



EtherHaul™-1200F-L

The EtherHaul-1200F-L product provides wireless point-to-point 700Mbps Ethernet connectivity. It is designed to meet the growing need of carriers and businesses for secure and reliable high-capacity network connectivity.

Based on Siklu's revolutionary integrated-silicon technology, EtherHaul-1200F-L provides a high performance E-band radio solution that is highly reliable, small, light-weight and easy to install.

EtherHaul-1200F-L offers high throughput, MEF-compliant networking and QoS. The product features enhanced Hitless Adaptive Bandwidth, Coding & Modulation for maximum spectral efficiency, and link availability.



Typical Applications

Business services connectivity	<ul style="list-style-type: none"> ✓ Leased line replacement ✓ LAN and fiber extension
LAN to LAN connectivity	High capacity and secure connectivity <ul style="list-style-type: none"> ✓ Healthcare ✓ Education ✓ Security ✓ Disaster recovery
Temporary network deployments	
Redundant connectivity	

Features & Benefits

- **Field proven technology and products**
- **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
- **All-outdoor small footprint**
 - ✓ Small and light
 - ✓ Quick and easy to install
- **Reduced TCO and fast ROI**
- **Advanced AES encryption**
 - ✓ Secured transmission



EH1200F-L Technical specifications

Interfaces	<ul style="list-style-type: none"> Ethernet : 2 x 100/1000Base-T (RJ45) + 2 x 1000Base-X (SFP) AUX port - DVM probe interface for alignment
System throughput	<ul style="list-style-type: none"> 700Mbps full duplex
Radio	<ul style="list-style-type: none"> Operating Frequency Range - 71-76/81-86GHz Duplexing- FDD Modulation Schemes- QPSK-4 to QAM 16 RF Channel Arrangement- <ul style="list-style-type: none"> 500 MHz: 71375 / 81375 + n x 500 MHz, n=0...8 250 MHz: 71250 / 81250 + n x 250 MHz, n=0...18 Hitless adaptive bandwidth, coding and modulation, boosting system gain by 25dB
System Gain	<ul style="list-style-type: none"> 182dB (including 1ft antennas gain) 196dB (including 2ft antennas gain)
Antenna	<ul style="list-style-type: none"> Integrated 1ft (31cm) Cassegrain reflector <ul style="list-style-type: none"> 43dBi antenna gain External 2ft (65cm) Cassegrain reflector <ul style="list-style-type: none"> 50dBi antenna gain
Power specifications	<ul style="list-style-type: none"> Standard Input - -48 VDC, -24 VDC DC Input wide Range - -21 ÷ -57 VDC Power over Ethernet Input - IEEE 802.3at-2009 (with power boost) Power redundancy - PoE and power input redundancy
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
Security	<ul style="list-style-type: none"> AES 128-bit and 256-bit
Management	<ul style="list-style-type: none"> Out of band , Inband management via Vlan, CLI/Telnet via SSH Embedded WEB GUI LLDP- 802.1AB SNMPv2/3
Conformance	<ul style="list-style-type: none"> CE marked RF: EN 302 217-3 1.3.1 EMC- EN 301 489-4 Safety - UL60950
Environmental characteristic	<ul style="list-style-type: none"> Operating Temperature- -45° ÷ +55° C Ingress Protection Rating - IP67
Mechanical	<ul style="list-style-type: none"> 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 - 31 cm (Dia. x Depth): 31 cm x 13 cm Weight : <ul style="list-style-type: none"> ODU: 2.5 kg ODU + antenna (31 cm): 4 kg



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