



EtherHaul™-1200T

The EtherHaul-1200T radio provides wireless point-to-point Gigabit Ethernet connectivity operating in the 71-76GHz lightly licensed E-band spectrum, using TDD technology.

Based on Siklu's revolutionary integrated-silicon technology, EtherHaul-1200T is a highly reliable, small, light-weight field proven solution.

EtherHaul-1200T is designed to meet the growing need of mobile operators, service providers and businesses for secure and reliable high-capacity network connectivity. It is a carrier-grade radio that offers Gigabit throughput, MEF-compliant networking and QoS. The product features enhanced Hitless Adaptive Bandwidth, Coding & Modulation for maximum spectral efficiency, and link availability.

EH1200T supports network synchronization and ring protection, and is optimized for mobile backhaul. EtherHaul-1200T includes multiple GbE interfaces, supporting complex network topologies, such as daisy chain, ring and mesh. All in a small and light outdoor package that is fast, simple, and inexpensive to deploy.

Typical Applications

Mobile backhaul	Backhaul for mobile services ✓ 3G/4G/WiMAX/LTE/LTE+
Business services connectivity	✓ Leased line replacement ✓ LAN and fiber extension
LAN to LAN connectivity	High capacity and secure connectivity ✓ Healthcare ✓ Education ✓ Security ✓ Disaster recovery
Temporary network deployments	



Features & Benefits

- **Field proved technology and products**
- **Reduced TCO and fast ROI**
- **High performance**
 - ✓ High throughput, low latency
 - ✓ Fiber-like functionality
- **Spectrum efficient**
 - ✓ Uncongested, inexpensive Eband license fees
 - ✓ Hitless Adaptive Bandwidth Coding and Modulation for high availability
 - ✓ High-gain, pencil-beam antenna
- **Advanced Layer-2 features:**
 - ✓ MEF-compliant QoS
 - ✓ VLAN, Provider Bridge
 - ✓ SLA assurance
- **All-outdoor small footprint**
 - ✓ Small and light
 - ✓ Quick and easy to install
- **Advanced AES encryption**
 - ✓ Secured transmission
- **Integrated silicon solution**
- **Zero Touch installation**



EtherHaul™-1200 General Specifications

Frequency and technology	<ul style="list-style-type: none"> TDD: 71-76GHz
Modulation	<ul style="list-style-type: none"> QPSK/QAM16/QAM64
Adaptive modulation	<ul style="list-style-type: none"> Hitless adaptive bandwidth, coding and modulation, boosting system gain by 25dB
Over-the-air throughput	<ul style="list-style-type: none"> Up to 1000Mbps (HD)
System gain (BER=10 ⁻⁶)	<ul style="list-style-type: none"> 182dB (including 1ft antennas gain) 196dB (including 2ft antennas gain)
Interfaces	<ul style="list-style-type: none"> 4xGbE: 2xcopper+ 2xfiber ports
Antenna	<ul style="list-style-type: none"> Integrated 1ft (31cm), 43dBi External 2ft (65cm), 50dBi
Power	<ul style="list-style-type: none"> PoE+ (IEEE 802.3at) Wide-voltage interface: ±21-57VDC Power supply redundancy (PoE and DC input)
Ethernet features	<ul style="list-style-type: none"> 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)
Synchronization	<ul style="list-style-type: none"> IEEE 1588 TC Synchronous Ethernet ITU-T G.8261/8262/8264
Network topologies	<ul style="list-style-type: none"> 1+0, 1+1, 2+0, Ring, Daisy-chain and mesh
Encryption	<ul style="list-style-type: none"> AES 128-bit and 256-bit
Management	<ul style="list-style-type: none"> In-band, out-of-band, embedded CLI, web GUI, SNMPv2/3
Environmental	<ul style="list-style-type: none"> Operating temperature: -45° ÷ +55° C Ingress protection rating: IP67
Regulatory	<ul style="list-style-type: none"> ETSI EN 302 217-4, CE marked, EMC, safety
Dimensions	<ul style="list-style-type: none"> ODU (H x W x D) - 24.5 cm x 22.5 cm x 7 cm ODU + Antenna (Dia. x Depth) -31 cm x 13 cm
Weight	<ul style="list-style-type: none"> ODU + antenna (31 cm): 4 kg

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