

Item no.: EH-500TX-ODU-POE

## EH-500TX-ODU-POE - EtherHaul-500TX Wireless Bridge

from **1.060,61 EUR**

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shipping weight: 2.00 kg  
Manufacturer: Siklu



### Product Description

The Right Capacity - at the Right Price Interference-free Ethernet everywhere The EtherHaul-500TX wireless bridge delivers cost-efficient, interference-free, Ethernet connectivity. Operating over an uncongested band, the point-to-point radio link is swiftly deployed on any street furniture to enable capacity-hungry services. Applications for a Wide Range of Vertical Markets- Video Surveillance Connectivity (CCTV)- Wi-Fi Hotspot Backhaul- Business Broadband- Campus Connectivity World's Smallest 60GHz Radio – less than 2 liters The palm-sized radio is swiftly and seamlessly integrated with street furniture - greatly alleviating site acquisition procedures. The one-box solution incorporates an integrated antenna and Ethernet switch, with PoE-In and dual PoE-Out. These features reduce the number of fragile cable-runs and power sources, and eliminate the need for external devices. Cascading radios and servicing supplementary devices such as surveillance cameras and Wi-Fi access points are simplified. Plentiful License-Free Spectrum Siklu's 60GHz solution utilizes the ample 9GHz-wide V-Band spectrum in the most efficient way known today. With 8/11 non-overlapping full capacity channels, which are also user-selectable, the EH-500TX provides the most cost-effective scalable solution on the market for dense street-level networks. Interference-Free Communication The non-linear high attenuation of the 60GHz spectrum is utilized to facilitate optimal matching between the link length and selected channel. This results in unmatched frequency reuse capabilities, while the inherent narrow beams further increase reuse factors. These features ensure interference-free, full capacity service, and empower networks with fiber-like connectivity. Robust & Futureproof The field proven, all-weather IP67 sealed radio guarantees predicted carrier grade performance, even in harsh conditions; facilitating futureproof investment and easily maintained SLAs. The combination of interference-free capacity and sub-millisecond latency is leveraged to create scalable street-level extended cascading, while reducing the number of aggregation points. Field Proven Siklu's 60GHz solution utilizes EtherHaul's groundbreaking, all-silicon technology to provide proven reliability. Tens of thousands of units are successfully deployed around the globe with a 90-year MTBF. Versatile Integrated Toolkit Siklu listens to customer pain points, and has combined the powerful network processor with the market's most advanced all-silicon RF circuit to ensure that service providers save OPEX:- IPERF: integrated TCP and UDP load tester eases commissioning and remote trouble-shooting procedures.- Spectrum Analyzer: eases operational channel selection and fault analysis. Deploy & Go With no Telco knowledge required, out-of-the-box 8-levels of QoS-aware Ethernet services may be deployed in just 15 minutes. Optional advanced configuration is available via an intuitive Web GUI, while additional services may be remotely activated from a NOC. Exceptional Value With minimal deployment costs and virtually no maintenance, the EH-500TX minimizes Total Cost of Ownership (TCO) and provides a Return On Investment (ROI) often measured in months; providing an unbeatable price/Mb.- Frequency 57-64GHz / 57-66GHz\*, TDD- Channels 8 / 11\* non-overlapping channels; User selectable BW: 125/250/500MHz- Modulation & Adaptive rate QPSK-1/QPSK-2/QPSK-3/QAM16/QAM64 hitless adaptive bandwidth, coding and modulation boost gain by up to 22dB- Throughput Up to 200 Mbps aggregated \*\* (User selectable symmetric or asymmetric bandwidth allocation: 50%/50% or 75%/25%)- Interfaces 3xGbE copper ports- Reach Typical: 700m; Maximum: 1,500m (rain zone-dependent)- Antenna Integrated, 36dBi (built-in the ODU)- Power supply PoE+ (IEEE 802.3at), 26W without PoE-Out; up to 78W with PoE-Out- PoE-out\*\* Port 2: up to 40W (IEEE 802.3at); Port 3: up to 26W (IEEE 802.3at)- Ethernet features IEEE 802.1d transparent bridging Flexible 8-level QoS-aware SF/WFQ forwarding, based on VLAN-id/p-bits, IPv4 DSCP or MPLS EXP4K VLANs 16K jumbo frames MEF 9, 14 and 21 Redundancy and networking: LAG/LACP (IEEE 802.3ad), ERPS\*\* (ITU-T G.8032)- Security AES 128-bit and 256-bit- Management & provisioning Zero-touch turn up; In-band, out-of-band management Web GUI (one-click configuration of local and remote units) & Embedded CLISNMPv2/3, TACACS+, RADIUS Link OAM\*\* & Connectivity Fault Management (CFM)\*\*: IEEE802.3ah & IEEE802.1ag Performance Monitoring\*: ITU-T Y.1731 Spectrum analyzer & IPERF TCP/UDP capacity tester- Topologies Ring, daisy-chain, mesh- Conformance ETSI EN 302 217, UK IR 2078 & IR 2000, USA FCC Part 15.255, EMC, safety UL60950- Environmental Operating Temperature: -45° to +55°C (-49° to +131°F) Ingress Protection Rating: IP67- Dimensions ODU + integrated antenna: 5.9" x 6.1" x 3.5" (16.5 x 16.5 x 10cm)- Weight ODU + integrated antenna: 3.9 lbs. (1.8 kg)

### Specifications

Scan this QR code to view the product  
All details, up-to-date prices and availability

