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# Siklu EtherHaul EH-600TX 58 GHz mmWave Radio, 500 Mbps, Mounting Kit, PoE Injector

SKU
WIF-SK-00008
MPN
EH-600TX-ODU-POE

**Description**

Siklu's EtherHaul EH-600TX is a high performance gigabit wireless link designed to provide L2 data rates up to 500 Mb/s (upgradeable up to 1 Gb/s) over short ranges. The unit is extremely compact, allowing discreet L2 bridging. Transmitting a relatively low EIRP mmWave beam, EH-600TX is user-safe with minimal EME exposure.

Operating in the 58 and 61 GHz mmWave bands, a 500 Mb/s microwave link can be established with minimal ACMA licencing requirements.

- One of the smallest gigabit radios on the market delivering range and capacity, making site acquisition and installation on street furniture straightforward
- Carrier grade predictable performance ideal for mission critical network connectivity
- Up to 1 Gb/s throughput (with additional licence) over ranges as far as 2.6 km
- Field proven advanced all-silicon integration yields a high 90 year MTBF
- Installation and support of Siklu radios can be performed by anyone, with minimal training
- Prioritized ...

Read More

This system is designed for street-level or building-to-building wireless bridging. The 58 GHz band faces considerable oxygen absorption and rain-fade effects, limiting its recommended range to just under the one kilometre mark.

EH-600TX is a very cost effective gigabit solution that can be provided operating under LIPD Class licence rules (including in the global ISM 61 GHz band).




Siklu
BY CERAGON

**Siklu (now Ceragon)**

Siklu brought to the market affordable gigabit capacity for a variety of applications. We created the first mass-produced millimeter wave radio, the EtherHaul™-1200 which is still the most deployed mmWave connectivity solution in the world.

Our products operate in the virtually interference free 60 to 70 GHz / 80 GHz frequency bands.  This large swath of available frequency stems from the fact that ...

Network Interfaces

Wireless Interfaces

Topology

Point-to-Point (P2P)

Max. Throughput

1000 Mb/s

Encryption

AES-128

Max. Clients

1

Aggregate Channel Width

500 MHz

| Wireless Bands | Path Mode | Start Frequency | Stop Frequency | MIMO | Channel Width | Modulation | Max. Data Rate |
|---|---|---|---|---|---|---|---|
| 61 GHz | TDD | 57000 MHz | 66000 MHz | 1x1 SISO | 500 MHz | 64QAM | 1000 Mb/s |

Ethernet Interfaces

| Interface | Quantity | Function | Signalling | PoE Input | PoE Output |
|---|---|---|---|---|---|
| RJ45 Copper | 1 | Data + PoE Input | 100BASE-T, 1000BASE-T | 802.3at PoE+ | |
| RJ45 Copper | 2 | Aux + PoE Output | 100BASE-T, 1000BASE-T | | 802.3at PoE+ |

Antenna Specifications

Start Frequency

57000 MHz

Stop Frequency

66000 MHz

Polarisation

Vertical (V)

Input Impedance

50 Ω

Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain |
|---|---|---|
| 57000 MHz | 66000 MHz | 36 dBi |

# Physical Specification

Subtype

Wireless Bridge
Min. Operating Temperature
-45 °C
Max. Operating Temperature
55 °C
Ingress Protection
IP67
MTBF
> 788400 h
Dimensions
51.6 × 51 × 100 mm
Weight
1.8 kg
Materials
Plastic
Compliance/Certifications
RCM
Power Specifications
Max. Consumption
26 W
Power Options
Power over Ethernet

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