EtherHaul™-2500F
E-Band Radio

2Gbps Full Duplex, Carrier-Grade, Field Proven

Design a Future-Proof Wireless Network

The EtherHaul-2500F radio delivers 2Gbps full duplex point-to-point wireless Ethernet connectivity to future-proof your network. With FDD radio operating over the interference-free 71-76/81-86GHz band, the EtherHaul-2500F makes it easy for providers and businesses to extend their networks and to add affordable, high capacity wireless links that are easy to install and maintain.

Fast Spectrum Acquisition at a Minimal Cost

The E-band spectrum is uncongested, in rural and dense urban areas. Use of a high-gain pencil-beam antenna, guarantees available spectrum anywhere and maximizes spectrum re-use. The EtherHaul-2500F maximizes throughput, reach and availability. Additionally, the E-band technology offers low licensing fees and prompt licensing processes at competitive prices.

Carrier Grade Performance Over Wireless

High throughput and low latency combine to deliver fiber-like performance. The EH-2500F incorporates QoS aware hitless adaptive bandwidth coding and modulation for high availability.

Build Up Resiliency and Availability

The EH-2500F has an integrated L2 switch, and the extra ports enabling deployment in ring, mesh or any high resiliency topology that is needed.

Small Size, Easy to Deploy & Manage

The all-outdoor radio has a tiny footprint that eases site acquisition. Its light-weight and small size contribute to a quick and easy installation. Easy to use web GUI manages local and remote units to enable fast commissioning and configuration.

Typical Applications

- ▸ Fiber Extension
- ▸ Business Services Connectivity
- ▸ Wireless Security Networks
- ▸ Mobile Backhaul

Cost Reducing All-Silicon Technology

The EH-2500F radio is based on Siklu's advanced integrated-silicon technology, which increases reliability and reduces size and cost. The result is a very small, very light radio with more than an 80-year MTBF and an unbeatable price to throughput value.

Based on Field Proven Platform

The EH-2500F is the 2Gigabit, long-range evolution of the best- selling EtherHaul™ series. The EtherHaul™ is the world's top millimeter wave radio, thousands of units have been deployed and are performing reliably in varying weather conditions all over the globe.

Improves the Bottom Line

The EH-2500F provides fast return on Investment (ROI) and minimizes Total Cost of Ownership (TCO). The advanced 2Gigabit system, delivers unbeatable price per MB value together with a small and light form factor lowering installation costs, increasing reliability and reducing site visits. Ultra-fast activation time with the unbeatable reliability will become your "winning card" at any competitive environment.

Siklu
Magic in the air

EtherHaul™-2500F Specifications

Frequency, Duplexing scheme	71-76 / 81-86GHz, FDD
Modulation	BPSK1/BPSK2/QPSK/QAM16/QAM32
Max Tx power	+19dBm
Adaptive rate	Hitless adaptive bandwidth, coding and modulations
Throughput	Up to 2000Mbps full-duplex
Channel & Bandwidth	1000Mbps@250MHz 2000Mbps@500/750/1250MHz
Traffic Interfaces	4x GE ports: 2xCopper RJ45 + 2 SFP's
Antenna options	1ft (31cm) Cassegrain reflector - 43dBi antenna gain, 0.9° 2ft (65cm) Cassegrain reflector - 50dBi antenna gain , 0.4°
Input power	PoE+ (IEEE 802.3at); ±36+57VDC
Ethernet features	IEEE 802.1d Transparent Bridging, IEEE 802.1ad provider bridge Smart Ethernet pipes QoS, traffic shaping and policing
Advanced L2 features	Eth OAM (IEEE802.1ag/Y.1731/IEEE802.3ah) G.8032 ERPS delivering sub 50mSec ring protection
Synchronization	1588 TC Synchronous Ethernet ITU-T G.8261/8262/8264
MEF compliant	MEF services compliant MEF 9,14 and 21 complaint
Management	Web GUI (one click management of local & remote units) Embedded CLI, SNMPv2/3, in-band, out-of-band Zero touch turn-up, TACACS+, RADIUS
Environmental	Operating Temperature: -45° ÷ +55°C (-49° ÷ +131°F) Ingress Protection Rating: IP67
Regulatory	ETSI EN 302 217, FCC 47 CFR part 101:2009 , CE marked, EMC, safety UL60950
Dimensions	ODU only: (H x W x D) 24.5 cm x 22.5 cm x 7 cm (9.7" x 8.9" x 2") ODU + 1ft Antenna: (Dia. x Depth) 31 cm x 13 cm (12.2" x 4.3") ODU + 2ft antenna: (Dia. x Depth) 65 cm x 37 cm (25.6" x 15.35")
Weight	ODU + 1ft antenna: 4.5 kg; ODU + 2ft antenna: 9.4 Kg

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hello@siklu.com

www.siklu.com