



EtherHaul™-1200 - Cutting-Edge Gigabit Ethernet Radio

For Carriers, the Enterprise and Everything In-Between

Boasting a cost-effective and reliable VLSI architecture, the carrier grade Siklu high capacity wireless Ethernet systems offers flexible support of 71-76 GHz regulated E-Band. Offering the industry's lowest total cost of ownership (TCO), the unique dual spectrum support makes Siklu systems - designed with strenuous carrier wireless backhaul demands in mind - equally at home in the mobile backhaul, in the enterprise, or in Ethernet service provider networks.

High Capacity, Carrier Ethernet Functionality

The Siklu systems enables easy migration to support Gigabit throughput - allowing operators to enhance bandwidth capacity on a "pay as you grow" basis. Supporting point-to-point, daisy-chain, ring and mesh configurations, the Siklu solutions offer carrier class availability and services.

Easily integrated into provider or enterprise networks, the Siklu systems provide advanced carrier Ethernet features including cutting-edge, integrated Layer 2 switching and Ethernet OA&M capabilities. Highly-scalable, the Siklu products are software-upgradable to support future Layer 3 networking and routing capabilities as networks evolve to flat-IP topologies.

Enhancing the inherent reliability and robustness of the E-Band frequency spectrum, the Siklu solutions features advanced adaptive modulation and coding - allowing operators to maintain, prioritize, and verify QoS in all weather conditions, and achieve maximum (up to 99.999%) link availability.

Offering easy and low cost all-outdoor installation and a small form factor, the Siklu systems are also environmentally-friendly - boasting a small antenna footprint, and especially low power consumption.

EtherHaul Advantages

- The industry's lowest TCO, carrier-grade high capacity wireless Ethernet system for mobile backhaul, enterprise, and other applications
- Low cost - E-Band (71-76 GHz) spectrum
- Robust and reliable architecture, highly-scalable
- Easy installation, low OpEx, small form factor

EtherHaul™-1200

Product Features	
Operational Frequency (GHz)	71 - 76 * According to CEPT/ETSI regulations or FCC Rules
Throughput	Up to 1Gbps (500Mbps full duplex, or asymmetric)
Operational Mode	Adaptive Bandwidth, coding and modulation
Range <ul style="list-style-type: none">• Availability - 99.999%• Antenna size - 1 ft. Depending on the rain zone	70 GHz - Up to 2,500 meters
Carrier Ethernet	<ul style="list-style-type: none">• Layer 2 switching capabilities• Quality of Service (QoS), policing and prioritization• Ethernet OA&M• Link aggregation
Management	<ul style="list-style-type: none">• Local and Remote (In-Band)• CLI, SNMP, Web-based
Data Interfaces	10/100/1000BaseX Copper and Optical
Power	DC and Power over Ethernet (PoE)
Environmental	According to EN 300 019

About Siklu

Siklu redefines wireless backhaul by optimizing every aspect of mm-wave system design to enable service providers to boost network capacity and performance, while dramatically reducing costs by 80%. By re-engineering mm-wave system components, and leveraging silicon-based technologies, Siklu provides gigabit-per-second wireless connectivity at the lowest price point in the industry. Siklu's solutions are easily scalable enabling service providers to evolve their networks from 2G/3G to HSPA and 4G and incorporate capabilities to support future topologies. In addition, Siklu's environmentally friendly design results in easier and quicker deployment and adoption.

Siklu Communication Ltd.
7, Shoham St.
Petach Tikva 49517, Israel
Tel: +972 3 921 4015
Fax: +972 3 921 4162
info@siklu.com

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