EtherHaul™- 1200TX E-Band Radio

1Gb aggregated, carrier grade, best value

Extend Your Network Profitably

The EtherHaul-1200TX radio delivers up to 1000 Mbps over the uncongested 71-76GHz bands using TDD technology. Service providers and businesses can deploy affordable, interference-free point to point connectivity to future-proof their networks.

Field Proven Best Seller

The EtherHaul-1200TX is part of the EtherHaul-1200 series which is Siklu's flagship product line and the world's bestselling millimeter wave radio. Thousands of units have been deployed and are performing reliably in varying weather conditions all over the globe.

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 typically offers low licensing fees and quick licensing processes.

Small Size, Easy to Deploy & Manage

The all-outdoor radio has a tiny footprint that eases site acquisition. Its light weight and small size contributes to a quick and straightforward installation. Its user-friendly web GUI manages local and remote units and can copy configuration changes automatically to the remote unit.

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.

Typical Applications

► Business Broadband Connectivity

► Fiber Extension

► Wireless Security Networks

► WiFi Backhaul

► LAN to LAN Connectivity

Carrier Grade Performance Over Wireless

High throughput and low latency combined to deliver fiber-like performance. The EH-1200TX incorporates QoS aware hitless adaptive bandwidth coding and modulation for high availability. An integrated L2 switch with an extra port enables various topologies implementation (cascade or ring) without the need for additional equipment.

Cost Reducing All-Silicon Technology

The EH-1200TX 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 more than an 80-year MTBF and an unbeatable price to throughput value.

Improves the Bottom Line

The EH-1200TX provides fast Return On Investment (ROI) and minimizes Total Cost of Ownership (TCO). The all-silicon design delivers unbeatable price per MB value combined with a small and light form factor lowering installation costs, increasing reliability and reducing site visits.

Siklu
Magic in the air

EtherHaul™- 1200TX Specifications

Frequency, Duplexing scheme	71-76 GHz, TDD
Modulation	QPSK-1/QPSK-2/QPSK-3/QAM16/QAM64
Adaptive rate	Hitless adaptive bandwidth, coding and modulation, boosting system gain by 25dB
Throughput	700Mbps upgraded up to 1000 Mbps aggregated (with asymmetric/symmetric downlink/uplink rate)
Link budget (BER=10-6)	175dB (including 1ft antennas' gain) ; 189dB (including 2ft antennas' gain)
Traffic Interfaces	2x GE cooper ports
Antenna options	1ft (31cm) -43dBi antenna gain, 2ft (65cm) -50dBi antenna gain
Ethernet features	IEEE 802.1d Transparent Bridging QoS aware forwarding Jumbo frames
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
Topologies	Ring, daisy chain, mesh
Conformance	ETSI EN 302 217, FCC 47 CFR part 101, CE marked, EMC, safety UL60950
Environmental characteristic	Operating Temperature: -45° ÷ +55°C (-49° ÷ +131°F) Ingress Protection Rating - IP67
Input Power	PoE+ (IEEE 802.3at)
Output Power	PoE out 13W (IEEE 802.3af)
Dimensions (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 15.35")
Weight	ODU + 1ft antenna: 4 kg (7.7 lbs) ODU + 2ft antenna: 9.4Kg (20.7 lbs)

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