EtherHaul™-600T

Small Cell Backhaul V-band Radio

The EtherHaul-600T radio provides wireless point-to-point Gigabit Ethernet connectivity over the 57-66GHz unlicensed V-band spectrum. Optimized for small cell backhaul, it is designed to meet mobile service providers' stringent requirements for easily installed, high-capacity, carrier-grade backhaul solutions.

The EH-600T is based on Siklu's revolutionary integrated-silicon technology, which results in a highly reliable, zero footprint, low-cost radio.

The EH-600T offers Gigabit throughput, MEF-compliant networking and QoS, enhanced Hitless Adaptive Bandwidth, Coding & Modulation for maximum spectral efficiency and link availability. It supports network synchronization, advanced OAM&PM tools and ring protection optimized for small cell and mobile backhaul. It features multiple GbE interfaces supporting complex network topologies, such as daisy chain, ring, and mesh and colocation installation. All in a very small and light outdoor package that is optimized for street level installations and designed to overcome pole sway, twist and/or tilt. The EH-600T is fast, simple and inexpensive to deploy.

Highlights

- Field proven technology
- Reduced TCO and fast ROI
- Zero-touch installation and comissioning
- Optimized for street level deployment
  - ✓ Works on poles, walls, traffic lights and more
  - ✓ Designed to overcome sway, twist and/or tilt
- All-outdoor invisible footprint
  - ✓ Small and light
- Spectrum efficiency
- Hitless Adaptive Bandwidth Coding and Modulation for high availability
- Advanced layer-2 features:
  - ✓ MEF-compliant QoS
  - ✓ VLAN, Provider Bridge
  - ✓ SLA assurance
- Advanced AES encryption

Typical Applications

- Small Cell Backhaul
- Video Surveillance

EtherHaul™-600T Specifications

Frequency, duplexing scheme	57-64GHz, 64-66GHz* , TDD
Modulation	QPSK/QAM16/QAM64
Adaptive rate	Hitless adaptive bandwidth, coding and modulation, boosting system gain by 25dB
Throughput	Up to 1000Mbps aggregated (with asymmetric/symmetric downlink/uplink rate support)
Typical link distance	200-500m
Interfaces	3xGbE copper ports
Antenna	Integrated, 32dBi
Power options	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 Ethernet OAM and CFM (IEEE 802.1ag / ITU-T Y.1731 / IEEE 802.3ah) Ethernet Ring Protection (ITU-T G.8032) Jumbo frames up to 16k
Synchronization	IEEE 1588v2 TC Synchronous Ethernet ITU-T G.8261/8262/8264
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° ÷ +50°C Ingress protection rating: IP67
Regulatory	ETSI EN 302 217-3, CE marked, EMC, safety UL60950
Dimensions	ODU+ Antenna (H x W x D) - 15 cm x 15 cm x 8 cm (5.9" x 5.9" x 3.2")
Weight	ODU + antenna: 1.8 kg (3.9 lbs)

* May require different hardware

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