










# Product Line Overview

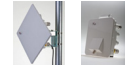






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Exalt offers an expansive portfolio of carrier-class, point-to-point microwave radios covering a wide range of configurations, frequencies, protocols, capacities, technologies and markets. Exalt microwave radios are characterized by numerous industry firsts, carrier-class operation and full software programmability.

**EX-s Series GigE.** The EX-s Series GigE split-mount, point-to-point microwave radios are ANSI/FCC and ITU/ETSI 6 – 40 GHz licensed band systems offering flexible native Ethernet and native TDM capacity and designed to support migration from TDM to IP and 3G to HSPA/4G/LTE. The split-mount, 1RU design combines indoor accessibility with the RF and cost efficiency of Exalt’s outdoor models while delivering state of the art Ethernet and TDM performance. Standard features include adaptive modulation and capacity aggregation.

<b>EX-s GigE 1000</b>		Licensed ANSI/FCC and ITU/ETSI band microwave radio system for service providers, enterprises and government organizations. Base configuration of 50 Mbps full-duplex Ethernet throughput is software upgradeable to 100, 200, 300 and 360 Mbps. Available in 1+0, 1+1 and 1+1 SD.
<b>EX-s GigE 8-1000</b>		Licensed ANSI/FCC and ITU/ETSI band microwave radio system for service providers, enterprises and government organizations. Base configuration of 50 Mbps full-duplex Ethernet plus 4xT1/E1 is software upgradeable to 100, 200, 300 and 360 Mbps Ethernet with 8xT1/E1. Available in 1+0, 1+1 and 1+1 SD.
<b>EX-s GigE 16-1000</b>		Licensed ITU/ETSI band microwave radio system for service providers, enterprises and government organizations. Base configuration of 50 Mbps full-duplex Ethernet throughput plus 8xT1/E1 is software upgradeable to 100, 200, 300 and 360 Mbps Ethernet with 16xT1/E1. Available in 1+0, 1+1 and 1+1 SD.
<b>EX-s GigE DS3/16-1000</b>		Licensed ANSI/FCC band microwave radio system for service providers, enterprises and government organizations. Base configuration of 50 Mbps full-duplex Ethernet throughput is software upgradeable to 100, 200 and 315 Mbps Ethernet with 1xDS3 and 16xT1/E1. Available in 1+0, 1+1 and 1+1 SD.
<b>EX-s GigE 4DS3/4-1000</b>		Licensed ANSI/FCC band microwave radio system for service providers, enterprises and government organizations. Base configuration of 50 Mbps full-duplex Ethernet throughput is software upgradeable to 4xDS3 and 4xT1/E1 with 100, 200 and 315 Mbps Ethernet. Available in 1+0, 1+1 and 1+1 SD.
<b>EX-s GigE 2OC3/4-1000</b>		Licensed ANSI/FCC band microwave radio system for service providers, enterprises and government organizations. Base configuration of 1xOC-3 with 200 Mbps full-duplex Ethernet throughput is software upgradeable to 2xOC-3 with 315 Mbps Ethernet. Available in 1+0, 1+1 and 1+1 SD.
<b>EX-s GigE 2STM1/4-1000</b>		Licensed ITU/ETSI band microwave radio system for service providers, enterprises and government organizations. Base configuration of 1xSTM-1 with 200 Mbps full-duplex Ethernet throughput is software upgradeable to 2xSTM-1 and up to 360 Mbps Ethernet. Available in 1+0, 1+1 and 1+1 SD.






**ExtendAir Line.** The ExtendAir Line of all-outdoor, point-to-point microwave radios are entry-level 4.9 GHz and 5 GHz systems offering flexible, upgradeable native Ethernet and native TDM capacity. ExtendAir systems are the first radios in the entry-level price category to offer guaranteed throughput, toll quality voice and best-in-class data networking capabilities.

<b>r4900 rc4900</b>		Licensed 4.9 GHz TDD microwave radio for government and public safety organizations. Base configuration of 27 Mbps aggregate Ethernet throughput is software upgradeable to a best-in-category 80/160 Mbps (20/40 MHz). 1x10/100BaseT port (PoE). Integrated panel antenna or connectorized.
<b>r4905 rc4905</b>		Licensed 4.9 GHz TDD microwave radio for government and public safety organizations. Base configuration of 27 Mbps aggregate Ethernet throughput is software upgradeable to a best-in-category 80/160 Mbps (20/40 MHz). 3x10/100BaseT port (PoE). Integrated panel antenna or connectorized.
<b>r4910 rc4910</b>		Licensed 4.9 GHz TDD microwave radio for government and public safety organizations. Base configuration of 4xT1/E1 and 27 Mbps Ethernet throughput is software upgradeable to a best-in-category 80/160 Mbps (20/40 MHz). 4xT1/E1 ports and 1x10/100BaseT port (PoE). Integrated or connectorized.
<b>r5000 rc5000</b>		License-exempt, tri-band 5 GHz TDD microwave radio for enterprises, service providers and government organizations. Base configuration of 27 Mbps aggregate Ethernet throughput is software upgradeable to a best-in-category 160 Mbps. 1x10/100BaseT port (PoE). Integrated panel antenna or connectorized.
<b>r5005 rc5005</b>		License-exempt, tri-band 5 GHz TDD microwave radio for enterprises, service providers and government organizations. Base configuration of 27 Mbps aggregate Ethernet throughput is software upgradeable to a best-in-category 160 Mbps. 3x10/100BaseT port (PoE). Integrated panel antenna or connectorized.
<b>r5010 rc5010</b>		License-exempt, tri-band 5 GHz TDD microwave radio for enterprises, service providers and government. Base configuration of 4xT1/E1 and 27 Mbps Ethernet throughput is software upgradeable to a best-in-category 160 Mbps. 4xT1/E1 ports and 1x10/100BaseT port (PoE). Integrated antenna or connectorized.
<b>r5015 rc5015</b>		License-exempt, tri-band 5 GHz TDD microwave radio for enterprises, service providers and government. Base configuration of 2xT1/E1 is software upgradeable to 4xT1/E1 and a best-in-category 160 Mbps. 4xT1/E1 ports and 1x10/100BaseT port (PoE). Integrated panel antenna or connectorized.

**EX-i Series.** The EX-i Series all-indoor, point-to-point microwave radios are 2 – 11 GHz long-haul systems offering flexible, upgradeable native Ethernet and native TDM capacity. The EX-i Series includes the first indoor carrier-class TDD systems in the industry and the first semi-protected 1.5+0 FDD systems, offering guaranteed performance, a rich feature set and easy interface accessibility.

<b>EX-2.4i Lite</b>		License-exempt 2.4 GHz TDD microwave radio for enterprises and mobile operators. Base configuration of 27 Mbps aggregate Ethernet throughput is software upgradeable to 55 or 100 Mbps with 2xT1/E1 or 4xT1/E1. 4xT1/E1 and 2x10/100BaseT ports.
<b>EX-2.4i</b>		License-exempt 2.4 GHz TDD microwave radio for enterprises and mobile operators. Base configuration of 100 Mbps aggregate Ethernet throughput plus 4xT1/E1 is software upgradeable to 200 Mbps Ethernet. Longest range, highest capacity radio available at 2.4 GHz. 4xT1/E1 and 2x10/100BaseT ports.
<b>EX-2.4i-16</b>		License-exempt 2.4 GHz TDD microwave backhaul radio for mobile operators. Base configuration of 100 Mbps aggregate Ethernet throughput plus 4xT1/E1 is software upgradeable to 200 Mbps Ethernet and 16xT1/E1. Only 2.4 GHz, native 16xT1/E1 radio on the market. Available in 1+1 protected configuration.
<b>EX-4.9i</b>		Licensed 4.9 GHz TDD microwave radio for government and public safety organizations. Base configuration of 27 Mbps aggregate Ethernet throughput plus 2xT1/E1 is software upgradeable to 55 Mbps Ethernet with 2xT1/E1 or 4xT1/E1. 4xT1/E1 and 2x10/100BaseT ports.
<b>EX-5i Lite</b>		License-exempt, tri-band 5 GHz TDD microwave radio for enterprises and mobile operators. Base configuration of 27 Mbps aggregate Ethernet throughput is software upgradeable to 55 or 100 Mbps with 2xT1/E1 or 4xT1/E1. 4xT1/E1 and 2x10/100BaseT ports.
<b>EX-5i</b>		License-exempt, tri-band 5 GHz TDD microwave radio for enterprises and mobile operators. Base configuration of 100 Mbps aggregate Ethernet throughput plus 4xT1/E1 is software upgradeable to 200 Mbps Ethernet. 4xT1/E1 and 2x10/100BaseT ports.
<b>EX-5i-16</b>		License-exempt, tri-band 5 GHz TDD microwave backhaul radio for mobile operators. Base configuration of 100 Mbps aggregate Ethernet throughput plus 4xT1/E1 is software upgradeable to 200 Mbps Ethernet and 16xT1/E1. Available in 1+1 protected configuration.
<b>EX-5i-DS3</b>		License-exempt, tri-band 5 GHz TDD microwave backhaul radio for mobile operators. Base configuration of 100 Mbps aggregate Ethernet throughput plus 4xT1/E1 is software upgradeable to 200 Mbps Ethernet and 16xT1/E1 and/or 1xDS3. Available in 1+1 protected configuration.
<b>EX-6i-DS3-GigE</b>		Licensed ANSI/FCC 6 GHz FDD microwave backhaul radio for mobile operators, enterprises and government. Base configuration of 20 Mbps full-duplex Ethernet throughput is software upgradeable to 187 Mbps Ethernet with 1xDS3 and/or 16xT1/E1. Available in 1+0, 1+1 and 1.5+0 semi-protected.
<b>EX-6i-4DS3-GigE</b>		Licensed ANSI/FCC 6 GHz FDD microwave backhaul radio for mobile operators, enterprises and government. Base configuration of 1xDS3 and 166 Mbps full-duplex Ethernet throughput is software upgradeable to 187 Mbps Ethernet with 4xT1/E1 and 4xDS3. Available in 1+0, 1+1 and 1.5+0.
<b>EX-6i-OC3-GigE</b>		Licensed ANSI/FCC 6 GHz FDD microwave backhaul radio for mobile operators, enterprises and government. Base configuration of 1xOC-3 and 166 Mbps full-duplex Ethernet throughput is software upgradeable to 187 Mbps Ethernet with 4xT1/E1. Available in 1+0, 1+1 and 1.5+0 semi-protected.
<b>EX-11i-DS3-GigE</b>		Licensed ANSI/FCC 11 GHz FDD microwave backhaul radio for mobile operators, enterprises and government. Base configuration of 45 Mbps full-duplex Ethernet throughput is software upgradeable to 252 Mbps Ethernet with 1xDS3 and/or 16xT1/E1. Available in 1+0, 1+1 and 1.5+0 semi-protected.
<b>EX-11i-4DS3-GigE</b>		Licensed ANSI/FCC 11 GHz FDD microwave backhaul radio for mobile operators, enterprises and government. Base configuration of 1xDS3 and 166 Mbps full-duplex Ethernet throughput is software upgradeable to 252 Mbps Ethernet with 4xT1/E1 and 4xDS3. Available in 1+0, 1+1 and 1.5+0.
<b>EX-11i-OC3-GigE</b>		Licensed ANSI/FCC 11 GHz FDD microwave backhaul radio for mobile operators, enterprises and government. Base configuration of 1xOC-3 and 166 Mbps full-duplex Ethernet throughput is software upgradeable to 252 Mbps Ethernet with 4xT1/E1. Available in 1+0, 1+1 and 1.5+0 semi-protected.

**EX-r Series.** The EX-r Series all-outdoor, point-to-point microwave radios are 4.5 GHz, 4.9 GHz and 5 GHz systems offering flexible native Ethernet and native TDM capacity. Radios in the EX-r Series are the first all-outdoor carrier-class TDD systems in the industry, offering guaranteed performance, a rich feature set and maximum deployment flexibility.

<b>EX-4.5r GigE EX-4.5r-c GigE</b>		Licensed 4.5 GHz, ultra-high performance TDD microwave radio systems for government and military organizations in NATO countries. Base configuration of 110 Mbps aggregate Ethernet throughput is software upgradeable to an industry-best 440 Mbps Ethernet with 4xT1/E1. 2x10/100/1000BaseT ports. Available with integrated panel antenna or connectorized.
<b>EX-4.9r v2 EX-4.9r-c v2</b>		Licensed 4.9 GHz TDD microwave radio for government and public safety organizations. Base configuration of 27 Mbps aggregate Ethernet throughput is software upgradeable to 55 Mbps Ethernet with 2xT1/E1 or 4xT1/E1. Available with integrated panel antenna or connectorized.
<b>EX-5r Lite EX-5r-c Lite</b>		License-exempt, tri-band 5 GHz TDD microwave radio for enterprises, service providers and government and public safety organizations. Base configuration of 27 Mbps aggregate Ethernet throughput is software upgradeable to 100 Mbps Ethernet with 2xT1/E1 or 4xT1/E1. Integrated antenna or connectorized.
<b>EX-5r v2 EX-5r-c v3</b>		License-exempt, tri-band 5 GHz TDD microwave radio for enterprises and service providers. Base configuration of 100 Mbps aggregate Ethernet throughput is software upgradeable to 200 Mbps Ethernet and 4xT1/E1. Integrated panel antenna or connectorized.
<b>EX-5r GigE EX-5r-c GigE</b>		License-exempt, tri-band 5 GHz, ultra-high performance TDD microwave backhaul radio for service providers and mobile operators. Base configuration of 220 Mbps aggregate Ethernet throughput is software upgradeable to an industry-best 440 Mbps with 4xT1/E1. 2x10/100/1000BaseT ports. Available with integrated panel antenna or connectorized.