


## InfiLINK XG Xm/6X.500.2x500.2x24

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|----------------------------------|--|
| Description                      | InfiLINK XG Xm/6X.500.2x500.2x24, 6 GHz point-to-point unit, net throughput up to 500 Mbps, integrated dual-pol antenna, 24 dBi, 9x9 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                  | 6000-6425 MHz  |
| Channel width                    | 10, 20, 40 MHz   |
| Center frequency adjustment step | 1 MHz  |
| Duplex scheme                    | TDD  |
| Antenna                          | 24 dBi   |
| Wired Interfaces                 | 2x GigabitEthernet, SFP  |



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|--------------------|--|
| Consumption        | up to 30 W   |
| Power options      | 90-240 VAC @ 50/60 Hz, 43..56 VDC  |
| Outdoor Unit (ODU) | 305 x 305 x 67 mm, 2.4 kg  |
|                    |   |
| Packing List       | <ul style="list-style-type: none"> <li>– Outdoor unit Xm/6X.500.2x500.2x24 - 1 pcs.</li> <li>– Power Supply IDU-BS-G(60W) - 1 pcs.</li> <li>– Power Cord - 1 pcs.</li> <li>– Cable Gland for RJ-45 - 2 pcs.</li> <li>– Cable Gland for optical cable - 1 pcs.</li> <li>– Standard RJ-45 connector - 2 pcs.</li> <li>– Shielded RJ-45 connector - 1 pcs.</li> <li>– RJ-45 Plug Cap - 1 pcs.</li> <li>– MONT-KIT-85 Mounting kit - 1 pcs.</li> <li>– Quick Start Guide - 1 pcs.</li> </ul> |



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## 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**

### NETWORKING

- ▶ **Built-in full-fledged L2 switch supporting VLAN and STP**
- ▶ **Transparent L2 transport for Ethernet traffic of any type**

### 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



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## Features

### ENVIRONMENTAL

- ▶ **Outdoor unit:**
  - Operating temperature range  $-40\text{..}+60^{\circ}\text{C}$ , (can be extended to  $-55\text{..}+60^{\circ}\text{C}$ , models with "t" index in PN)
  - IP66/IP67 compliant water and dust protection
  - wind load: 200 kph, survival
- ▶ **Indoor unit**
  - 100-240 VAC ~ @ 50/60 Hz or  $\pm 43\text{..}\pm 56$  VDC, 802.3at compliant
  - power consumption up to 60 W

### STANDARD COMPLIANCE

- ▶ **Safety:**
  - EN 60950-1:2006, UL 60950-1 2nd ed.
- ▶ **Radio (pending):**
  - EN 302 326-2
- ▶ **EMC:**
  - ETSI EN 301 489-1, ETSI EN 301 489-17, FCC Part 15 Class B
- ▶ **RoHS:**
  - Directive 2011/65/EU

