



EtherHaul™ - 1200TL

E-Band Radio

700 Mbps aggregated
Carrier grade, best value

Extend Your Network Profitably

The EtherHaul-1200TL radio delivers ultra high capacity wireless point-to-point Ethernet connectivity that future-proofs your network. With an aggregated throughput of 700 Mbps over the uncongested 71-76GHz spectrum using TDD, service providers and businesses can deploy affordable, high capacity wireless links that are easy to install and maintain.

Based on a Cost Reducing All-Silicon Technology

The EH-1200TL 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.

Asymmetric Capacity Optimization

Operating in TDD allows you to set-up asymmetric capacity configuration. Match your upload/download rates to your application and optimize use of spectrum even further.

Carrier Grade Performance over Wireless

High throughput and low latency combine to deliver fiber-like performance. The EH-1200TL incorporates Hitless Adaptive Bandwidth Coding and Modulation for high availability. And an integrated L2 switch with an 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-1200TL 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™- 1200TL Specifications

| | |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency, duplexing scheme | 71-76GHz, TDD |
| Modulation | QPSK-1/QPSK-2/QPSK-3/QAM16 |
| Adaptive rate | Hitless adaptive bandwidth, coding and modulation, boosting system gain by 21dB |
| Throughput | 700 Mbps aggregated (with asymmetric/symmetric downlink/uplink rate) |
| Link budget (BER=10 ⁻⁶) | 171dB (including 1ft antennas' gain) ; 185dB (Including 2ft antennas' gain) |
| Interfaces | 2xGbE combo ports, each either RJ-45 or SFP slot |
| Antenna | Integrated 1ft (31cm), 43dBi ; External 2ft (65cm), 50dBi |
| Power | PoE+ (IEEE 802.3at) Wide-voltage input: ±21+57VDC |
| 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 and 21 compliant 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 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: 9.4Kg (20.7 lbs) |