

InfiLINK XG Xm/5X.500.2x500.2x23

| | |
|---|--|
| Description | InfiLINK XG Xm/5X.500.2x500.2x23, 5 GHz point-to-point unit, net throughput up to 500 Mbps, integrated dual-pol antenna, 23 dBi, 10x10 deg |
| Net throughput | up to 500 Mbps |
| Recommended distances | up to 30 km |
| Radio technology | MIMO 2x2, Cyclic single carrier |
| Modulation coding schemes | from QPSK 1/4 to QAM1024 8/10 |
| Transmit power | up to 27 dBm |
| Receiver sensitivity | down to -92 dBm |
| Frequency range | 4900-6000 MHz |
| Channel width | 10, 20, 40 MHz |
| Center frequency adjustment step | 1 MHz |
| Duplex scheme | TDD, Hybrid-FDD |
| Antenna | 23 dBi |
| Wired Interfaces | 2x GigabitEthernet, SFP |



InfiLINK XG Xm/5X.500.2x500.2x23

| | |
|--|---|
| Consumption | up to 30 W |
| Power options | 90-240 VAC @ 50/60 Hz, 43..56 VDC (802.3at compliant) |
| Outdoor Unit (ODU) | 305 x 305 x 67 mm, 2.4 kg |
|  | |



InfiLINK XG Xm/5X.500.2x500.2x23

Features

RADIO

- ▶ **Best-in-breed spectral efficiency**
 - up to 14 bps/Hz
 - real throughput in excess of 130 Mbps in just 10 MHz of spectrum
- ▶ **High transmit power and perfect sensitivity even at the highest-order modulations**
 - Reliable signal receiving in both LOS and NLOS conditions
- ▶ **TDD synchronization using a built-in GNSS receiver**
- ▶ **Instant DFS - dynamic interference mitigation and avoidance mode**
 - Background spectrum scan
 - Seamless automatic uplink/downlink channel change to the least congested frequency available

NETWORKING

- ▶ **Built-in full-fledged L2 switch supporting VLAN and STP**
- ▶ **Transparent L2 transport for Ethernet traffic of any type**
- ▶ **Timing transport using precision time protocol (IEEE 1588v2) support**
 - transparent clock mode supported

MANAGEMENT FEATURES

- ▶ **Web-based graphical user interface**
- ▶ **Command line interface**
- ▶ **SNMP v1/2c/3 support (MIB-II and proprietary MIBs)**
- ▶ **Centralized monitoring using EMS InfiMONITOR.**

QUALITY-OF-SERVICE

- ▶ **QoS support:**
 - 4 priority queues: strict and weighted prioritisation
 - Classification based on IEEE 802.1p
 - Egress rate limiting on each network port

INSTALLATION AND DIAGNOSTIC TOOLS

- ▶ **LED indication**
 - power status
 - wired and wireless link status
 - received signal strength indication
 - TDD sync status
- ▶ **Web GUI tools**
 - antenna alignment tool
 - spectrum analyzer



InfiLINK XG Xm/5X.500.2x500.2x23

Features

ENVIRONMENTAL

- ▶ **Outdoor unit:**
 - Operating temperature range $-40..+60^{\circ}\text{C}$
 - IP66/IP67 compliant water and dust protection
 - wind load: 200 kph, survival

- ▶ **Indoor unit**
 - 100-240 VAC ~ @ 50/60 Hz or $\pm 43.. \pm 56$ VDC, 802.3at compliant
 - power consumption up to 60 W

STANDARD COMPLIANCE

- ▶ **Safety:**
 - EN 60950-1:2006, UL 60950-1 2nd ed.

- ▶ **Radio:**
 - EN 301 893 v.1.8.1, EN 302 502, v.1.2.1, FCC part 15.247

- ▶ **EMC:**
 - ETSI EN 301 489-1, ETSI EN 301 489-17, FCC Part 15 Class B

- ▶ **RoHS:**
 - Directive 2011/65/EU

