

# EtherHaul™-1200TXv100 Datasheet



## Best Value Gigabit Connectivity

### Typical Applications

- Business Broadband
- Video Surveillance Connectivity
- Wi-Fi Backhaul
- Campus Connectivity
- Fiber Extension

### Extend Your Network Profitably

The EtherHaul-1200TX radio delivers up to 200Mbps (aggregated) over the uncongested 71-76GHz band. Integrators and businesses can deploy affordable, interference-free point-to-point connectivity to futureproof their networks and enhance competitiveness.

### Easy Spectrum Acquisition in Urban Areas

The 10GHz-wide E-Band spectrum is uncongested, even in dense urban areas. The combination of abundant spectrum and high-gain, pencil-beam antennas guarantee channel availability everywhere, and maximized spectrum re-use. The E-Band also has very low licensing fees and quick acquisition procedures.

### Small Size, Easy to Deploy & Manage

The all-outdoor radio has a small footprint that eases site acquisition. Its light weight and small size ensure swift and straightforward installations, while user-friendly web GUI manages local and remote unit and can also copy configuration changes automatically to the remote unit.

### Asymmetric Capacity Optimization

Operating in TDD enables setting-up asymmetric capacity configuration. Upload/download rates are easily matched to applications, and spectrum usage is optimized.

### Field Proven Best Seller

Siklu's flagship product line, the EtherHaul series, is the world's bestselling millimeter wave radio. Ten's of thousands of units have been globally deployed, and perform reliably in diverse weather conditions.

### Carrier Grade Performance over Wireless

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

### Groundbreaking All-Silicon Technology

The EH-1200TX is based on Siklu's advanced integrated silicon technology for reducing size and cost and increasing reliability. The result is a 90-year MTBF necessitating less site visits, decreased installation fees and a fast ROI with minimized TCO - all creating an unbeatable price/throughput.



# EtherHaul™-1200TXv100 Specifications



Frequency, Duplexing	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; with ATPC
Throughput	100Mbps upgradable to 200 Mbps aggregated (with asymmetric/symmetric downlink/uplink rate)
Link budget (BER=10 <sup>-6</sup> )	175dB (including 1ft antenna gain); 189dB (including 2ft antenna gain)
Ethernet interfaces	4x GE ports: 2x copper + 2x SFP slots
Antenna options	1ft (31cm) -43dBi antenna gain 2ft (65cm) -50dBi antenna gain
Ethernet features	IEEE 802.1d Transparent bridging Out of the box: 8 levels of QoS-aware forwarding Smart Ethernet pipes 16K byte 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, 30-day RF statistics history
Topologies	Ring, daisy-chain, mesh
Conformance	ETSI EN 302217, FCC 47 CFR part 101, CE marked, EMC, safety UL60950
Environmental characteristics	Operating Temperature: -45° ÷ +55°C (-49° ÷ +131°F) Ingress Protection Rating -IP67
Power supply	PoE+ (IEEE 802.3at) DC input: ±37-57VDC Hot standby power supply input redundancy
Power consumption	26W
Dimensions (H x W x D)	24cm x 22.5 cm x 5 cm (9.7 inches x 8.9 inches x 2 inches) ODU + 1ft antenna (dia. x depth) -31 cm x 13 cm (12.2 inches x 4.3 inches) ODU + 2ft antenna (dia. x depth) -65 cm x 37 cm (25.6 inches x 15.35 inches)
Weight	ODU + 1ft antenna: 4 kg (7.7 lbs) ODU + 2ft antenna: 9.4Kg (20.7lbs)