

The EX-s series split-mount, software configurable microwave radio systems from Exalt lead the next generation of wireless backhaul technology used by carrier and enterprise customers worldwide. Designed with the same strict carrier-class requirements as the all-indoor EX-i and the all-outdoor EX-r series platforms, the highly flexible split-mount EX-s series radios cover the most ANSI and CEPT licensed and frequency bands from 2 to 40 GHz.



Carrying native TDM and native IP traffic, the EX-s series IDUs provide over 1000Mbps aggregate capacity through a variety of user interface options from 10/100/1000BaseT with 4xT1/E1 to GigE with expandable NxT1/E1 plus DS3 or E3. With software upgradeability and configuration control for channel bandwidth, modulation, and TDM/IP capacity via software, there is no need for field replaceable plug-ins or downtime to migrate TDM traffic to emerging IP-based network services.

The EX-s series plug-and-play ODUs have been designed to interface with any of the IDU options through a single coax cable with fully automatic configuration. This helps users reduce overall cost through simple installation, minimized sparing, and simple maintenance. Other features include security with AES encryption and secure SNMPv3 management. Configurable in standalone 1+0, monitored hot-standby 1+1, and space diversity, the EX-s series also provides enhanced fault-management and diagnostic features with 99.999% link availability for true carrier-class performance.

- Licensed ANSI and CEPT
- Over 1 Gbps aggregate throughput
- 6 to 40 GHz band options
- Native TDM and IP
- Very low latency
- Ethernet + nxT1/E1 + DS3/E3
- Selectable channel bandwidth
- IDU-ODU auto configuration
- Secure SNMPv3 management
- AES 128 and 256 encryption
- Built-in spectrum analyzer
- $\pm 20-60$ VDC power supply

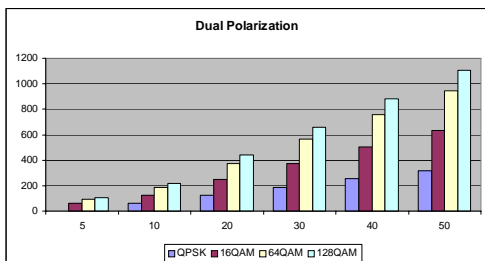
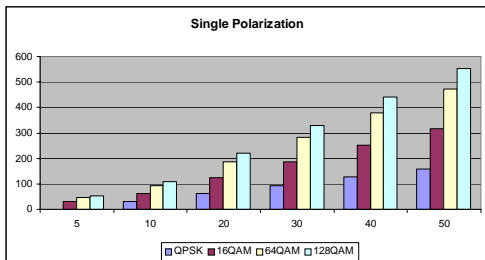


Band Agnostic	Optimized performance and flexibility for licensed or unlicensed band applications from 2 to 40GHz. ETSI and FCC
Plug and play ODU	Auto-configuration reduces costs and simplifies sparing
Software configurable	Allocate IP and TDM capacity as needed without hardware upgrades or replacement modules
Flexible User Interfaces	Ethernet, nxT1/E1, DS3/E3 10/100/1000BaseT
Protection	Carrier-class 1+1 monitored hot standby protection and space diversity deliver maximum flexibility and reliability
Wide-mouth DC power	Support for multiple applications from cell sites to central offices, enterprise, and industrial locations
Extended temperature	Exceptional environmental resiliency for IDU and ODU from -40 to +65C

Popular frequencies (GHz)

2.4-2.48
4.94-4.99
5.25-5.85
5.92-7.12
7.12-7.89
10.67-11.70
12.75-13.25
14.40-15.40
17.70-19.70
21.20-23.60
37.00-40.00

Maximum aggregate capacity by channel size in Mbps



Carrier-class availability	99.999% availability with guaranteed throughput over distance
Management	HTTP and SNMPv3 management provide secure access and control
Data support	802.1Q VLAN support and Jumbo frame 1916 packet sizes for special data networking applications
Security	A proprietary 96-bit security key delivers secure over-the-air connections. Optional 128 and 256 AES encryption are also available
Performance	High spectral efficiency and system gain ensures the highest performance for the required range and throughput
A complete Exalt solution	The EX-s series platform can be combined with the all-indoor EX-i series and the all-outdoor EX-r series in various network topologies and using both licensed and unlicensed bands to create large backbone networks covering large geographic areas

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