



EtherHaul™ -1200FX

Carrier Grade, Best Value E-band Radio

The EtherHaul-1200FX radio provides wireless point-to-point Ethernet connectivity. Delivering 1000Mbps full duplex, this radio is designed to meet the growing need of businesses and service providers for high-capacity, easy to install, secure and future-proof networks.

EH-1200FX radio features bridging capabilities, as well as enhanced Hitless Adaptive Bandwidth, Coding & Modulation, maximizing spectral efficiency and improving link availability.

The EH-1200FX all outdoor radio is based on Siklu's revolutionary integrated-silicon technology, which results in a highly reliable, small, lightweight, cost-effective radio. The EtherHaul is field-proven in thousands of installations.

Operating in the uncongested and inexpensively licensed E-band spectrum, Siklu's radios feature the advantages of FDD technology operating at 71-76/81-86GHz.



Highlights

- Field proven technology
- Reduced TCO and fast ROI
- Integrated silicon solution
- High performance
 - ✓ High throughput, low latency
 - ✓ Fiber-like functionality
- Spectrum efficient
 - ✓ Uncongested, inexpensive E-band license fees
 - ✓ Hitless Adaptive Bandwidth Coding and Modulation for high availability
 - ✓ High-gain, pencil-beam antenna
- Integrated L2 switch
- All-outdoor small footprint
 - ✓ Small and light
 - ✓ Quick and easy to install

Typical Applications

- Business Broadband Connectivity
- Fiber Extension
- Wireless Security Networks
- LAN to LAN Connectivity
- Temporary Network Deployments

EtherHaul™-1200FX General Specifications

Frequency, duplexing scheme	71-76/81-86GHz, FDD
Modulation	QPSK/QAM16/QAM64
Adaptive rate	Hitless adaptive bandwidth, coding and modulation, boosting system gain by 25dB
Throughput	1000Mbps (FD)
Link Budget	(BER=10 ⁻⁶) 182dB (including 1ft antennas gain) ; 196dB (including 2ft antennas gain)
Interfaces	2xGbE 1000BaseT ports
Antenna	Integrated 1ft (31cm), 43dBi External 2ft (65cm), 50dBi
Power	PoE+ (IEEE 802.3at with power boost)
L2 bridging	IEEE 802.1d Transparent Bridging Jumbo frames
Network topologies	Ring, daisy chain, mesh
Encryption	AES 128-bit and 256-bit
Management	In-band, out-of-band, embedded CLI, web GUI, SNMPv2/3
Environmental	Operating temperature: -45° ÷ +55°C Ingress protection rating: IP67
Regulatory	ETSI EN 302 217-3, FCC 47 CFR part 101:2009, CE marked, EMC, safety UL60750
Dimensions	ODU (H x W x D) - 24.5 cm x 22.5 cm x 7 cm (9.7" x 8.9" x 2.75") ODU + 1ft Antenna (Dia. x Depth) - 31 cm x 13 cm (12.2" x 4.3") ODU + 2ft Antenna (Dia. x Depth) - 65 cm x 37 cm (25.6" x 15.35")
Weight	ODU + 1ft Antenna: 4 kg (8.8 lbs) ODU + 2ft Antenna: 10Kg (23 lbs)

 EH Wireless Connection

 Fiber Connection

