EtherHaul™-1200TL

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

Carrier Grade, Best Value E-band Radio

The EtherHaul-1200TL radio provides wireless point-to-point Ethernet connectivity. Delivering 700Mbps, this radio is designed to meet the growing need of businesses and service providers for high-capacity, carrier-grade, secure and future-proof networks.

EH-1200TL radio features networking and QoS, as well as enhanced Hitless Adaptive Bandwidth, Coding & Modulation, maximizing spectral efficiency and improving link availability.

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

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

Typical Applications

- Business Broadband Connectivity
- Fiber Extension
- LAN to LAN Connectivity
- Temporary Network Deployments

EtherHaul™-1200TL Specifications

Frequency, duplexing scheme	71-76GHz, TDD
Modulation	QPSK/QAM16
Adaptive rate	Hitless adaptive bandwidth, coding and modulation, boosting system gain by 21dB
Throughput	700Mbps aggregated (with asymmetric/symmetric downlink/uplink rate support)
Link Budget (BER=10^{-6})	171dB (including 1ft antennas gain) 185dB (including 2ft antennas gain)
Interfaces	2xGbE ports: a combination of 1000BaseT and SFP slots
Antenna	Integrated 1ft (31cm), 43dBi External 2ft (65cm), 50dBi
Power	PoE+ (IEEE 802.3at) Wide-voltage interface: ±21-57VDC Power supply input redundancy
Ethernet features	VLAN (IEEE 802.1q) and VLAN stacking (Q-in-Q, IEEE 802.1ad Provider Bridge) IEEE 802.1d Transparent Bridging QoS, traffic shaping, and policing MEF 9,14 compliant Jumbo frames up to 16k
Network topologies	Ring, daisy-chain and 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, CE marked, EMC, safety UL60950
Dimensions	ODU (H x W x D) - 24.5 cm x 22.5 cm x 5 cm (9.7" x 8.9" x 2") 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 14.6")
Weight	ODU + 1ft antenna: 3.5 kg (7.7 lbs) ODU + 2ft antenna: 10Kg (22.4lbs)