EtherHaul™-600TL Data Sheet

World's smallest street-level Gigabit 60GHz radio

Game Changing Network Connectivity

The EtherHaul-600TL delivers wireless Gigabit, interference-free, Ethernet connectivity. Operating over an unlicensed band, the point-to-point link is swiftly deployed to backhaul capacity-hungry video surveillance cameras, Wi-Fi hotspots, Gigabit-To-The-Home (GTTH) and business broadband services.

Applications for a Wide Range of Vertical Markets

- Video Surveillance Connectivity
- Gigabit-To-The-Home (GTTH)
- Business Broadband
- Wireless Internet Service Providers (WISPs)
- Wi-Fi backhaul

World's Smallest Radio   5.9"x6.1"x3.54" 15x15.5x9cm

The one-box solution is swiftly and seamlessly integrated with street fixtures - greatly alleviating lengthy permit procedures. The palm-sized radio also incorporates an integrated antenna and GbE switch, with PoE-In and PoE-Out, eliminating the need for external devices used for cascading and servicing network supplementary devices such as cameras.

Plentiful License-Free Spectrum

Siklu's 60GHz solution utilizes the ample 7GHz wide V-Band spectrum in the most efficient way known today. With 8 non-overlapping full capacity channels, which are also user-selectable, the EH-600TL provides an exceptionally scalable solution for capacity-hungry dense networks.

Interference-Free Communication

Optimal narrow beams, and the high attenuation of the non-utilized 60GHz band facilitate interference-free service and an impressive reuse of spectrum resources. Siklu's EH-600TL empowers networks with fiber-like robust quality connectivity.

Robust & Futureproof

The tiny all-weather IP67 sealed radio guarantees predicted carrier grade performance, even in harsh conditions, and enables futureproof systems and easily maintained SLAs. The combination of Gigabit capacity and sub-millisecond latency is leveraged to create scalable street-level extended cascading, reducing the number of aggregation points.

Field Proven

Siklu's 60GHz solution utilizes EtherHaul's groundbreaking, all-silicon technology to provide proven reliability in all weather conditions. With an MTBF of over 80 years, thousands of units are successfully deployed around the globe.

Deploy & Go

With no Telco knowledge required, QoS-aware, Gigabit Ethernet service is deployed in a mere 15 minutes. Advanced configuration is available via an intuitive WebGUIa, while additional services may be remotely activated from a NOC.

Exceptional Value

The EH-600TL provides a fast Return On Investment (ROI) and minimizes Total Cost of Ownership (TCO). With marginal deployment costs, and a minimal number of required site visits for support services, the solution delivers an unbeatable price/Mb.

Scalable & Efficient

The inherent narrow beams, and high attenuation of the non-utilized 60GHz band are leveraged to optimize reuse of spectrum resources and to facilitate delivering excellent service and to enable scalability. Siklu's unique all-silicon technology and modem enable utilizing a wider range of channels, and take advantage of the 60GHz spectrum non-linear attenuation. The EH-600TL is the only radio that enables users to select both high and low attenuations of the 60GHz band.

Siklu
Magic in the air

EtherHaul™-600TL Specifications

Frequency, Duplexing	57-64 GHz, TDD
Channels	8 non-overlapping, full capacity
Modulation	QPSK-1/QPSK-2/QPSK-3/QAM16/QAM64
Adaptive rate	5 levels of hitless adaptive bandwidth, coding and modulation, boosting gain by 18dB
Throughput	Up to 1000 Mbps aggregated (with asymmetric/symmetric downlink/uplink rate)
Interfaces	3xGbE copper ports
Antenna	Integrated, 35dBi
Power supply	PoE+ (IEEE 802.3at)
PoE out	PoE out 13W (IEEE 802.3af)
Ethernet features	IEEE 802.1d transparent bridging MAC learning QoS-aware forwarding Jumbo frames
Security	AES 128-bit and 256-bit
Management and provisioning	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, UK IR 2078 & IR 2000, USA FCC Part 15.255, EMC, safety UL60950
Environmental	Operating Temperature: -45° to +55°C (-49° to +131°F) Ingress Protection Rating: IP67
Dimensions	Integrated ODU + antenna 15x15.5x9cm (5.9x6.1x3.5")
Weight	Integrated ODU + antenna 1.8 kg (3.9 lbs)

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