

## Xm/5X.500.2x500.2x26

4.9 - 6.0 GHz

**Description** InfiLINK XG high-capacity Integrated 26 dBi Dual-polarization Antenna Point-to-Point backhaul

**Performance** Up to 480 Mbps

**Distances** 50 km

**Radio**

- Radio technology: MIMO 2x2 (Cyclic single carrier)
- Modulation types: from QPSK to QAM256, as well as QAM1024
- Transmit power: up to 27 dBm
- Receiver sensitivity: down to -94 dBm
- Frequency bands: 4.9-6.0 GHz
- Channel bandwidth: 10, 20, 40 MHz

**Wired Interfaces**

- 2x 10/100/1000 Base-T copper ports, RJ-45
- SFP port

**Power Consumption**

Consumption:

- up to 30 Watts

Power options:

- 90-240 VAC ~ @ 50/60 Hz
- 43..56 VDC

**Form Factor and Dimensions**



371 x 371 x 83 mm, 2.35 kg

**Part Number Options** Xm/5X.500.2x500.2x26

## FEATURES

### HIGHEST SPECTRAL EFFICIENCY

Best-in-class 13 bps/Hz  
In excess of 100 Mbps net throughput even in only 10 MHz channel width  
Innovative radio technology for NLOS and reflected signal conditions

### SUPERIOR PERFORMANCE AND PROCESSING POWER

Unmatched 1 million packets-per-second processing power  
Full capacity at any packets sizes and for any type of traffic

### UNMATCHED CAPACITY

Net performance of 240 Mbps in 20 MHz and 480 Mbps in 40 MHz

### FLEXIBILITY

Available in connectorized configuration and with integrated 23 dBi and 28 dBi flat-panel dual-polarity antennas  
Easy-to-align and easy-to-install  
Fully configurable uplink/downlink ratio  
Very small footprint

### RELIABILITY & ROBUSTNESS

Ruggedized aluminum cast IP66 & IP67 enclosure  
Extended temperature range of -40° to +60°C, with 100% humidity  
No link degradation even in harsh weather conditions  
Built-in surge protection

### LONGEST REACH

Distances in excess of 30 km with integrated antennas, and more than 100 km with external high gain antennas  
High-power transmitter and high sensitivity even at highest modulations, ensuring maximal link budget  
Unprecedented system gain of 177 dB even with integrated antennas

### SEAMLESS INTEGRATION

Extended QoS support  
Two Gigabit Ethernet ports  
SFP optical port  
IEEE 1588  
Full-fledged L2 switching

### ULTRA-LOW LATENCY

Ultra-low consistent 0.5 ms latency at any distance  
Configurable frame size

### IMPROVED NOISE IMMUNITY / INTERFERENCE AVOIDANCE

On-site synchronization for best spectrum utilization  
-40 dB adjacent channel separation

