00	
K00Z00001X	Upgrade Key, single terminal EX-11s IDU, 45 Mbps to 100 Mbps	Each	\$1,000.00	
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00	
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00	
K01J00001X	EX-s Series 4-100 IDU Monitored Hot Standby (MHS) software license key, single IDU	Each	\$1,299.00	

Accessories			EX-11s	
A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each	\$50.00	
A201260	EX-s Series Monitored Hot Standby (MHS) Kit. Single endpoint, Includes management control cabling. Does not include second IDU, ODU, Hot Standby Coupler, T1/E1 protection cables or IF cabling (order separately).	Each	\$129.00	
A201560	SPARE EX-r Series and EX-s Series 100W AC Adapter	Each	\$189.00	
A930102	SPARE accessory kit for EX-i Series and EX-s Series IDUs. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00	



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Exalt Products

Extended Support			EX-11s
S001T02-IDU	1-year warranty extension, EX-s Series, single IDU	Each	\$510.00
S001T02-ODU	1-year warranty extension, EX-s Series, single ODU	Each	\$510.00
S002T02-IDU	3-year warranty extension, EX-s Series, single IDU	Each	\$975.00
S002T02-ODU	3-year warranty extension, EX-s Series, single ODU	Each	\$975.00
S003T02-IDU	1-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$750.00
S003T02-ODU	1-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$750.00
S004T02-IDU	2-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$1,200.00
S004T02-ODU	2-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$1,200.00
S005T02-IDU	3-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$1,425.00
S005T02-ODU	3-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$1,425.00
S006T02-IDU	5-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$1,650.00
S006T02-ODU	5-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$1,650.00
S007T02-IDU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series, single IDU	Each	\$2,400.00
S007T02-ODU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series, single ODU	Each	\$2,400.00

EX-11s-16

Base Capacity: 45 Mbps full-duplex+ 0xT1/E1

Max Capacity: 100 Mbps full-duplex + 16xT1/E1

11 GHz Fast Ethernet Microwave Backhaul Radio

Split-mount, carrier-class 11 GHz microwave radio for mobile operators. Features include native TDM and native Ethernet, software upgradeable capacity, SNMP v3 for secure management and optional 128-bit and 256-bit AES encryption.



CPN	Description	UOM	List Price
E00011F	<i>DISCONTINUED: 16-100F IDU, FCC single terminal, 15 Mbps (18/23 GHz) or 45 Mbps (11GHz) + 0xT1/E1 expandable to 16xT1/E1; includes AC adapter and rack</i>		

ODUs			EX-11s-16
EA13F1H	11 GHz ODU FCC, BAND EDGES (11.165-11.345 GHz), TR490 B1 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F1L	11 GHz ODU FCC, BAND EDGES (10.675-10.855 GHz), TR490 B1 , Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F2H	11 GHz ODU FCC, BAND EDGES (11.285-11.465 GHz), TR490 B2, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F2L	11 GHz ODU FCC, BAND EDGES (10.795-10.975 GHz), TR490 B2, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F3H	11 GHz ODU FCC, BAND EDGES (11.405-11.585 GHz), TR490 B3, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F3L	11 GHz ODU FCC, BAND EDGES (10.915-11.095 GHz), TR490 B3 , Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F4H	11 GHz ODU FCC, BAND EDGES (11.525-11.705 GHz), TR490 B4, Hi, standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F4L	11 GHz ODU FCC, BAND EDGES (11.035-11.215 GHz), TR490 B4 ,Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00

Upgrades			EX-11s-16
K00200011X	Upgrade Key, single terminal EX-s-16 IDU, 4xT1/E1 to 8xT1/E1;	Each	\$750.00
K00300011X	Upgrade Key, single terminal EX-s-16 IDU, 4xT1/E1 to 12xT1/E1	Each	\$1,500.00
K00400011X	Upgrade Key, single terminal EX-s-16 IDU, 4xT1/E1 to 16xT1/E1	Each	\$2,250.00
K00500011X	Upgrade Key, single terminal EX-s-16 IDU, 8xT1/E1 to 12xT1/E1	Each	\$750.00
K00600011X	Upgrade Key, single terminal EX-s-16 IDU, 8xT1/E1 to 16xT1/E1	Each	\$1,500.00
K00700011X	Upgrade Key, single terminal EX-s-16 IDU, 12xT1/E1 to 16xT1/E1	Each	\$750.00
K00G00011X	Upgrade Key, single terminal EX-s-16 IDU, 0xT1/E1 to 4xT1/E1	Each	\$750.00
K00P00011X	Upgrade Key, single terminal EX-s-16 IDU, 0xT1/E1 to 8xT1/E1	Each	\$1,500.00
K00Q00011X	Upgrade Key, single terminal EX-s-16 IDU, 0xT1/E1 to 12xT1/E1	Each	\$2,250.00
K00R00011X	Upgrade Key, single terminal EX-s-16 IDU, 0xT1/E1 to 16xT1/E1	Each	\$3,000.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
K01J00011X	EX-s Series 16-100 IDU Monitored Hot Standby (MHS) software license key, single IDU	Each	\$1,299.00



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Exalt Products

Accessories			EX-11s-16
A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each	\$50.00
A201260	EX-s Series Monitored Hot Standby (MHS) Kit. Single endpoint, Includes management control cabling. Does not include second IDU, ODU, Hot Standby Coupler, T1/E1 protection cables or IF cabling (order separately).	Each	\$129.00
A201560	SPARE EX-r Series and EX-s Series 100W AC Adapter	Each	\$189.00
A93000134	SPARE accessory Kit for EX-i-16 and EX-s-16 IDUs. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00
Extended Support			EX-11s-16
S001T02-IDU	1-year warranty extension, EX-s Series, single IDU	Each	\$510.00
S001T02-ODU	1-year warranty extension, EX-s Series, single ODU	Each	\$510.00
S002T02-IDU	3-year warranty extension, EX-s Series, single IDU	Each	\$975.00
S002T02-ODU	3-year warranty extension, EX-s Series, single ODU	Each	\$975.00
S003T02-IDU	1-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$750.00
S003T02-ODU	1-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$750.00
S004T02-IDU	2-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$1,200.00
S004T02-ODU	2-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$1,200.00
S005T02-IDU	3-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$1,425.00
S005T02-ODU	3-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$1,425.00
S006T02-IDU	5-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$1,650.00
S006T02-ODU	5-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$1,650.00
S007T02-IDU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series, single IDU	Each	\$2,400.00
S007T02-ODU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series, single ODU	Each	\$2,400.00

EX-18s

Base Capacity: 15 Mbps full-duplex + 0xT1/E1

Max Capacity: 100 Mbps full-duplex + 4xT1/E1

18 GHz Fast Ethernet Point-to-Point Microwave Radio

Split-mount, carrier-class 18 GHz microwave radio for enterprises and government and public safety organizations. Features include native TDM and native Ethernet, software upgradeable capacity, SNMP v3 for secure management and optional 128-bit and 256-bit AES encryption.



CPN	Description	UOM	List Price
<i>E00001F</i>	<i>DISCONTINUED: 4-100F IDU, FCC single terminal. 15 Mbps on 18/23 GHz or 45 Mbps on 11 GHz; 10/100BaseT+0xT1/E1 expandable to 4xT1/E1; includes AC</i>		

ODUs			EX-18s
EA83F3H	18 GHz ODU FCC, BAND EDGES (19.260-19.700 GHz), TR1560, B3 Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA83F3L	18 GHz ODU FCC, BAND EDGES (17.700-18.140 GHz), TR1560, B3 Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00

Upgrades			EX-18s
K00G00001X	Upgrade Key, single terminal EX-s IDU, 0xT1/E1 to 4xT1/E1	Each	\$750.00
K00T00001X	Upgrade Key, single terminal EX-s IDU, 15 Mbps to 30 Mbps	Each	\$500.00
K00U00001X	Upgrade Key, single terminal EX-s IDU, 15 Mbps to 60 Mbps	Each	\$1,000.00
K00V00001X	Upgrade Key, single terminal EX-s IDU, 15 Mbps to 100 Mbps	Each	\$1,500.00
K00W00001X	Upgrade Key, single terminal EX-s IDU, 30 Mbps to 60 Mbps	Each	\$500.00
K00X00001X	Upgrade Key, single terminal EX-s IDU, 30 Mbps to 100 Mbps	Each	\$1,000.00
K00Y00001X	Upgrade Key, single terminal EX-s IDU, 60 Mbps to 100 Mbps	Each	\$500.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
K01J00001X	EX-s Series 4-100 IDU Monitored Hot Standby (MHS) software license key, single IDU	Each	\$1,299.00

Accessories			EX-18s
A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each	\$50.00
A201260	EX-s Series Monitored Hot Standby (MHS) Kit. Single endpoint, Includes management control cabling. Does not include second IDU, ODU, Hot Standby Coupler, T1/E1 protection cables or IF cabling (order separately).	Each	\$129.00
A201560	SPARE EX-r Series and EX-s Series 100W AC Adapter	Each	\$189.00
A930102	SPARE accessory kit for EX-i Series and EX-s Series IDUs. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00



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Exalt Products

Extended Support			EX-18s
S001T02-IDU	1-year warranty extension, EX-s Series, single IDU	Each	\$510.00
S001T02-ODU	1-year warranty extension, EX-s Series, single ODU	Each	\$510.00
S002T02-IDU	3-year warranty extension, EX-s Series, single IDU	Each	\$975.00
S002T02-ODU	3-year warranty extension, EX-s Series, single ODU	Each	\$975.00
S003T02-IDU	1-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$750.00
S003T02-ODU	1-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$750.00
S004T02-IDU	2-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$1,200.00
S004T02-ODU	2-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$1,200.00
S005T02-IDU	3-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$1,425.00
S005T02-ODU	3-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$1,425.00
S006T02-IDU	5-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$1,650.00
S006T02-ODU	5-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$1,650.00
S007T02-IDU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series, single IDU	Each	\$2,400.00
S007T02-ODU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series, single ODU	Each	\$2,400.00

EX-s Series

EX-18s-16

Base Capacity: 15 Mbps full-duplex + 0xT1/E1

Max Capacity: 100 Mbps full-duplex + 16xT1/E1

18 GHz Fast Ethernet Microwave Backhaul Radio

Split-mount, carrier-class 18 GHz microwave radio for mobile operators. Features include native TDM and native Ethernet, software upgradeable capacity, SNMP v3 for secure management and optional 128-bit and 256-bit AES encryption.



CPN	Description	UOM	List Price
<i>E00011F</i>	<i>DISCONTINUED: 16-100F IDU, FCC single terminal, 15 Mbps (18/23 GHz) or 45 Mbps (11GHz) + 0xT1/E1 expandable to 16xT1/E1; includes AC adapter and rack</i>		

ODUs EX-18s-16

EA83F3H	18 GHz ODU FCC, BAND EDGES (19.260-19.700 GHz), TR1560, B3 Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA83F3L	18 GHz ODU FCC, BAND EDGES (17.700-18.140 GHz), TR1560, B3 Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00

Upgrades EX-18s-16

K00200011X	Upgrade Key, single terminal EX-s-16 IDU, 4xT1/E1 to 8xT1/E1;	Each	\$750.00
K00300011X	Upgrade Key, single terminal EX-s-16 IDU, 4xT1/E1 to 12xT1/E1	Each	\$1,500.00
K00400011X	Upgrade Key, single terminal EX-s-16 IDU, 4xT1/E1 to 16xT1/E1	Each	\$2,250.00
K00500011X	Upgrade Key, single terminal EX-s-16 IDU, 8xT1/E1 to 12xT1/E1	Each	\$750.00
K00600011X	Upgrade Key, single terminal EX-s-16 IDU, 8xT1/E1 to 16xT1/E1	Each	\$1,500.00
K00700011X	Upgrade Key, single terminal EX-s-16 IDU, 12xT1/E1 to 16xT1/E1	Each	\$750.00
K00G00011X	Upgrade Key, single terminal EX-s-16 IDU, 0xT1/E1 to 4xT1/E1	Each	\$750.00
K00P00011X	Upgrade Key, single terminal EX-s-16 IDU, 0xT1/E1 to 8xT1/E1	Each	\$1,500.00
K00Q00011X	Upgrade Key, single terminal EX-s-16 IDU, 0xT1/E1 to 12xT1/E1	Each	\$2,250.00
K00R00011X	Upgrade Key, single terminal EX-s-16 IDU, 0xT1/E1 to 16xT1/E1	Each	\$3,000.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
K01J00011X	EX-s Series 16-100 IDU Monitored Hot Standby (MHS) software license key, single IDU	Each	\$1,299.00

Accessories EX-18s-16

A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each	\$50.00
A201260	EX-s Series Monitored Hot Standby (MHS) Kit. Single endpoint, Includes management control cabling. Does not include second IDU, ODU, Hot Standby Coupler, T1/E1 protection cables or IF cabling (order separately).	Each	\$129.00
A201560	SPARE EX-r Series and EX-s Series 100W AC Adapter	Each	\$189.00
A93000134	SPARE accessory Kit for EX-i-16 and EX-s-16 IDUs. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00



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Exalt Products

Extended Support			EX-18s-16
S001T02-IDU	1-year warranty extension, EX-s Series, single IDU	Each	\$510.00
S001T02-ODU	1-year warranty extension, EX-s Series, single ODU	Each	\$510.00
S002T02-IDU	3-year warranty extension, EX-s Series, single IDU	Each	\$975.00
S002T02-ODU	3-year warranty extension, EX-s Series, single ODU	Each	\$975.00
S003T02-IDU	1-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$750.00
S003T02-ODU	1-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$750.00
S004T02-IDU	2-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$1,200.00
S004T02-ODU	2-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$1,200.00
S005T02-IDU	3-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$1,425.00
S005T02-ODU	3-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$1,425.00
S006T02-IDU	5-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$1,650.00
S006T02-ODU	5-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$1,650.00
S007T02-IDU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series, single IDU	Each	\$2,400.00
S007T02-ODU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series, single ODU	Each	\$2,400.00

EX-23s

Base Capacity: 15 Mbps full-duplex + 0xT1/E1

Max Capacity: 100 Mbps full-duplex + 4xT1/E1

23 GHz Fast Ethernet Point-to-Point Microwave Radio

Split-mount, carrier-class 23 GHz microwave radio for enterprises and government and public safety organizations. Features include native TDM and native Ethernet, software upgradeable capacity, SNMP v3 for secure management and optional 128-bit and 256-bit AES encryption.



CPN	Description	UOM	List Price
<i>E00001F</i>	<i>DISCONTINUED: 4-100F IDU, FCC single terminal. 15 Mbps on 18/23 GHz or 45 Mbps on 11 GHz; 10/100BaseT+0xT1/E1 expandable to 4xT1/E1; includes AC</i>		

ODUs			EX-23s
EB33F1H	23 GHz ODU FCC, BAND EDGES (22.400-22.730 GHz), TR1200 B1, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F1L	23 GHz ODU FCC, BAND EDGES (21.200-21.530 GHz), TR1200 B1 , Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F2H	23 GHz ODU FCC, BAND EDGES (22.690-23.020 GHz), TR1200 B2, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F2L	23 GHz ODU FCC, BAND EDGES (21.490-21.820 GHz), TR1200 B2, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F3H	23 GHz ODU FCC, BAND EDGES (22.980-23.310 GHz), TR1200 B3, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F3L	23 GHz ODU FCC, BAND EDGES (21.780-22.110 GHz), TR1200 B3, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F4H	23 GHz ODU FCC, BAND EDGES (23.270-23.600 GHz), TR1200 B4, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F4L	23 GHz ODU FCC, BAND EDGES (22.070-22.400 GHz), TR1200 B4, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00

Upgrades			EX-23s
K00G00001X	Upgrade Key, single terminal EX-s IDU, 0xT1/E1 to 4xT1/E1	Each	\$750.00
K00T00001X	Upgrade Key, single terminal EX-s IDU, 15 Mbps to 30 Mbps	Each	\$500.00
K00U00001X	Upgrade Key, single terminal EX-s IDU, 15 Mbps to 60 Mbps	Each	\$1,000.00
K00V00001X	Upgrade Key, single terminal EX-s IDU, 15 Mbps to 100 Mbps	Each	\$1,500.00
K00W00001X	Upgrade Key, single terminal EX-s IDU, 30 Mbps to 60 Mbps	Each	\$500.00
K00X00001X	Upgrade Key, single terminal EX-s IDU, 30 Mbps to 100 Mbps	Each	\$1,000.00
K00Y00001X	Upgrade Key, single terminal EX-s IDU, 60 Mbps to 100 Mbps	Each	\$500.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
K01J00001X	EX-s Series 4-100 IDU Monitored Hot Standby (MHS) software license key, single IDU	Each	\$1,299.00

Accessories			EX-23s
A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each	\$50.00
A201260	EX-s Series Monitored Hot Standby (MHS) Kit. Single endpoint, Includes management control cabling. Does not include second IDU, ODU, Hot Standby Coupler, T1/E1 protection cables or IF cabling (order separately).	Each	\$129.00
A201560	SPARE EX-r Series and EX-s Series 100W AC Adapter	Each	\$189.00
A930102	SPARE accessory kit for EX-i Series and EX-s Series IDUs. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00



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Exalt Products

Extended Support			EX-23s
S001T02-IDU	1-year warranty extension, EX-s Series, single IDU	Each	\$510.00
S001T02-ODU	1-year warranty extension, EX-s Series, single ODU	Each	\$510.00
S002T02-IDU	3-year warranty extension, EX-s Series, single IDU	Each	\$975.00
S002T02-ODU	3-year warranty extension, EX-s Series, single ODU	Each	\$975.00
S003T02-IDU	1-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$750.00
S003T02-ODU	1-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$750.00
S004T02-IDU	2-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$1,200.00
S004T02-ODU	2-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$1,200.00
S005T02-IDU	3-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$1,425.00
S005T02-ODU	3-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$1,425.00
S006T02-IDU	5-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$1,650.00
S006T02-ODU	5-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$1,650.00
S007T02-IDU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series, single IDU	Each	\$2,400.00
S007T02-ODU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series, single ODU	Each	\$2,400.00

EX-23s-16

Base Capacity: 15 Mbps + 0xT1/E1

Max Capacity: 100 Mbps + 16xT1/E1

23 GHz Fast Ethernet Microwave Backhaul Radio

Split-mount, carrier-class 23 GHz microwave radio for mobile operators. Features include native TDM and native Ethernet, software upgradeable capacity, SNMP v3 for secure management and optional 128-bit and 256-bit AES encryption.



CPN	Description	UOM	List Price
E00011F	<i>DISCONTINUED: 16-100F IDU, FCC single terminal, 15 Mbps (18/23 GHz) or 45 Mbps (11GHz) + 0xT1/E1 expandable to 16xT1/E1; includes AC adapter and rack</i>		

ODUs			EX-23s-16
EB33F1H	23 GHz ODU FCC, BAND EDGES (22.400-22.730 GHz), TR1200 B1, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F1L	23 GHz ODU FCC, BAND EDGES (21.200-21.530 GHz), TR1200 B1, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F2H	23 GHz ODU FCC, BAND EDGES (22.690-23.020 GHz), TR1200 B2, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F2L	23 GHz ODU FCC, BAND EDGES (21.490-21.820 GHz), TR1200 B2, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F3H	23 GHz ODU FCC, BAND EDGES (22.980-23.310 GHz), TR1200 B3, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F3L	23 GHz ODU FCC, BAND EDGES (21.780-22.110 GHz), TR1200 B3, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F4H	23 GHz ODU FCC, BAND EDGES (23.270-23.600 GHz), TR1200 B4, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F4L	23 GHz ODU FCC, BAND EDGES (22.070-22.400 GHz), TR1200 B4, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00

Upgrades			EX-23s-16
K00200011X	Upgrade Key, single terminal EX-s-16 IDU, 4xT1/E1 to 8xT1/E1;	Each	\$750.00
K00300011X	Upgrade Key, single terminal EX-s-16 IDU, 4xT1/E1 to 12xT1/E1	Each	\$1,500.00
K00400011X	Upgrade Key, single terminal EX-s-16 IDU, 4xT1/E1 to 16xT1/E1	Each	\$2,250.00
K00500011X	Upgrade Key, single terminal EX-s-16 IDU, 8xT1/E1 to 12xT1/E1	Each	\$750.00
K00600011X	Upgrade Key, single terminal EX-s-16 IDU, 8xT1/E1 to 16xT1/E1	Each	\$1,500.00
K00700011X	Upgrade Key, single terminal EX-s-16 IDU, 12xT1/E1 to 16xT1/E1	Each	\$750.00
K00G00011X	Upgrade Key, single terminal EX-s-16 IDU, 0xT1/E1 to 4xT1/E1	Each	\$750.00
K00P00011X	Upgrade Key, single terminal EX-s-16 IDU, 0xT1/E1 to 8xT1/E1	Each	\$1,500.00
K00Q00011X	Upgrade Key, single terminal EX-s-16 IDU, 0xT1/E1 to 12xT1/E1	Each	\$2,250.00
K00R00011X	Upgrade Key, single terminal EX-s-16 IDU, 0xT1/E1 to 16xT1/E1	Each	\$3,000.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
K01J00011X	EX-s Series 16-100 IDU Monitored Hot Standby (MHS) software license key, single IDU	Each	\$1,299.00



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Accessories			EX-23s-16
A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each	\$50.00
A201260	EX-s Series Monitored Hot Standby (MHS) Kit. Single endpoint, Includes management control cabling. Does not include second IDU, ODU, Hot Standby Coupler, T1/E1 protection cables or IF cabling (order separately).	Each	\$129.00
A201560	SPARE EX-r Series and EX-s Series 100W AC Adapter	Each	\$189.00
A93000134	SPARE accessory Kit for EX-i-16 and EX-s-16 IDUs. Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00
Extended Support			EX-23s-16
S001T02-IDU	1-year warranty extension, EX-s Series, single IDU	Each	\$510.00
S001T02-ODU	1-year warranty extension, EX-s Series, single ODU	Each	\$510.00
S002T02-IDU	3-year warranty extension, EX-s Series, single IDU	Each	\$975.00
S002T02-ODU	3-year warranty extension, EX-s Series, single ODU	Each	\$975.00
S003T02-IDU	1-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$750.00
S003T02-ODU	1-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$750.00
S004T02-IDU	2-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$1,200.00
S004T02-ODU	2-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$1,200.00
S005T02-IDU	3-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$1,425.00
S005T02-ODU	3-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$1,425.00
S006T02-IDU	5-year advanced replacement & emergency support, EX-s Series, single IDU	Each	\$1,650.00
S006T02-ODU	5-year advanced replacement & emergency support, EX-s Series, single ODU	Each	\$1,650.00
S007T02-IDU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series, single IDU	Each	\$2,400.00
S007T02-ODU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series, single ODU	Each	\$2,400.00

EX-s Series GigE only (FCC)

Base Capacity: 50 Mbps full-duplex

Max Capacity: 315 Mbps full-duplex

Gigabit Ethernet Microwave Backhaul Radio for FCC licensed

Split-mount, carrier-class, upgradeable licensed-band systems for medium and high capacity Ethernet backhaul applications. Features include native gigabit Ethernet, adaptive modulation, capacity aggregation, advanced data networking and high security. FCC IDU models.



CPN	Description	UOM	List Price
E00091F	1000F GigE IDU - FCC, single terminal, 50 Mbps expandable up to 315 Mbps; - 48VDC	Terminal	\$2,810.00



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Exalt Products

ODUs	EX-s Series GigE only (FCC)
E11SR0490AH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND A High (EDGES 11.200-11.390 GHz), high capacity 50 MHz/256 QAM
E11SR0490AL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND A Low (EDGES 10.700-10.890 GHz), high capacity 50 MHz/256 QAM
E11SR0490BH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND B High (EDGES 11.355-11.545 GHz), high capacity 50 MHz/256 QAM
E11SR0490BL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND B Low (EDGES 10.855-11.045 GHz), high capacity 50 MHz/256 QAM
E11SR0490CH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND C High (EDGES 11.510-11.700 GHz), high capacity 50 MHz/256 QAM
E11SR0490CL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND C Low (EDGES 11.010-11.200 GHz), high capacity 50 MHz/256 QAM
E11SR0490DH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND D High (EDGES 11.525-11.705 GHz), high capacity 50 MHz/256 QAM
E11SR0490DL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND D Low (EDGES 11.035-11.215 GHz), high capacity 50 MHz/256 QAM
E18SR1560CH	18 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1560 MHz, BAND C High (EDGES 19.260-19.700 GHz), high capacity 50 MHz/256 QAM
E18SR1560CL	18 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1560 MHz, BAND C Low (EDGES 17.700-18.140 GHz), high capacity 50 MHz/256 QAM
E23SR1200AH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND A High (EDGES 22.400-22.730 GHz), high capacity 50 MHz/256 QAM
E23SR1200AL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND A Low (EDGES 21.200-21.530 GHz), high capacity 50 MHz/256 QAM
E23SR1200BH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND B High (EDGES 22.690-23.020 GHz), high capacity 50 MHz/256 QAM
E23SR1200BL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND B Low (EDGES 21.490-21.820 GHz), high capacity 50 MHz/256 QAM
E23SR1200CH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND C High (EDGES 22.980-23.310 GHz), high capacity 50 MHz/256 QAM
E23SR1200CL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND C Low (EDGES 21.780-22.110 GHz), high capacity 50 MHz/256 QAM
E23SR1200DH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND D High (EDGES 23.270-23.600 GHz), high capacity 50 MHz/256 QAM
E23SR1200DL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND D Low (EDGES 22.070-22.400 GHz), high capacity 50 MHz/256 QAM
E383F1H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.295-39.505 GHz), TR700 B1 , Hi; standard capacity 30MHz/128QAM
E383F1L	38 GHz ODU, s-Series GigE FCC, BAND EDGES (38.595-38.805 GHz), TR700 B1 , Low; standard capacity 30MHz/128QAM



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E383F2H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.495-39.705 GHz), TR700 B2 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F2L	38 GHz ODU, s-Series GigE FCC, BAND EDGES 38.795-39.005 GHz), TR700 B2 ,Low; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F3H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.695-39.905 GHz), TR700 B3 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F3L	38 GHz ODU, s-Series GigE FCC, BAND EDGES (38.995-39.205 GHz), TR700 B3 , Low; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F4H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.895-40.105 GHz), TR700 B4 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F4L	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.145-39.405 GHz), TR700 B4 , Low; standard capacity 30MHz/128QAM	Each	\$3,000.00
E604F1H	Lower 6 GHz ODU FCC, BAND EDGES (6.175-6.275 GHz), TR252.04 B1 , Hi; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F1L	Lower 6 GHz ODU FCC, BAND EDGES (5.925-6.025 GHz), TR252.04 B1 , Lo; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F2H	Lower 6 GHz ODU FCC, BAND EDGES (6.250-6.350 GHz), TR252.04 B2 , Hi; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F2L	Lower 6 GHz ODU FCC, BAND EDGES (6.000-6.100 GHz), TR252.04 B2 , Lo; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F3H	Lower 6 GHz ODU FCC, BAND EDGES (6.325-6.425 GHz), TR252.04 B3 , Hi; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F3L	Lower 6 GHz ODU FCC, BAND EDGES (6.075-6.175 GHz), TR252.04 B3 , Lo; high capacity 30MHz/256QAM	Each	\$5,210.00
EA13F1H	11 GHz ODU FCC, BAND EDGES (11.165-11.345 GHz), TR490 B1 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F1L	11 GHz ODU FCC, BAND EDGES (10.675-10.855 GHz), TR490 B1 , Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F2H	11 GHz ODU FCC, BAND EDGES (11.285-11.465 GHz), TR490 B2, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F2L	11 GHz ODU FCC, BAND EDGES (10.795-10.975 GHz), TR490 B2, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F3H	11 GHz ODU, FCC, BAND EDGES (11.405-11.585 GHz), TR490 B3, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F3L	11 GHz ODU FCC, BAND EDGES (10.915-11.095 GHz), TR490 B3 , Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F4H	11 GHz ODU FCC, BAND EDGES (11.525-11.705 GHz), TR490 B4, Hi, standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F4L	11 GHz ODU FCC, BAND EDGES (11.035-11.215 GHz), TR490 B4 ,Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA83F3H	18 GHz ODU FCC, BAND EDGES (19.260-19.700 GHz), TR1560, B3 Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA83F3L	18 GHz ODU FCC, BAND EDGES (17.700-18.140 GHz), TR1560, B3 Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F1H	23 GHz ODU FCC, BAND EDGES (22.400-22.730 GHz), TR1200 B1, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F1L	23 GHz ODU FCC, BAND EDGES (21.200-21.530 GHz), TR1200 B1 , Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F2H	23 GHz ODU FCC, BAND EDGES (22.690-23.020 GHz), TR1200 B2, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F2L	23 GHz ODU FCC, BAND EDGES (21.490-21.820 GHz), TR1200 B2, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F3H	23 GHz ODU FCC, BAND EDGES (22.980-23.310 GHz), TR1200 B3, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F3L	23 GHz ODU FCC, BAND EDGES (21.780-22.110 GHz), TR1200 B3, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F4H	23 GHz ODU FCC, BAND EDGES (23.270-23.600 GHz), TR1200 B4, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00



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EB33F4L	23 GHz ODU FCC, BAND EDGES (22.070-22.400 GHz), TR1200 B4, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
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Upgrades	EX-s Series GigE only (FCC)
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K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
K02F000X1X	Upgrade Key 50 to 100 Mbps, single terminal EX-s Series GigE IDU	Each	\$250.00
K02G000X1X	Upgrade Key 50 to 200 Mbps, single terminal EX-s Series GigE IDU	Each	\$1,000.00
K02H000X1X	Upgrade Key 50 to 300 Mbps, single terminal EX-s Series GigE IDU	Each	\$1,750.00
K02K000X1X	Upgrade Key 100 to 200 Mbps, single terminal EX-s Series GigE IDU	Each	\$750.00
K02L000X1X	Upgrade Key 100 to 300 Mbps, single terminal EX-s Series GigE IDU	Each	\$1,500.00
K02N000X1X	Upgrade Key 200 to 300 Mbps, single terminal EX-s Series GigE IDU	Each	\$750.00

Accessories	EX-s Series GigE only (FCC)
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AE000X1X	EX-s Series GigE AC Adapter. Must be ordered with EX-s Series GigE IDUs for AC power applications. Power adapter is NOT included with terminals.	Each	\$200.00
AE000X1X1	SPARE Accessory kit (EX-s Series GigE). Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00
AE000X1X3	EX-s Series GigE Monitored Hot Standby (MHS) Kit. Single endpoint, Includes management control cabling. Does not include second IDU, ODU, Hot Standby Coupler, T1/E1 or DS3 protection cables or IF cabling (order separately).	Each	\$129.00

Extended Support	EX-s Series GigE only (FCC)
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S001T03-IDU	1-year warranty extension, EX-s Series GigE, single IDU	Each	\$510.00
S001T03-ODU	1-year warranty extension, EX-s Series GigE, single ODU	Each	\$510.00
S002T03-IDU	3-year warranty extension, EX-s Series GigE, single IDU	Each	\$975.00
S002T03-ODU	3-year warranty extension, EX-s Series GigE, single ODU	Each	\$975.00
S003T03-IDU	1-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$750.00
S003T03-ODU	1-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$750.00
S004T03-IDU	2-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$1,200.00
S004T03-ODU	2-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$1,200.00
S005T03-IDU	3-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$1,425.00
S005T03-ODU	3-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$1,425.00
S006T03-IDU	5-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$1,650.00
S006T03-ODU	5-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$1,650.00
S007T03-IDU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series GigE, single IDU	Each	\$2,400.00
S007T03-ODU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series GigE, single ODU	Each	\$2,400.00

EX-s Series GigE+1xDS3+16xT1/E1 (FCC)

Base Capacity: 50 Mbps full-duplex + 0xDS3 + 0xT1/E1

Max Capacity: 315 Mbps full-duplex + 1xDS3 + 16xT1/E1

Gigabit Ethernet Microwave Backhaul Radio for FCC licensed

Split-mount, carrier-class, upgradeable licensed-band systems for medium and high capacity TDM and gigabit Ethernet backhaul applications. Features include native TDM and native gigabit Ethernet, adaptive modulation, capacity aggregation, advanced data networking and high security. FCC IDU models.



CPN	Description	UOM	List Price
E00061F	DS3/16-1000F GigE IDU, FCC single terminal, 50 Mbps + 0xDS3 + 0xT1/E1 expandable up to 315 Mbps + 1xDS3 + 16xT1/E1; +/-20-60VDC	Terminal	\$3,815.00



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ODUs	EX-s Series GigE+1xDS3+16xT1/E1 (FCC)		
E11SR0490AH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND A High (EDGES 11.200-11.390 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490AL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND A Low (EDGES 10.700-10.890 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490BH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND B High (EDGES 11.355-11.545 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490BL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND B Low (EDGES 10.855-11.045 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490CH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND C High (EDGES 11.510-11.700 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490CL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND C Low (EDGES 11.010-11.200 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E18SR1560CH	18 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1560 MHz, BAND C High (EDGES 19.260-19.700 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E18SR1560CL	18 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1560 MHz, BAND C Low (EDGES 17.700-18.140 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200AH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND A High (EDGES 22.400-22.730 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200AL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND A Low (EDGES 21.200-21.530 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200BH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND B High (EDGES 22.690-23.020 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200BL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND B Low (EDGES 21.490-21.820 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200CH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND C High (EDGES 22.980-23.310 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200CL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND C Low (EDGES 21.780-22.110 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200DH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND D High (EDGES 23.270-23.600 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200DL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND D Low (EDGES 22.070-22.400 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E383F1H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.295-39.505 GHz), TR700 B1 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F1L	38 GHz ODU, s-Series GigE FCC, BAND EDGES (38.595-38.805 GHz), TR700 B1 , Low; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F2H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.495-39.705 GHz), TR700 B2 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F2L	38 GHz ODU, s-Series GigE FCC, BAND EDGES 38.795-39.005 GHz), TR700 B2 ,Low; standard capacity 30MHz/128QAM	Each	\$3,000.00



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E383F3H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.695-39.905 GHz), TR700 B3 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F3L	38 GHz ODU, s-Series GigE FCC, BAND EDGES (38.995-39.205 GHz), TR700 B3 , Low; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F4H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.895-40.105 GHz), TR700 B4 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F4L	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.145-39.405 GHz), TR700 B4 , Low; standard capacity 30MHz/128QAM	Each	\$3,000.00
E604F1H	Lower 6 GHz ODU FCC, BAND EDGES (6.175-6.275 GHz), TR252.04 B1 , Hi; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F1L	Lower 6 GHz ODU FCC, BAND EDGES (5.925-6.025 GHz), TR252.04 B1 , Lo; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F2H	Lower 6 GHz ODU FCC, BAND EDGES (6.250-6.350 GHz), TR252.04 B2 , Hi; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F2L	Lower 6 GHz ODU FCC, BAND EDGES (6.000-6.100 GHz), TR252.04 B2 , Lo; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F3H	Lower 6 GHz ODU FCC, BAND EDGES (6.325-6.425 GHz), TR252.04 B3 , Hi; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F3L	Lower 6 GHz ODU FCC, BAND EDGES (6.075-6.175 GHz), TR252.04 B3 , Lo; high capacity 30MHz/256QAM	Each	\$5,210.00
EA13F1H	11 GHz ODU FCC, BAND EDGES (11.165-11.345 GHz), TR490 B1 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F1L	11 GHz ODU FCC, BAND EDGES (10.675-10.855 GHz), TR490 B1 , Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F2H	11 GHz ODU FCC, BAND EDGES (11.285-11.465 GHz), TR490 B2, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F2L	11 GHz ODU FCC, BAND EDGES (10.795-10.975 GHz), TR490 B2, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F3H	11 GHz ODU, FCC, BAND EDGES (11.405-11.585 GHz), TR490 B3, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F3L	11 GHz ODU FCC, BAND EDGES (10.915-11.095 GHz), TR490 B3 , Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F4H	11 GHz ODU FCC, BAND EDGES (11.525-11.705 GHz), TR490 B4, Hi, standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F4L	11 GHz ODU FCC, BAND EDGES (11.035-11.215 GHz), TR490 B4 ,Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA83F3H	18 GHz ODU FCC, BAND EDGES (19.260-19.700 GHz), TR1560, B3 Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA83F3L	18 GHz ODU FCC, BAND EDGES (17.700-18.140 GHz), TR1560, B3 Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F1H	23 GHz ODU FCC, BAND EDGES (22.400-22.730 GHz), TR1200 B1, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F1L	23 GHz ODU FCC, BAND EDGES (21.200-21.530 GHz), TR1200 B1 , Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F2H	23 GHz ODU FCC, BAND EDGES (22.690-23.020 GHz), TR1200 B2, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F2L	23 GHz ODU FCC, BAND EDGES (21.490-21.820 GHz), TR1200 B2, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F3H	23 GHz ODU FCC, BAND EDGES (22.980-23.310 GHz), TR1200 B3, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F3L	23 GHz ODU FCC, BAND EDGES (21.780-22.110 GHz), TR1200 B3, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F4H	23 GHz ODU FCC, BAND EDGES (23.270-23.600 GHz), TR1200 B4, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F4L	23 GHz ODU FCC, BAND EDGES (22.070-22.400 GHz), TR1200 B4, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00



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Exalt Products

Upgrades EX-s Series GigE+1xDS3+16xT1/E1 (FCC)

K002000X1X	Upgrade Key, single terminal EX-s GigE IDU, 4xT1/E1 to 8xT1/E1;	Each	\$400.00
K00300061X	Upgrade Key, single terminal EX-s Series GigE IDU, 4xT1/E1 to 12xT1/E1	Each	\$800.00
K00400061X	Upgrade Key, single terminal EX-s Series GigE IDU, 4xT1/E1 to 16xT1/E1	Each	\$1,200.00
K00500061X	Upgrade Key, single terminal EX-s Series GigE IDU, 8xT1/E1 to 12xT1/E1;	Each	\$400.00
K00600061X	Upgrade Key, single terminal EX-s Series GigE IDU, 8xT1/E1 to 16xT1/E1	Each	\$800.00
K00700061X	Upgrade Key, single terminal EX-s Series GigE IDU, 12xT1/E1 to 16xT1/E1	Each	\$400.00
K00C00081F	Upgrade Key, single terminal EX-s GigE IDU, 0xDS3 to 1xDS3	Each	\$1,800.00
K00G000X1X	Upgrade Key 0xT1/E1 to 4xT1/E1, single terminal EX-s Series GigE IDU	Each	\$400.00
K00P000X1X	Upgrade Key, single terminal EX-s Series GigE IDU, 0xT1/E1 to 8xT1/E1	Each	\$800.00
K00Q00061X	Upgrade Key, single terminal EX-s Series GigE IDU, 0xT1/E1 to 12xT1/E1	Each	\$1,200.00
K00R00061X	Upgrade Key, single terminal EX-s Series GigE IDU, 0xT1/E1 to 16xT1/E1	Each	\$1,600.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
K02F000X1X	Upgrade Key 50 to 100 Mbps, single terminal EX-s Series GigE IDU	Each	\$250.00
K02G000X1X	Upgrade Key 50 to 200 Mbps, single terminal EX-s Series GigE IDU	Each	\$1,000.00
K02H000X1X	Upgrade Key 50 to 300 Mbps, single terminal EX-s Series GigE IDU	Each	\$1,750.00
K02K000X1X	Upgrade Key 100 to 200 Mbps, single terminal EX-s Series GigE IDU	Each	\$750.00
K02L000X1X	Upgrade Key 100 to 300 Mbps, single terminal EX-s Series GigE IDU	Each	\$1,500.00
K02N000X1X	Upgrade Key 200 to 300 Mbps, single terminal EX-s Series GigE IDU	Each	\$750.00

Accessories EX-s Series GigE+1xDS3+16xT1/E1 (FCC)

A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each	\$50.00
AE000X1F2	SPARE EX-s Series GigE; fan module for 20-60VDC IDU models DS3/16-1000F, 4DS3/4-1000F, OC3/4-1000F and 2OC3/4-1000F	Each	\$200.00
AE000X1X	EX-s Series GigE AC Adapter. Must be ordered with EX-s Series GigE IDUs for AC power applications. Power adapter is NOT included with terminals.	Each	\$200.00
AE000X1X1	SPARE Accessory kit (EX-s Series GigE). Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00
AE000X1X3	EX-s Series GigE Monitored Hot Standby (MHS) Kit. Single endpoint, Includes management control cabling. Does not include second IDU, ODU, Hot Standby Coupler, T1/E1 or DS3 protection cables or IF cabling (order separately).	Each	\$129.00
AE000X1X4	Monitored Hot Standby (MHS) DS3 protection cable. Single endpoint. Includes 1xDS3 protection cable.	Each	\$130.00

Extended Support EX-s Series GigE+1xDS3+16xT1/E1 (FCC)

S001T03-IDU	1-year warranty extension, EX-s Series GigE, single IDU	Each	\$510.00
S001T03-ODU	1-year warranty extension, EX-s Series GigE, single ODU	Each	\$510.00
S002T03-IDU	3-year warranty extension, EX-s Series GigE, single IDU	Each	\$975.00
S002T03-ODU	3-year warranty extension, EX-s Series GigE, single ODU	Each	\$975.00
S003T03-IDU	1-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$750.00
S003T03-ODU	1-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$750.00
S004T03-IDU	2-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$1,200.00
S004T03-ODU	2-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$1,200.00
S005T03-IDU	3-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$1,425.00
S005T03-ODU	3-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$1,425.00
S006T03-IDU	5-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$1,650.00
S006T03-ODU	5-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$1,650.00
S007T03-IDU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series GigE, single IDU	Each	\$2,400.00
S007T03-ODU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series GigE, single ODU	Each	\$2,400.00

EX-s Series GigE+1xDS3+8xT1/E1 (FCC)

Base Capacity: 50 Mbps full-duplex + 0xDS3 + 0xT1/E1

Max Capacity: 315 Mbps full-duplex + 1xDS3 + 8xT1/E1

Gigabit Ethernet Microwave Backhaul Radio for FCC licensed

Split-mount, carrier-class, upgradeable licensed-band systems for medium and high capacity TDM and gigabit Ethernet backhaul applications. Features include native TDM and native gigabit Ethernet, adaptive modulation, capacity aggregation, advanced data networking and high security. FCC IDU models.



CPN	Description	UOM	List Price
E00051F	DS3/8-1000F GigE IDU - FCC, single terminal, 50 Mbps +0xDS3 +0xT1/E1 expandable up to 315 Mbps + 1xDS3 + 8xT1/E1; -48VDC	Terminal	\$3,115.00



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ODUs	EX-s Series GigE+1xDS3+8xT1/E1 (FCC)		
E11SR0490AH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND A High (EDGES 11.200-11.390 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490AL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND A Low (EDGES 10.700-10.890 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490BH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND B High (EDGES 11.355-11.545 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490BL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND B Low (EDGES 10.855-11.045 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490CH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND C High (EDGES 11.510-11.700 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490CL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND C Low (EDGES 11.010-11.200 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E18SR1560CH	18 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1560 MHz, BAND C High (EDGES 19.260-19.700 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E18SR1560CL	18 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1560 MHz, BAND C Low (EDGES 17.700-18.140 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200AH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND A High (EDGES 22.400-22.730 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200AL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND A Low (EDGES 21.200-21.530 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200BH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND B High (EDGES 22.690-23.020 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200BL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND B Low (EDGES 21.490-21.820 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200CH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND C High (EDGES 22.980-23.310 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200CL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND C Low (EDGES 21.780-22.110 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200DH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND D High (EDGES 23.270-23.600 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200DL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND D Low (EDGES 22.070-22.400 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E383F1H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.295-39.505 GHz), TR700 B1 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F1L	38 GHz ODU, s-Series GigE FCC, BAND EDGES (38.595-38.805 GHz), TR700 B1 , Low; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F2H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.495-39.705 GHz), TR700 B2 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F2L	38 GHz ODU, s-Series GigE FCC, BAND EDGES 38.795-39.005 GHz), TR700 B2 ,Low; standard capacity 30MHz/128QAM	Each	\$3,000.00



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E383F3H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.695-39.905 GHz), TR700 B3 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F3L	38 GHz ODU, s-Series GigE FCC, BAND EDGES (38.995-39.205 GHz), TR700 B3 , Low; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F4H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.895-40.105 GHz), TR700 B4 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F4L	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.145-39.405 GHz), TR700 B4 , Low; standard capacity 30MHz/128QAM	Each	\$3,000.00
E604F1H	Lower 6 GHz ODU FCC, BAND EDGES (6.175-6.275 GHz), TR252.04 B1 , Hi; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F1L	Lower 6 GHz ODU FCC, BAND EDGES (5.925-6.025 GHz), TR252.04 B1 , Lo; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F2H	Lower 6 GHz ODU FCC, BAND EDGES (6.250-6.350 GHz), TR252.04 B2 , Hi; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F2L	Lower 6 GHz ODU FCC, BAND EDGES (6.000-6.100 GHz), TR252.04 B2 , Lo; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F3H	Lower 6 GHz ODU FCC, BAND EDGES (6.325-6.425 GHz), TR252.04 B3 , Hi; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F3L	Lower 6 GHz ODU FCC, BAND EDGES (6.075-6.175 GHz), TR252.04 B3 , Lo; high capacity 30MHz/256QAM	Each	\$5,210.00
EA13F1H	11 GHz ODU FCC, BAND EDGES (11.165-11.345 GHz), TR490 B1 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F1L	11 GHz ODU FCC, BAND EDGES (10.675-10.855 GHz), TR490 B1 , Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F2H	11 GHz ODU FCC, BAND EDGES (11.285-11.465 GHz), TR490 B2, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F2L	11 GHz ODU FCC, BAND EDGES (10.795-10.975 GHz), TR490 B2, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F3H	11 GHz ODU, FCC, BAND EDGES (11.405-11.585 GHz), TR490 B3, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F3L	11 GHz ODU FCC, BAND EDGES (10.915-11.095 GHz), TR490 B3 , Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F4H	11 GHz ODU FCC, BAND EDGES (11.525-11.705 GHz), TR490 B4, Hi, standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F4L	11 GHz ODU FCC, BAND EDGES (11.035-11.215 GHz), TR490 B4 ,Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA83F3H	18 GHz ODU FCC, BAND EDGES (19.260-19.700 GHz), TR1560, B3 Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA83F3L	18 GHz ODU FCC, BAND EDGES (17.700-18.140 GHz), TR1560, B3 Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F1H	23 GHz ODU FCC, BAND EDGES (22.400-22.730 GHz), TR1200 B1, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F1L	23 GHz ODU FCC, BAND EDGES (21.200-21.530 GHz), TR1200 B1 , Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F2H	23 GHz ODU FCC, BAND EDGES (22.690-23.020 GHz), TR1200 B2, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F2L	23 GHz ODU FCC, BAND EDGES (21.490-21.820 GHz), TR1200 B2, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F3H	23 GHz ODU FCC, BAND EDGES (22.980-23.310 GHz), TR1200 B3, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F3L	23 GHz ODU FCC, BAND EDGES (21.780-22.110 GHz), TR1200 B3, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F4H	23 GHz ODU FCC, BAND EDGES (23.270-23.600 GHz), TR1200 B4, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F4L	23 GHz ODU FCC, BAND EDGES (22.070-22.400 GHz), TR1200 B4, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00



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Upgrades		EX-s Series GigE+1xDS3+8xT1/E1 (FCC)	
K002000X1X	Upgrade Key, single terminal EX-s GigE IDU, 4xT1/E1 to 8xT1/E1;	Each	\$400.00
K00C00081F	Upgrade Key, single terminal EX-s GigE IDU, 0xDS3 to 1xDS3	Each	\$1,800.00
K00G000X1X	Upgrade Key 0xT1/E1 to 4xT1/E1, single terminal EX-s Series GigE IDU	Each	\$400.00
K00P000X1X	Upgrade Key, single terminal EX-s Series GigE IDU, 0xT1/E1 to 8xT1/E1	Each	\$800.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
K02F000X1X	Upgrade Key 50 to 100 Mbps, single terminal EX-s Series GigE IDU	Each	\$250.00
K02G000X1X	Upgrade Key 50 to 200 Mbps, single terminal EX-s Series GigE IDU	Each	\$1,000.00
K02H000X1X	Upgrade Key 50 to 300 Mbps, single terminal EX-s Series GigE IDU	Each	\$1,750.00
K02K000X1X	Upgrade Key 100 to 200 Mbps, single terminal EX-s Series GigE IDU	Each	\$750.00
K02L000X1X	Upgrade Key 100 to 300 Mbps, single terminal EX-s Series GigE IDU	Each	\$1,500.00
K02N000X1X	Upgrade Key 200 to 300 Mbps, single terminal EX-s Series GigE IDU	Each	\$750.00
Accessories		EX-s Series GigE+1xDS3+8xT1/E1 (FCC)	
A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each	\$50.00
AE000X1X	EX-s Series GigE AC Adapter. Must be ordered with EX-s Series GigE IDUs for AC power applications. Power adapter is NOT included with terminals.	Each	\$200.00
AE000X1X1	SPARE Accessory kit (EX-s Series GigE). Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00
AE000X1X3	EX-s Series GigE Monitored Hot Standby (MHS) Kit. Single endpoint, Includes management control cabling. Does not include second IDU, ODU, Hot Standby Coupler, T1/E1 or DS3 protection cables or IF cabling (order separately).	Each	\$129.00
AE000X1X4	Monitored Hot Standby (MHS) DS3 protection cable. Single endpoint. Includes 1xDS3 protection cable.	Each	\$130.00
Extended Support		EX-s Series GigE+1xDS3+8xT1/E1 (FCC)	
S001T03-IDU	1-year warranty extension, EX-s Series GigE, single IDU	Each	\$510.00
S001T03-ODU	1-year warranty extension, EX-s Series GigE, single ODU	Each	\$510.00
S002T03-IDU	3-year warranty extension, EX-s Series GigE, single IDU	Each	\$975.00
S002T03-ODU	3-year warranty extension, EX-s Series GigE, single ODU	Each	\$975.00
S003T03-IDU	1-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$750.00
S003T03-ODU	1-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$750.00
S004T03-IDU	2-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$1,200.00
S004T03-ODU	2-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$1,200.00
S005T03-IDU	3-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$1,425.00
S005T03-ODU	3-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$1,425.00
S006T03-IDU	5-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$1,650.00
S006T03-ODU	5-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$1,650.00
S007T03-IDU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series GigE, single IDU	Each	\$2,400.00
S007T03-ODU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series GigE, single ODU	Each	\$2,400.00

EX-s Series GigE+2xOC3+4xT1/E1 (FCC)

Base Capacity: 200 Mbps full-duplex + 1xOC3 + 0xT1/E1

Max Capacity: 315 Mbps full-duplex + 2xOC3 + 4xT1/E1

Gigabit Ethernet Microwave Backhaul Radio for FCC licensed

Split-mount, carrier-class, upgradeable licensed-band systems for medium and high capacity TDM and gigabit Ethernet backhaul applications. Features include native TDM and native gigabit Ethernet, adaptive modulation, capacity aggregation, advanced data networking and high security. FCC IDU models.



CPN	Description	UOM	List Price
E000C1F	2OC3/4-1000F GigE IDU - FCC, single terminal, 200 Mbps + 1xOC3 +0xT1/E1 expandable up to 315 Mbps + 2xOC3 + 4xT1/E1; +/- 20-60VDC	Terminal	\$9,360.00



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ODUs	EX-s Series GigE+2xOC3+4xT1/E1 (FCC)		
E11SR0490AH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND A High (EDGES 11.200-11.390 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490AL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND A Low (EDGES 10.700-10.890 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490BH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND B High (EDGES 11.355-11.545 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490BL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND B Low (EDGES 10.855-11.045 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490CH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND C High (EDGES 11.510-11.700 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490CL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND C Low (EDGES 11.010-11.200 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E18SR1560CH	18 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1560 MHz, BAND C High (EDGES 19.260-19.700 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E18SR1560CL	18 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1560 MHz, BAND C Low (EDGES 17.700-18.140 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200AH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND A High (EDGES 22.400-22.730 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200AL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND A Low (EDGES 21.200-21.530 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200BH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND B High (EDGES 22.690-23.020 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200BL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND B Low (EDGES 21.490-21.820 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200CH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND C High (EDGES 22.980-23.310 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200CL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND C Low (EDGES 21.780-22.110 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200DH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND D High (EDGES 23.270-23.600 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200DL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND D Low (EDGES 22.070-22.400 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E383F1H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.295-39.505 GHz), TR700 B1 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F1L	38 GHz ODU, s-Series GigE FCC, BAND EDGES (38.595-38.805 GHz), TR700 B1 , Low; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F2H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.495-39.705 GHz), TR700 B2 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F2L	38 GHz ODU, s-Series GigE FCC, BAND EDGES 38.795-39.005 GHz), TR700 B2 ,Low; standard capacity 30MHz/128QAM	Each	\$3,000.00



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Exalt Products

E383F3H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.695-39.905 GHz), TR700 B3 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F3L	38 GHz ODU, s-Series GigE FCC, BAND EDGES (38.995-39.205 GHz), TR700 B3 , Low; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F4H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.895-40.105 GHz), TR700 B4 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F4L	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.145-39.405 GHz), TR700 B4 , Low; standard capacity 30MHz/128QAM	Each	\$3,000.00
E604F1H	Lower 6 GHz ODU FCC, BAND EDGES (6.175-6.275 GHz), TR252.04 B1 , Hi; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F1L	Lower 6 GHz ODU FCC, BAND EDGES (5.925-6.025 GHz), TR252.04 B1 , Lo; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F2H	Lower 6 GHz ODU FCC, BAND EDGES (6.250-6.350 GHz), TR252.04 B2 , Hi; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F2L	Lower 6 GHz ODU FCC, BAND EDGES (6.000-6.100 GHz), TR252.04 B2 , Lo; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F3H	Lower 6 GHz ODU FCC, BAND EDGES (6.325-6.425 GHz), TR252.04 B3 , Hi; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F3L	Lower 6 GHz ODU FCC, BAND EDGES (6.075-6.175 GHz), TR252.04 B3 , Lo; high capacity 30MHz/256QAM	Each	\$5,210.00

Upgrades EX-s Series GigE+2xOC3+4xT1/E1 (FCC)

K00G000X1X	Upgrade Key 0xT1/E1 to 4xT1/E1, single terminal EX-s Series GigE IDU	Each	\$400.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
K01C000C1F	Upgrade Key, single terminal EX-s GigE 2OC3/4-1000F IDU, 1xOC3 to 2xOC3. NOTE: Requires separate upgrade to 300 Mbps.	Each	\$1,500.00
K02N000X1X	Upgrade Key 200 to 300 Mbps, single terminal EX-s Series GigE IDU	Each	\$750.00

Accessories EX-s Series GigE+2xOC3+4xT1/E1 (FCC)

A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each	\$50.00
AE000X1F2	SPARE EX-s Series GigE; fan module for 20-60VDC IDU models DS3/16-1000F, 4DS3/4-1000F, OC3/4-1000F and 2OC3/4-1000F	Each	\$200.00
AE000X1X1	SPARE Accessory kit (EX-s Series GigE). Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00
AE000X1X3	EX-s Series GigE Monitored Hot Standby (MHS) Kit. Single endpoint, Includes management control cabling. Does not include second IDU, ODU, Hot Standby Coupler, T1/E1 or DS3 protection cables or IF cabling (order separately).	Each	\$129.00



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Extended Support

EX-s Series GigE+2xOC3+4xT1/E1 (FCC)

S001T03-IDU	1-year warranty extension, EX-s Series GigE, single IDU	Each	\$510.00
S001T03-ODU	1-year warranty extension, EX-s Series GigE, single ODU	Each	\$510.00
S002T03-IDU	3-year warranty extension, EX-s Series GigE, single IDU	Each	\$975.00
S002T03-ODU	3-year warranty extension, EX-s Series GigE, single ODU	Each	\$975.00
S003T03-IDU	1-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$750.00
S003T03-ODU	1-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$750.00
S004T03-IDU	2-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$1,200.00
S004T03-ODU	2-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$1,200.00
S005T03-IDU	3-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$1,425.00
S005T03-ODU	3-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$1,425.00
S006T03-IDU	5-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$1,650.00
S006T03-ODU	5-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$1,650.00
S007T03-IDU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series GigE, single IDU	Each	\$2,400.00
S007T03-ODU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series GigE, single ODU	Each	\$2,400.00

EX-s Series GigE+4xDS3+4xT1/E1 (FCC)

Base Capacity: 50 Mbps full-duplex + 1xDS3 + 0xT1/E1

Max Capacity: 315 Mbps full-duplex + 3xDS3 + 4xT1/E1

Gigabit Ethernet Microwave Backhaul Radio for FCC licensed

Split-mount, carrier-class, upgradeable licensed-band systems for medium and high capacity TDM and gigabit Ethernet backhaul applications. Features include native TDM and native gigabit Ethernet, adaptive modulation, capacity aggregation, advanced data networking and high security. FCC IDU models.



CPN	Description	UOM	List Price
E000E1F	4DS3/4-1000F GigE IDU - FCC, single terminal, 50 Mbps +1xDS3 +0xT1/E1 expandable up to 315 Mbps + 4xDS3 + 4xT1/E1; +/- 20-60VDC	Terminal	\$6,535.00



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Exalt Products

ODUs	EX-s Series GigE+4xDS3+4xT1/E1 (FCC)		
E11SR0490AH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND A High (EDGES 11.200-11.390 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490AL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND A Low (EDGES 10.700-10.890 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490BH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND B High (EDGES 11.355-11.545 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490BL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND B Low (EDGES 10.855-11.045 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490CH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND C High (EDGES 11.510-11.700 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490CL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND C Low (EDGES 11.010-11.200 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E18SR1560CH	18 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1560 MHz, BAND C High (EDGES 19.260-19.700 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E18SR1560CL	18 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1560 MHz, BAND C Low (EDGES 17.700-18.140 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200AH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND A High (EDGES 22.400-22.730 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200AL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND A Low (EDGES 21.200-21.530 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200BH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND B High (EDGES 22.690-23.020 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200BL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND B Low (EDGES 21.490-21.820 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200CH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND C High (EDGES 22.980-23.310 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200CL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND C Low (EDGES 21.780-22.110 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200DH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND D High (EDGES 23.270-23.600 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200DL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND D Low (EDGES 22.070-22.400 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E383F1H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.295-39.505 GHz), TR700 B1 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F1L	38 GHz ODU, s-Series GigE FCC, BAND EDGES (38.595-38.805 GHz), TR700 B1 , Low; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F2H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.495-39.705 GHz), TR700 B2 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F2L	38 GHz ODU, s-Series GigE FCC, BAND EDGES 38.795-39.005 GHz), TR700 B2 ,Low; standard capacity 30MHz/128QAM	Each	\$3,000.00



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Exalt Products

E383F3H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.695-39.905 GHz), TR700 B3 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F3L	38 GHz ODU, s-Series GigE FCC, BAND EDGES (38.995-39.205 GHz), TR700 B3 , Low; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F4H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.895-40.105 GHz), TR700 B4 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F4L	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.145-39.405 GHz), TR700 B4 , Low; standard capacity 30MHz/128QAM	Each	\$3,000.00
E604F1H	Lower 6 GHz ODU FCC, BAND EDGES (6.175-6.275 GHz), TR252.04 B1 , Hi; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F1L	Lower 6 GHz ODU FCC, BAND EDGES (5.925-6.025 GHz), TR252.04 B1 , Lo; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F2H	Lower 6 GHz ODU FCC, BAND EDGES (6.250-6.350 GHz), TR252.04 B2 , Hi; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F2L	Lower 6 GHz ODU FCC, BAND EDGES (6.000-6.100 GHz), TR252.04 B2 , Lo; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F3H	Lower 6 GHz ODU FCC, BAND EDGES (6.325-6.425 GHz), TR252.04 B3 , Hi; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F3L	Lower 6 GHz ODU FCC, BAND EDGES (6.075-6.175 GHz), TR252.04 B3 , Lo; high capacity 30MHz/256QAM	Each	\$5,210.00

Upgrades EX-s Series GigE+4xDS3+4xT1/E1 (FCC)

K00G000X1X	Upgrade Key 0xT1/E1 to 4xT1/E1, single terminal EX-s Series GigE IDU	Each	\$400.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
K01P000E1F	Upgrade Key 1xDS3 to 2xDS3, single terminal EX-s Series GigE IDU. NOTE: requires separate upgrade to 100 Mbps.	Each	\$500.00
K01Q000E1F	Upgrade Key 1xDS3 to 3xDS3, single terminal EX-s Series GigE IDU. NOTE: requires separate upgrade to 200 Mbps.	Each	\$1,000.00
K01R000E1F	Upgrade Key 1xDS3 to 4xDS3, single terminal EX-s Series GigE IDU. NOTE: requires separate upgrade to 200 Mbps.	Each	\$2,500.00
K01S000E1F	Upgrade Key 2xDS3 to 3xDS3, single terminal EX-s Series GigE IDU. NOTE: requires separate upgrade to 200 Mbps.	Each	\$500.00
K01T000E1F	Upgrade Key 2xDS3 to 4xDS3, single terminal EX-s Series GigE IDU. NOTE: requires separate upgrade to 200 Mbps.	Each	\$2,000.00
K01U000E1F	Upgrade Key 3xDS3 to 4xDS3, single terminal EX-s Series GigE IDU.	Each	\$1,500.00
K02F000X1X	Upgrade Key 50 to 100 Mbps, single terminal EX-s Series GigE IDU	Each	\$250.00
K02G000X1X	Upgrade Key 50 to 200 Mbps, single terminal EX-s Series GigE IDU	Each	\$1,000.00
K02H000X1X	Upgrade Key 50 to 300 Mbps, single terminal EX-s Series GigE IDU	Each	\$1,750.00
K02K000X1X	Upgrade Key 100 to 200 Mbps, single terminal EX-s Series GigE IDU	Each	\$750.00
K02L000X1X	Upgrade Key 100 to 300 Mbps, single terminal EX-s Series GigE IDU	Each	\$1,500.00
K02N000X1X	Upgrade Key 200 to 300 Mbps, single terminal EX-s Series GigE IDU	Each	\$750.00

Accessories EX-s Series GigE+4xDS3+4xT1/E1 (FCC)

A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each	\$50.00
AE000X1F2	SPARE EX-s Series GigE; fan module for 20-60VDC IDU models DS3/16-1000F, 4DS3/4-1000F, OC3/4-1000F and 2OC3/4-1000F	Each	\$200.00
AE000X1X	EX-s Series GigE AC Adapter. Must be ordered with EX-s Series GigE IDUs for AC power applications. Power adapter is NOT included with terminals.	Each	\$200.00
AE000X1X1	SPARE Accessory kit (EX-s Series GigE). Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00
AE000X1X3	EX-s Series GigE Monitored Hot Standby (MHS) Kit. Single endpoint, Includes management control cabling. Does not include second IDU, ODU, Hot Standby Coupler, T1/E1 or DS3 protection cables or IF cabling (order separately).	Each	\$129.00
AE000X1X4	Monitored Hot Standby (MHS) DS3 protection cable. Single endpoint. Includes 1xDS3 protection cable.	Each	\$130.00



January 2010 Price List

Exalt Products

Extended Support		EX-s Series GigE+4xDS3+4xT1/E1 (FCC)	
S001T03-IDU	1-year warranty extension, EX-s Series GigE, single IDU	Each	\$510.00
S001T03-ODU	1-year warranty extension, EX-s Series GigE, single ODU	Each	\$510.00
S002T03-IDU	3-year warranty extension, EX-s Series GigE, single IDU	Each	\$975.00
S002T03-ODU	3-year warranty extension, EX-s Series GigE, single ODU	Each	\$975.00
S003T03-IDU	1-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$750.00
S003T03-ODU	1-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$750.00
S004T03-IDU	2-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$1,200.00
S004T03-ODU	2-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$1,200.00
S005T03-IDU	3-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$1,425.00
S005T03-ODU	3-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$1,425.00
S006T03-IDU	5-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$1,650.00
S006T03-ODU	5-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$1,650.00
S007T03-IDU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series GigE, single IDU	Each	\$2,400.00
S007T03-ODU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series GigE, single ODU	Each	\$2,400.00

EX-s Series GigE+8xT1/E1 (FCC)

Base Capacity: 50 Mbps full-duplex + 4xT1/E1

Max Capacity: 315 Mbps full-duplex + 8xT1/E1

Gigabit Ethernet Microwave Backhaul Radio for FCC licensed

Split-mount, carrier-class, upgradeable licensed-band systems for medium and high capacity TDM and gigabit Ethernet backhaul applications. Features include native TDM and native gigabit Ethernet, adaptive modulation, capacity aggregation, advanced data networking and high security. FCC IDU models.



CPN	Description	UOM	List Price
E00081F	8-1000F GigE IDU - FCC, single terminal, 50 Mbps + 4xT1/E1 expandable up to 315 Mbps + 8xT1/E1; -48VDC	Terminal	\$3,065.00



January 2010 Price List

Exalt Products

ODUs	EX-s Series GigE+8xT1/E1 (FCC)		
E11SR0490AH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND A High (EDGES 11.200-11.390 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490AL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND A Low (EDGES 10.700-10.890 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490BH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND B High (EDGES 11.355-11.545 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490BL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND B Low (EDGES 10.855-11.045 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490CH	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND C High (EDGES 11.510-11.700 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E11SR0490CL	11 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 490 MHz, BAND C Low (EDGES 11.010-11.200 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E18SR1560CH	18 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1560 MHz, BAND C High (EDGES 19.260-19.700 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E18SR1560CL	18 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1560 MHz, BAND C Low (EDGES 17.700-18.140 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200AH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND A High (EDGES 22.400-22.730 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200AL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND A Low (EDGES 21.200-21.530 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200BH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND B High (EDGES 22.690-23.020 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200BL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND B Low (EDGES 21.490-21.820 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200CH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND C High (EDGES 22.980-23.310 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200CL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND C Low (EDGES 21.780-22.110 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200DH	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND D High (EDGES 23.270-23.600 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E23SR1200DL	23 GHz FCC ODU compatible with EX-s Series GigE FCC IDUs; standard power, rectangular waveguide, TR 1200 MHz, BAND D Low (EDGES 22.070-22.400 GHz), high capacity 50 MHz/256 QAM	Each	\$3,755.00
E383F1H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.295-39.505 GHz), TR700 B1 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F1L	38 GHz ODU, s-Series GigE FCC, BAND EDGES (38.595-38.805 GHz), TR700 B1 , Low; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F2H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.495-39.705 GHz), TR700 B2 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F2L	38 GHz ODU, s-Series GigE FCC, BAND EDGES 38.795-39.005 GHz), TR700 B2 ,Low; standard capacity 30MHz/128QAM	Each	\$3,000.00



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Exalt Products

E383F3H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.695-39.905 GHz), TR700 B3 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F3L	38 GHz ODU, s-Series GigE FCC, BAND EDGES (38.995-39.205 GHz), TR700 B3 , Low; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F4H	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.895-40.105 GHz), TR700 B4 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
E383F4L	38 GHz ODU, s-Series GigE FCC, BAND EDGES (39.145-39.405 GHz), TR700 B4 , Low; standard capacity 30MHz/128QAM	Each	\$3,000.00
E604F1H	Lower 6 GHz ODU FCC, BAND EDGES (6.175-6.275 GHz), TR252.04 B1 , Hi; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F1L	Lower 6 GHz ODU FCC, BAND EDGES (5.925-6.025 GHz), TR252.04 B1 , Lo; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F2H	Lower 6 GHz ODU FCC, BAND EDGES (6.250-6.350 GHz), TR252.04 B2 , Hi; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F2L	Lower 6 GHz ODU FCC, BAND EDGES (6.000-6.100 GHz), TR252.04 B2 , Lo; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F3H	Lower 6 GHz ODU FCC, BAND EDGES (6.325-6.425 GHz), TR252.04 B3 , Hi; high capacity 30MHz/256QAM	Each	\$5,210.00
E604F3L	Lower 6 GHz ODU FCC, BAND EDGES (6.075-6.175 GHz), TR252.04 B3 , Lo; high capacity 30MHz/256QAM	Each	\$5,210.00
EA13F1H	11 GHz ODU FCC, BAND EDGES (11.165-11.345 GHz), TR490 B1 , Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F1L	11 GHz ODU FCC, BAND EDGES (10.675-10.855 GHz), TR490 B1 , Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F2H	11 GHz ODU FCC, BAND EDGES (11.285-11.465 GHz), TR490 B2, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F2L	11 GHz ODU FCC, BAND EDGES (10.795-10.975 GHz), TR490 B2, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F3H	11 GHz ODU, FCC, BAND EDGES (11.405-11.585 GHz), TR490 B3, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F3L	11 GHz ODU FCC, BAND EDGES (10.915-11.095 GHz), TR490 B3 , Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F4H	11 GHz ODU FCC, BAND EDGES (11.525-11.705 GHz), TR490 B4, Hi, standard capacity 30MHz/128QAM	Each	\$3,000.00
EA13F4L	11 GHz ODU FCC, BAND EDGES (11.035-11.215 GHz), TR490 B4 ,Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA83F3H	18 GHz ODU FCC, BAND EDGES (19.260-19.700 GHz), TR1560, B3 Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EA83F3L	18 GHz ODU FCC, BAND EDGES (17.700-18.140 GHz), TR1560, B3 Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F1H	23 GHz ODU FCC, BAND EDGES (22.400-22.730 GHz), TR1200 B1, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F1L	23 GHz ODU FCC, BAND EDGES (21.200-21.530 GHz), TR1200 B1 , Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F2H	23 GHz ODU FCC, BAND EDGES (22.690-23.020 GHz), TR1200 B2, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F2L	23 GHz ODU FCC, BAND EDGES (21.490-21.820 GHz), TR1200 B2, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F3H	23 GHz ODU FCC, BAND EDGES (22.980-23.310 GHz), TR1200 B3, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F3L	23 GHz ODU FCC, BAND EDGES (21.780-22.110 GHz), TR1200 B3, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F4H	23 GHz ODU FCC, BAND EDGES (23.270-23.600 GHz), TR1200 B4, Hi; standard capacity 30MHz/128QAM	Each	\$3,000.00
EB33F4L	23 GHz ODU FCC, BAND EDGES (22.070-22.400 GHz), TR1200 B4, Lo; standard capacity 30MHz/128QAM	Each	\$3,000.00



January 2010 Price List

Exalt Products

Upgrades		EX-s Series GigE+8xT1/E1 (FCC)	
K00200081X	Upgrade Key, single terminal EX-s GigE 8-1000F & 8-1000E IDU, 4xT1/E1 to 8xT1/E1;	Each	\$400.00
K01800000	Upgrade Key - single terminal, 128-bit AES Encryption	Each	\$1,200.00
K01900000	Upgrade Key - single terminal, 256-bit AES Encryption	Each	\$1,500.00
K02F000X1X	Upgrade Key 50 to 100 Mbps, single terminal EX-s Series GigE IDU	Each	\$250.00
K02G000X1X	Upgrade Key 50 to 200 Mbps, single terminal EX-s Series GigE IDU	Each	\$1,000.00
K02H000X1X	Upgrade Key 50 to 300 Mbps, single terminal EX-s Series GigE IDU	Each	\$1,750.00
K02K000X1X	Upgrade Key 100 to 200 Mbps, single terminal EX-s Series GigE IDU	Each	\$750.00
K02L000X1X	Upgrade Key 100 to 300 Mbps, single terminal EX-s Series GigE IDU	Each	\$1,500.00
K02N000X1X	Upgrade Key 200 to 300 Mbps, single terminal EX-s Series GigE IDU	Each	\$750.00
Accessories		EX-s Series GigE+8xT1/E1 (FCC)	
A200799	Monitored Hot Standby (MHS) Cable Expansion Kit. Single endpoint. Includes protection cables for 4xT1/E1 ports Double-male RJ45 to female RJ45.	Each	\$50.00
AE000X1X	EX-s Series GigE AC Adapter. Must be ordered with EX-s Series GigE IDUs for AC power applications. Power adapter is NOT included with terminals.	Each	\$200.00
AE000X1X1	SPARE Accessory kit (EX-s Series GigE). Includes rack mounting hardware, DC connector plug and grounding hardware.	Each	\$79.00
AE000X1X3	EX-s Series GigE Monitored Hot Standby (MHS) Kit. Single endpoint, Includes management control cabling. Does not include second IDU, ODU, Hot Standby Coupler, T1/E1 or DS3 protection cables or IF cabling (order separately).	Each	\$129.00
Extended Support		EX-s Series GigE+8xT1/E1 (FCC)	
S001T03-IDU	1-year warranty extension, EX-s Series GigE, single IDU	Each	\$510.00
S001T03-ODU	1-year warranty extension, EX-s Series GigE, single ODU	Each	\$510.00
S002T03-IDU	3-year warranty extension, EX-s Series GigE, single IDU	Each	\$975.00
S002T03-ODU	3-year warranty extension, EX-s Series GigE, single ODU	Each	\$975.00
S003T03-IDU	1-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$750.00
S003T03-ODU	1-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$750.00
S004T03-IDU	2-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$1,200.00
S004T03-ODU	2-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$1,200.00
S005T03-IDU	3-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$1,425.00
S005T03-ODU	3-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$1,425.00
S006T03-IDU	5-year advanced replacement & emergency support, EX-s Series GigE, single IDU	Each	\$1,650.00
S006T03-ODU	5-year advanced replacement & emergency support, EX-s Series GigE, single ODU	Each	\$1,650.00
S007T03-IDU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series GigE, single IDU	Each	\$2,400.00
S007T03-ODU	5-year combination support (5-year advanced replacement & emergency support plus 3-year warranty extension), EX-s Series GigE, single ODU	Each	\$2,400.00



January 2010 Price List

Recommended Third-Party Products

EX-i Series

RF Lightning/Surge Protection

0-5 GHz

Manufacturer	Mfg PN	Description
Polyphaser	AL-LSXM	0-5 GHz RF lightning protector
Andrew	BB-BNFNFE-26	0-5 GHz RF lightning protector

EX-i Series GigE

RF Lightning/Surge Protection

6.0-10.0 GHz

Manufacturer	Mfg PN	Description
Polyphaser	WSXM	6-10 GHz RF lightning protector

SFP Plug-in Modules

Manufacturer	Mfg PN	Description
Avago Technologies	ABCU-5710RZ	1000BaseT Copper SFP module, 3.3VDC
Avago Technologies	AFBR-5710ALZ	1000BaseT Class-1 Multimode Fiber SFP module; 850 nm, 3.3VDC
Avago Technologies	AFCT-5710ALZ	1000BaseT Class-1 Single Mode Fiber SFP module; 1310 nm, 3.3VDC
Finisar	FCLF-8521-3	1000BaseT Copper SFP module, 3.3VDC
Finisar	FTLF-1318P2BTL	1000BaseT Single Mode Fiber, 1310nm, SFP module, 3.3VDC
Finisar	FTLF-8519P2BTL	1000BaseT Multimode Fiber SFP module, 850nm, 3.3VDC
FiberXon	FTM-8012C-SLiG	1000BaseT Class-1 Multimode fiber SFP module, 850nm, 3.3VDC

EX-r Series

PoE Lightning/Surge Protection

Manufacturer	Mfg PN	Description
Transtector	ALPU-EXLT	PoE cable lightning and surge protection

RF Lightning/Surge Protection

0-5 GHz

Manufacturer	Mfg PN	Description
Polyphaser	AL-LSXM	0-5 GHz RF lightning protector
Andrew	BB-BNFNFE-26	0-5 GHz RF lightning protector

EX-r Series GigE

PoE Lightning/Surge Protection

Manufacturer	Mfg PN	Description
Transtector	ALPU-EXLT	PoE cable lightning and surge protection



January 2010 Price List

Recommended Third-Party Products

EX-r Series GigE

RF Lightning/Surge Protection

0-5 GHz

Manufacturer	Mfg PN	Description
Polyphaser	AL-LSXM	0-5 GHz RF lightning protector
Andrew	BB-BNFE-26	0-5 GHz RF lightning protector



January 2010 Price List

Recommended Third-Party Products

EX-s Series

EX-s Series Antennas

11 GHz

Manufacturer	Mfg PN	Description
Radiowaves	HP2-11RR	High performance, Plane polarized, 11GHz, Exalt ODU-coupled, Rectangular waveguide, 33.8dBi, 2ft/0.6m dish
Radiowaves	HP3-11RR	High performance, Plane polarized, 11GHz, Exalt ODU-coupled, Rectangular waveguide, 37.3dBi, 3ft/0.9mdish
Radiowaves	HP4-11RR	High performance, Plane polarized, 11GHz, Exalt ODU-coupled, Rectangular waveguide, 39.8dBi, 4ft/1.2m dish
Radiowaves	HP6-11RR	High performance, Plane polarized, 11GHz, Exalt ODU-coupled, Rectangular waveguide, 42.9dBi, 6ft/1.8m dish
RFS	SB2-107RER	Ultra high performance, single polarized, 11GHz, Exalt ODU coupled, Rectangular waveguide,dBi, 2ft/0.6m dish
RFS	SB3-107RER	Ultra high performance, single polarized, 11GHz, Exalt ODU coupled, Rectangular waveguide, dBi, 3ft/0.9m dish
RFS	SB4-107RER	Ultra high performance, single polarized, 11GHz, Exalt ODU coupled, Rectangular waveguide, dBi, 4ft/1.2m dish
RFS	SB6-107RER	Ultra high performance, single polarized, 11GHz, Exalt ODU coupled, Rectangular waveguide, dBi, 6ft/1.8m dish
Andrew	VHLP2-11-RR1	ValuLine III Next Generation Antenna, 11GHz, Exalt ODU coupled, Rectangular waveguide, 35dBi, 2ft/0.6m dish
Andrew	VHLP4-11-RR1A	ValuLine III Next Generation Antenna, 11GHz, Exalt ODU coupled, Rectangular waveguide, 40.8dBi, 4ft/1.2m dish
Andrew	VHLP6-11-RR1A	ValuLine III Next Generation Antenna, 11GHz, Exalt ODU coupled, Rectangular waveguide, 44.4dBi, 6ft/1.8m dish
Andrew	VHLP800-11-RR1	ValuLine III Next Generation Antenna, 11GHz, Exalt ODU coupled, Rectangular waveguide, 38.1dBi, 3ft/0.9m dish



January 2010 Price List

Recommended Third-Party Products

EX-s Series

EX-s Series Antennas

11 GHz

Manufacturer	Mfg PN	Description
Radiowaves	HP2-18RR	High performance, Plane polarized, 18GHz, Exalt ODU-coupled, Rectangular waveguide, 39dBi, 2ft/0.6m dish
Radiowaves	HP3-18RR	High performance, Plane polarized, 18GHz, Exalt ODU-coupled, Rectangular waveguide, 42.4dBi, 3ft dish
Radiowaves	HP4-18RR	High performance, Plane polarized, 18GHz, Exalt ODU-coupled, Rectangular waveguide, 44.9dBi, 4ft/1.2m dish
Radiowaves	HP6-18RR	High performance, Plane polarized, 18GHz, Exalt ODU-coupled, Rectangular waveguide, 6ft/1.8m dish
Radiowaves	HPLP1-18RR	High performance, Plane polarized, 18GHz, Exalt ODU-coupled, Rectangular waveguide, 34.4dBi, 1ft dish
RFS	SB2-190RER	Ultra high performance, single polarized, 18GHz, Exalt ODU coupled, Rectangular waveguide, 39.5dBi, 2ft dish
RFS	SB4-190RER	Ultra high performance, single polarized, 18GHz, Exalt ODU coupled, Rectangular waveguide, 45.2dBi, 4ft/1.2m dish
Andrew	VHLP2.5-18-RR1	ValuLine III Next Generation Antenna, 18GHz, Exalt ODU coupled, Rectangular waveguide, 41.4dBi, 2.5ft dish
Andrew	VHLP2-18-RR1	ValuLine III Next Generation Antenna, 18GHz, Exalt ODU coupled, Rectangular waveguide, 39.1dBi, 2ft dish
Andrew	VHLP4-18-RR1A	ValuLine III Next Generation Antenna, 18GHz, Exalt ODU coupled, Rectangular waveguide, 45.1dBi, 4ft/1.2mdish
Andrew	VHLP6-18-RR1A	ValuLine III Next Generation Antenna, 18GHz, Exalt ODU coupled, Rectangular waveguide, 48.4dBi, 6ft/1.8m dish



January 2010 Price List

Recommended Third-Party Products

EX-s Series

EX-s Series Antennas

11 GHz

Manufacturer	Mfg PN	Description
Radiowaves	HP2-23RR	High performance, Plane polarized, 23GHz, Exalt ODU-coupled, Rectangular waveguide, 40.7dBi, 2ft/0.6m dish
Radiowaves	HP3-23RR	High performance, Plane polarized, 23GHz, Exalt ODU-coupled, Rectangular waveguide, 44.2dBi, 3ft/0.9m dish
Radiowaves	HP4-23RR	High performance, Plane polarized, 23GHz, Exalt ODU-coupled, Rectangular waveguide, 46.6dBi, 4ft/1.2m dish
Radiowaves	HP6-23RR	High performance, Plane polarized, 23GHz, Exalt ODU-coupled, Rectangular waveguide, 6ft/1.8mt dish
Radiowaves	HPLP1-23RR	High performance, Plane polarized, 23GHz, Exalt ODU-coupled, Rectangular waveguide, 35.5dBi, 1ft dish
RFS	SB1-220RER	Ultra high performance, single polarized, 23GHz, Exalt ODU coupled, Rectangular waveguide, 35.9dBi, 1ft dish
RFS	SB2-220RER	Ultra high performance, single polarized, 23GHz, Exalt ODU coupled, Rectangular waveguide, 41.5dBi, 2ft/0.6m dish
RFS	SB4-220RER	Ultra high performance, single polarized, 23GHz, Exalt ODU coupled, Rectangular waveguide, 46.6dBi, 4ft/1.2m dish
Andrew	VHLP1-23-RR1	ValuLine III Next Generation Antenna, 23GHz, Exalt ODU coupled, Rectangular waveguide, 35.9dBi, 1ft dish
Andrew	VHLP2.5-23-RR1	ValuLine III Next Generation Antenna, 23GHz, Exalt ODU coupled, Rectangular waveguide, 43.4dBi, 2.5ft dish
Andrew	VHLP2-23-RR1	ValuLine III Next Generation Antenna, 23GHz, Exalt ODU coupled, Rectangular waveguide, 41dBi, 2ft/0.6m dish
Andrew	VHLP4-23-RR1A	ValuLine III Next Generation Antenna, 23GHz, Exalt ODU coupled, Rectangular waveguide, 47dBi, 4ft/1.2m dish
Andrew	VHPL6-23-RR1A	ValuLine III Next Generation Antenna, 23GHz, Exalt ODU coupled, Rectangular waveguide, 49.9dBi, 6ft/1.8m dish

EX-s Series Remote Mount

11 GHz

Manufacturer	Mfg PN	Description
Filtel	ADA-PLMT-8	11GHz remote antenna mount for Exalt ODU. WR75 to UBR100 (WR90)
Manufacturer	Mfg PN	Description
Filtel	ADA-PLMT-4	18GHz remote antenna mount for Exalt ODU. WR-42 to UBR 220 (WR42)
Andrew	RMK 18-26/RR	18 and 23 GHz remote antenna mount for Exalt ODU



January 2010 Price List

Recommended Third-Party Products

EX-s Series

Flex-twist Waveguide

10.0-15.0 GHz

Manufacturer	Mfg PN	Description
Andrew	F075KKS1	Flex-Twist WR-75, 10.0-15.0 GHz, PBR220 / PBR220, 300 mm
Andrew	F075KKS2	Flex-Twist WR-75, 10.0-15.0 GHz, PBR220 / PBR220, 600 mm
Andrew	F075KKS3	Flex-Twist WR-75, 10.0-15.0 GHz PBR220 / PBR220, 0.9m
Andrew	F075KKS4	Flex-Twist WR-75, 10.0-15.0 GHz, PBR220 / PBR220, 1.2m
Andrew	F075KKS5	Flex-Twist WR-75, 10.0-15.0 GHz, PBR220 / PBR220, 1.5 m
Manufacturer	Mfg PN	Description
Andrew	F042KKS1	Flex-Twist WR42, 17.7-26.5 GHz, PBR220 / PBR220, 300 mm
Andrew	F042KKS2	Flex-Twist WR42, 17.7-26.5 GHz, PBR220 / PBR220, 600 mm
Andrew	F042KKS3	Flex-Twist WR42, 17.7-26.5 GHz, PBR220 / PBR220, 0.9m
Andrew	F042KKS4	Flex-Twist WR42, 17.7-26.5 GHz, PBR220 / PBR220, 1.2m
Andrew	F042KKS5	Flex-Twist WR42, 17.7-26.5 GHz, PBR220 / PBR220, 1.5 m

Hot Standby Coupler

11 GHz

Manufacturer	Mfg PN	Description
Andrew	C0311/RR	Andrew hot standby coupler, 11GHz, 3dB symmetrical, Rectangular waveguide, Exalt ODU
Andrew	C0611/RR	Andrew hot standby coupler, 11GHz, 1/6dB asymmetrical, Rectangular waveguide Exalt ODU
Radiowaves	HSB-11RR	Radiowaves hot standby coupler, 11GHz, 1/6dB asymmetrical, rectangular waveguide, Exalt ODU
Manufacturer	Mfg PN	Description
Andrew	C0318/RR	Andrew hot standby coupler, 18GHz, 3dB symmetrical, Rectangular waveguide, Exalt ODU
Andrew	C0618/RR	Andrew hot standby coupler, 18GHz, 1/6dB asymmetrical, Rectangular waveguide Exalt ODU
Radiowaves	HSB-18RR	Radiowaves hot standby coupler, 18GHz, 1/6dB asymmetrical, rectangular waveguide, Exalt ODU
Manufacturer	Mfg PN	Description
Andrew	C0323/RR	Andrew hot standby coupler, 23GHz, 3dB symmetrical, Rectangular waveguide, Exalt ODU
Andrew	C0623/RR	Andrew hot standby coupler, 23GHz, 1/6dB asymmetrical, Rectangular waveguide Exalt ODU
Radiowaves	HSB-23RR	Radiowaves hot standby coupler, 23GHz, 1/6dB asymmetrical, rectangular waveguide, Exalt ODU

IF Lightning/Surge Protection

Manufacturer	Mfg PN	Description
Polyphaser	BGXZ-60NFNM-ALT	Lightning protector, DC and IF pass, N-Male connector protected side, F-Female connector surge side



January 2010 Price List

Recommended Third-Party Products

EX-s Series GigE

EX-s Series Antennas

11 GHz

Manufacturer	Mfg PN	Description
Radiowaves	HP2-11RR	High performance, Plane polarized, 11GHz, Exalt ODU-coupled, Rectangular waveguide, 33.8dBi, 2ft/0.6m dish
Radiowaves	HP3-11RR	High performance, Plane polarized, 11GHz, Exalt ODU-coupled, Rectangular waveguide, 37.3dBi, 3ft/0.9mdish
Radiowaves	HP4-11RR	High performance, Plane polarized, 11GHz, Exalt ODU-coupled, Rectangular waveguide, 39.8dBi, 4ft/1.2m dish
Radiowaves	HP6-11RR	High performance, Plane polarized, 11GHz, Exalt ODU-coupled, Rectangular waveguide, 42.9dBi, 6ft/1.8m dish
RFS	SB2-107RER	Ultra high performance, single polarized, 11GHz, Exalt ODU coupled, Rectangular waveguide,dBi, 2ft/0.6m dish
RFS	SB3-107RER	Ultra high performance, single polarized, 11GHz, Exalt ODU coupled, Rectangular waveguide, dBi, 3ft/0.9m dish
RFS	SB4-107RER	Ultra high performance, single polarized, 11GHz, Exalt ODU coupled, Rectangular waveguide, dBi, 4ft/1.2m dish
RFS	SB6-107RER	Ultra high performance, single polarized, 11GHz, Exalt ODU coupled, Rectangular waveguide, dBi, 6ft/1.8m dish
Andrew	VHLP2-11-RR1	ValuLine III Next Generation Antenna, 11GHz, Exalt ODU coupled, Rectangular waveguide, 35dBi, 2ft/0.6m dish
Andrew	VHLP4-11-RR1A	ValuLine III Next Generation Antenna, 11GHz, Exalt ODU coupled, Rectangular waveguide, 40.8dBi, 4ft/1.2m dish
Andrew	VHLP6-11-RR1A	ValuLine III Next Generation Antenna, 11GHz, Exalt ODU coupled, Rectangular waveguide, 44.4dBi, 6ft/1.8m dish
Andrew	VHLP800-11-RR1	ValuLine III Next Generation Antenna, 11GHz, Exalt ODU coupled, Rectangular waveguide, 38.1dBi, 3ft/0.9m dish



January 2010 Price List

Recommended Third-Party Products

EX-s Series GigE

EX-s Series Antennas

11 GHz

Manufacturer	Mfg PN	Description
Radiowaves	HP2-18RR	High performance, Plane polarized, 18GHz, Exalt ODU-coupled, Rectangular waveguide, 39dBi, 2ft/0.6m dish
Radiowaves	HP3-18RR	High performance, Plane polarized, 18GHz, Exalt ODU-coupled, Rectangular waveguide, 42.4dBi, 3ft dish
Radiowaves	HP4-18RR	High performance, Plane polarized, 18GHz, Exalt ODU-coupled, Rectangular waveguide, 44.9dBi, 4ft/1.2m dish
Radiowaves	HP6-18RR	High performance, Plane polarized, 18GHz, Exalt ODU-coupled, Rectangular waveguide, 6ft/1.8m dish
Radiowaves	HPLP1-18RR	High performance, Plane polarized, 18GHz, Exalt ODU-coupled, Rectangular waveguide, 34.4dBi, 1ft dish
RFS	SB2-190RER	Ultra high performance, single polarized, 18GHz, Exalt ODU coupled, Rectangular waveguide, 39.5dBi, 2ft dish
RFS	SB4-190RER	Ultra high performance, single polarized, 18GHz, Exalt ODU coupled, Rectangular waveguide, 45.2dBi, 4ft/1.2m dish
Andrew	VHLP2.5-18-RR1	ValuLine III Next Generation Antenna, 18GHz, Exalt ODU coupled, Rectangular waveguide, 41.4dBi, 2.5ft dish
Andrew	VHLP2-18-RR1	ValuLine III Next Generation Antenna, 18GHz, Exalt ODU coupled, Rectangular waveguide, 39.1dBi, 2ft dish
Andrew	VHLP4-18-RR1A	ValuLine III Next Generation Antenna, 18GHz, Exalt ODU coupled, Rectangular waveguide, 45.1dBi, 4ft/1.2mdish
Andrew	VHLP6-18-RR1A	ValuLine III Next Generation Antenna, 18GHz, Exalt ODU coupled, Rectangular waveguide, 48.4dBi, 6ft/1.8m dish



January 2010 Price List

Recommended Third-Party Products

EX-s Series GigE

EX-s Series Antennas

11 GHz

Manufacturer	Mfg PN	Description
Radiowaves	HP2-23RR	High performance, Plane polarized, 23GHz, Exalt ODU-coupled, Rectangular waveguide, 40.7dBi, 2ft/0.6m dish
Radiowaves	HP3-23RR	High performance, Plane polarized, 23GHz, Exalt ODU-coupled, Rectangular waveguide, 44.2dBi, 3ft/0.9m dish
Radiowaves	HP4-23RR	High performance, Plane polarized, 23GHz, Exalt ODU-coupled, Rectangular waveguide, 46.6dBi, 4ft/1.2m dish
Radiowaves	HP6-23RR	High performance, Plane polarized, 23GHz, Exalt ODU-coupled, Rectangular waveguide, 6ft/1.8mt dish
Radiowaves	HPLP1-23RR	High performance, Plane polarized, 23GHz, Exalt ODU-coupled, Rectangular waveguide, 35.5dBi, 1ft dish
RFS	SB1-220RER	Ultra high performance, single polarized, 23GHz, Exalt ODU coupled, Rectangular waveguide, 35.9dBi, 1ft dish
RFS	SB2-220RER	Ultra high performance, single polarized, 23GHz, Exalt ODU coupled, Rectangular waveguide, 41.5dBi, 2ft/0.6m dish
RFS	SB4-220RER	Ultra high performance, single polarized, 23GHz, Exalt ODU coupled, Rectangular waveguide, 46.6dBi, 4ft/1.2m dish
Andrew	VHLP1-23-RR1	ValuLine III Next Generation Antenna, 23GHz, Exalt ODU coupled, Rectangular waveguide, 35.9dBi, 1ft dish
Andrew	VHLP2.5-23-RR1	ValuLine III Next Generation Antenna, 23GHz, Exalt ODU coupled, Rectangular waveguide, 43.4dBi, 2.5ft dish
Andrew	VHLP2-23-RR1	ValuLine III Next Generation Antenna, 23GHz, Exalt ODU coupled, Rectangular waveguide, 41dBi, 2ft/0.6m dish
Andrew	VHLP4-23-RR1A	ValuLine III Next Generation Antenna, 23GHz, Exalt ODU coupled, Rectangular waveguide, 47dBi, 4ft/1.2m dish
Andrew	VHPL6-23-RR1A	ValuLine III Next Generation Antenna, 23GHz, Exalt ODU coupled, Rectangular waveguide, 49.9dBi, 6ft/1.8m dish
Manufacturer	Mfg PN	Description
Radiowaves	HP6-59RR	High performance, Plane polarized, Lower 6Hz (5.925-6425), Exalt ODU-coupled, Rectangular waveguide, 39dBi, 6ft/1.8m dish



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Recommended Third-Party Products

EX-s Series GigE

EX-s Series Remote Mount

11 GHz

Manufacturer	Mfg PN	Description
Filtel	ADA-PLMT-8	11GHz remote antenna mount for Exalt ODU. WR75 to UBR100 (WR90)
Manufacturer	Mfg PN	Description
Filtel	ADA-PLMT-2	13 GHz remote antenna mount for Exalt ODU. WR75 to UBR120 (WR75).
Manufacturer	Mfg PN	Description
Filtel	ADA-PLMT-3	15 GHz remote antenna mount for Exalt ODU. WR62 to UBR140 (WR62).
Manufacturer	Mfg PN	Description
Filtel	ADA-PLMT-4	18GHz remote antenna mount for Exalt ODU. WR-42 to UBR 220 (WR42)
Andrew	RMK 18-26/RR	18 and 23 GHz remote antenna mount for Exalt ODU
Manufacturer	Mfg PN	Description
Filtel	ADA-PLMT-7	6 GHz remote antenna mount for Exalt ODU. Exalt ridge waveguide to UDR70 (WR137).
Radiowaves	RMK-59-RR	Radiowaves 6GHz remote antenna mount for Exalt ODU
Manufacturer	Mfg PN	Description
Andrew	RMK71/RC	7 GHz remote antenna mount for Exalt ODU
Manufacturer	Mfg PN	Description
Filtel	ADA-PLMT-1	7 & 8 GHz remote antenna mount for Exalt ODU. Circular waveguide 1.025" diameter to UBR84 (WR112).
Manufacturer	Mfg PN	Description
Andrew	RMK80/RC	8 GHz remote antenna mount for Exalt ODU



January 2010 Price List

Recommended Third-Party Products

EX-s Series GigE

Flex-twist Waveguide

10.0-15.0 GHz

Manufacturer	Mfg PN	Description
Andrew	F075KKS1	Flex-Twist WR-75, 10.0-15.0 GHz, PBR220 / PBR220, 300 mm
Andrew	F075KKS2	Flex-Twist WR-75, 10.0-15.0 GHz, PBR220 / PBR220, 600 mm
Andrew	F075KKS3	Flex-Twist WR-75, 10.0-15.0 GHz PBR220 / PBR220, 0.9m
Andrew	F075KKS4	Flex-Twist WR-75, 10.0-15.0 GHz, PBR220 / PBR220, 1.2m
Andrew	F075KKS5	Flex-Twist WR-75, 10.0-15.0 GHz, PBR220 / PBR220, 1.5 m
Manufacturer	Mfg PN	Description
Andrew	F042KKS1	Flex-Twist WR42, 17.7-26.5 GHz, PBR220 / PBR220, 300 mm
Andrew	F042KKS2	Flex-Twist WR42, 17.7-26.5 GHz, PBR220 / PBR220, 600 mm
Andrew	F042KKS3	Flex-Twist WR42, 17.7-26.5 GHz, PBR220 / PBR220, 0.9m
Andrew	F042KKS4	Flex-Twist WR42, 17.7-26.5 GHz, PBR220 / PBR220, 1.2m
Andrew	F042KKS5	Flex-Twist WR42, 17.7-26.5 GHz, PBR220 / PBR220, 1.5 m
Manufacturer	Mfg PN	Description
Radiowaves	FT137FD03D	6 GHz Lower flex-twist waveguide. 3'ft/1m



January 2010 Price List

Recommended Third-Party Products

EX-s Series GigE

Hot Standby Coupler

11 GHz

Manufacturer	Mfg PN	Description
Andrew	C0311/RR	Andrew hot standby coupler, 11GHz, 3dB symmetrical, Rectangular waveguide, Exalt ODU
Andrew	C0611/RR	Andrew hot standby coupler, 11GHz, 1/6dB asymmetrical, Rectangular waveguide Exalt ODU
Filtel	COUP11G-41-3	Filtel hot standby coupler, 11 GHz 3/3dB symmetrical, direct slip-fit antenna mount with WR75 output
Filtel	COUP11G-41-6	Filtel hot standby coupler, 11 GHz 1/6dB asymmetrical, direct slip-fit antenna mount with WR75 output
Filtel	COUP11G-61-3	Filtel hot standby coupler, 11 GHz 3/3dB symmetrical, pole mount with WR75 output
Filtel	COUP11G-61-6	Filtel hot standby coupler, 11 GHz 1/6dB asymmetrical, pole mount with WR75 output
Radiowaves	HSB-11RR	Radiowaves hot standby coupler, 11GHz, 1/6dB asymmetrical, rectangular waveguide, Exalt ODU

Manufacturer	Mfg PN	Description
Andrew	C0313/RR	Andrew hot standby coupler, 13 GHz, 3dB symmetrical, rectangular waveguide, Exalt ODU
Andrew	C0613/RR	Andrew hot standby coupler, 13 GHz, 1/6dB asymmetrical, rectangular waveguide, Exalt ODU
Filtel	COUP13G-42-3	Filtel hot standby coupler, 13 GHz 3/3dB symmetrical, direct slip-fit antenna mount with WR75 output
Filtel	COUP13G-42-6	Filtel hot standby coupler, 13 GHz 1/6dB asymmetrical, direct slip-fit antenna mount with WR75 output
Filtel	COUP13G-62-3	Filtel hot standby coupler, 13 GHz 3/3dB symmetrical, pole mount with WR75 output
Filtel	COUP13G-62-6	Filtel hot standby coupler, 13 GHz 1/6dB asymmetrical, pole mount with WR75 output
Filtel	COUP15G-43-3	Filtel hot standby coupler, 15 GHz 3/3dB symmetrical, direct slip-fit antenna mount with WR62 output

Manufacturer	Mfg PN	Description
Andrew	C0315/RR	Andrew hot standby coupler, 15 GHz, 3dB symmetrical, rectangular waveguide, Exalt ODU
Andrew	C0615/RR	Andrew hot standby coupler, 15 GHz, 1/6dB asymmetrical, rectangular waveguide, Exalt ODU
Filtel	COUP15G-43-6	Filtel hot standby coupler, 15 GHz 1/6dB asymmetrical, direct slip-fit antenna mount with WR62 output
Filtel	COUP15G-63-3	Filtel hot standby coupler, 15 GHz 3/3dB symmetrical, pole mount with WR62 output
Filtel	COUP15G-63-6	Filtel hot standby coupler, 15 GHz 1/6dB asymmetrical, pole mount with WR62 output



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Recommended Third-Party Products

EX-s Series GigE

Hot Standby Coupler

11 GHz

Manufacturer	Mfg PN	Description
Andrew	C0318/RR	Andrew hot standby coupler, 18GHz, 3dB symmetrical, Rectangular waveguide, Exalt ODU
Andrew	C0618/RR	Andrew hot standby coupler, 18GHz, 1/6dB asymmetrical, Rectangular waveguide Exalt ODU
Filtel	COUP18G-44-3	Filtel hot standby coupler, 18 GHz 3/3dB symmetrical, direct slip-fit antenna mount with WR42 output
Filtel	COUP18G-44-6	Filtel hot standby coupler, 18 GHz 1/6dB asymmetrical, direct slip-fit antenna mount with WR42 output
Filtel	COUP18G-64-3	Filtel hot standby coupler, 18 GHz 3/3dB symmetrical, pole mount with WR42 output
Filtel	COUP18G-64-6	Filtel hot standby coupler, 18 GHz 1/6dB asymmetrical, pole mount with WR42 output
Radiowaves	HSB-18RR	Radiowaves hot standby coupler, 18GHz, 1/6dB asymmetrical, rectangular waveguide, Exalt ODU
Manufacturer	Mfg PN	Description
Andrew	C0323/RR	Andrew hot standby coupler, 23GHz, 3dB symmetrical, Rectangular waveguide, Exalt ODU
Andrew	C0623/RR	Andrew hot standby coupler, 23GHz, 1/6dB asymmetrical, Rectangular waveguide Exalt ODU
Filtel	COUP23G-45-3	Filtel hot standby coupler, 23 GHz 3/3dB symmetrical, direct slip-fit antenna mount with WR42 output
Filtel	COUP23G-45-6	Filtel hot standby coupler, 23 GHz 1/6dB asymmetrical, direct slip-fit antenna mount with WR42 output
Filtel	COUP23G-65-3	Filtel hot standby coupler, 23 GHz 3/3dB symmetrical, pole mount with WR42 output
Filtel	COUP23G-65-6	Filtel hot standby coupler, 23 GHz 1/6dB asymmetrical, pole mount with WR42 output
Radiowaves	HSB-23RR	Radiowaves hot standby coupler, 23GHz, 1/6dB asymmetrical, rectangular waveguide, Exalt ODU
Manufacturer	Mfg PN	Description
Filtel	COUP6G-30-3	Filtel hot standby coupler, 6 GHz 3/3dB symmetrical, direct slip-fit antenna mount with waveguide output
Filtel	COUP6G-30-6	Filtel hot standby coupler, 6 GHz 1/6dB asymmetrical, direct slip-fit antenna mount (Exalt ODU output).
Filtel	COUP6G-50-3	Filtel hot standby coupler, 6 GHz 3/3dB symmetrical, pole mount with WR 137 output
Filtel	COUP6G-50-6	Filtel hot standby coupler, 6 GHz 1/6dB asymmetrical, pole mount with WR 137 output
Radiowaves	HSB-59R	Radiowaves 6 GHz (lower only) hot standby coupler, 1/6dB asymmetrical, Exalt ODU



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Hot Standby Coupler

11 GHz

Manufacturer	Mfg PN	Description
Andrew	C0370/RC	Andrew hot standby coupler, 7 GHz, 3dB symmetrical, circular waveguide, Exalt ODU
Andrew	C0670/RC	Andrew hot standby coupler, 7 GHz, 1/6dB asymmetrical, circular waveguide, Exal ODU
Manufacturer	Mfg PN	Description
Filtel	COUP7&8G-30-3	Filtel hot standby coupler, 7/8 GHz 3/3dB symmetrical, direct slip-fit antenna mount, circular waveguide
Filtel	COUP7&8G-30-6	Filtel hot standby coupler, 7/8 GHz 1/6dB asymmetrical, direct slip-fit antenna mount, circular waveguide
Filtel	COUP7&8G-50-3	Filtel hot standby coupler, 7/8 GHz 3/3dB symmetrical, pole mount, circular waveguide
Filtel	COUP7&8G-50-6	Filtel hot standby coupler, 7/8 GHz 1/6dB asymmetrical, pole mount, circular waveguide
Manufacturer	Mfg PN	Description
Andrew	C0380/RC	Andrew hot standby coupler, 8 GHz, 3dB symmetrical, circular waveguide, Exalt ODU
Andrew	C0680/RC	Andrew hot standby coupler, 8 GHz, 1/6dB asymmetrical, circular waveguide, Exal ODU

IF Lightning/Surge Protection

Manufacturer	Mfg PN	Description
Polyphaser	BGXZ-60NFNM-ALT	Lightning protector, DC and IF pass, N-Male connector protected side, F-Female connector surge side

SFP Plug-in Modules

Manufacturer	Mfg PN	Description
Avago Technologies	ABCU-5710RZ	1000BaseT Copper SFP module, 3.3VDC
Avago Technologies	AFBR-5710ALZ	1000BaseT Class-1 Multimode Fiber SFP module; 850 nm, 3.3VDC
Avago Technologies	AFCT-5710ALZ	1000BaseT Class-1 Single Mode Fiber SFP module; 1310 nm, 3.3VDC
Finisar	FCLF-8521-3	1000BaseT Copper SFP module, 3.3VDC
Finisar	FTLF-1318P2BTL	1000BaseT Single Mode Fiber, 1310nm, SFP module, 3.3VDC
Finisar	FTLF-8519P2BTL	1000BaseT Multimode Fiber SFP module, 850nm, 3.3VDC
FiberXon	FTM-8012C-SLiG	1000BaseT Class-1 Multimode fiber SFP module, 850nm, 3.3VDC