



EtherHaul™- 1200FX

E-Band Radio

1000 Mbps full duplex
Carrier grade, best value

Design a Future-Proof Wireless Network

The EtherHaul-1200FX radio delivers ultra high capacity wireless point-to-point Ethernet connectivity that future-proofs your network. With a throughput of 1000 Mbps full duplex over the uncongested 71-76/81-86GHz spectrum using FDD, broadband service providers and businesses extending their networks can deploy affordable, high capacity wireless links that are easy to install and maintain.

Based on a Cost Reducing All-Silicon Technology

The EH-1200F radio is based on Siklu's advanced integrated-silicon technology, which increases reliability and reduces size and cost. The result is a very small, very light radio with a 90-year MTBF and an unbeatable price/throughput.

Easy Spectrum Acquisition in Urban Areas

The E-band spectrum is uncongested, even in dense urban areas. Use of a high-gain, pencil-beam antenna guarantees available spectrum anywhere and maximizes spectrum re-use. E-band also offers low licensing fees and quick licensing processes.

Carrier Grade Performance over Wireless

High throughput and low latency combine to deliver fiber-like performance. The EH-1200FX incorporates Hitless Adaptive Bandwidth Coding and Modulation for high availability. And an integrated L2 switch and extra port enable service differentiation and SLA guarantees without the need for additional equipment.

Typical Applications

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

Small Size, Easy to Deploy & Manage

The all-outdoor radio has a tiny footprint that eases site acquisition. Its light weight and small size contribute to a quick and easy installation. Easy to use web GUI manages local and remote units and can copy configuration changes automatically to remote.

Field Proven Best Seller

The EtherHaul-1200 is the world's best selling millimeter wave radio. Thousands of units have been deployed and are performing reliably in varying weather conditions all over the globe.

Improves the Bottom Line

The EH-1200FX provides a fast return on investment (ROI) and minimizes total cost of ownership (TCO). The all-silicon design delivers unbeatable price/MB; small and light form factor lowers installation costs, and the high reliability reduces site visits.

Siklu
Magic in the air

EtherHaul™- 1200FX Specifications

Frequency, duplexing scheme	71-76/81-86GHz, FDD
Modulation	QPSK-1/QPSK-2/QPSK-3/QAM16/QAM64
Adaptive rate	Hitless adaptive bandwidth, coding and modulation, boosting system gain by 25dB
Throughput	1000 Mbps full duplex
Link budget (BER=10 ⁻⁶)	182dB (including 1ft antennas' gain) ; 196dB (including 2ft antennas' gain)
System specifications (BER=10 ⁻⁶)	Tx power +7dBm (max +10dBm) ; Receiver threshold -86dBm
Interfaces	2xGbE ports: 1000BaseT ports
Antenna	Integrated 1ft (31cm), 43dBi ; External 2ft (65cm), 50dBi
Power	PoE+ (IEEE 802.3at with power boost)
Ethernet Features	IEEE 802.1d Transparent Bridging QoS aware forwarding Jumbo frames up to 16k
Network topologies	Ring, daisy chain, mesh
Encryption	AES 128-bit and 256-bit
Management, provisioning & commissioning	Web GUI (one click management of local & remote units), embedded CLI, SNMPv2/3, in-band, out-of-band Zero touch turn-up, TACACS+, RADIUS
Environmental	Operating temperature: -45° ÷ +55°C Ingress protection rating: IP67
Regulatory	ETSI EN 302 217, FCC 47 CFR part 101, CE marked, EMC, safety UL60950
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: 4.5 kg (9.9 lbs) ODU + 2ft antenna: 10.7Kg (23.5 lbs)