


# InfiLINK XG Xm/2X.500.2x500.2x19

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| <b>Description</b>                      | InfiLINK XG Xm/2X.500.2x500.2x19, 2 GHz point-to-point unit, net throughput up to 500 Mbps, integrated dual-pol antenna, 19 dBi, 17x17 deg |
| <b>Net throughput</b>                   | up to 500 Mbps   |
| <b>Recommended distances</b>            | up to 30 km  |
| <b>Radio technology</b>                 | MIMO 2x2, Cyclic single carrier  |
| <b>Modulation coding schemes</b>        | from QPSK 1/4 to QAM1024 8/10  |
| <b>Transmit power</b>                   | up to 27 dBm   |
| <b>Receiver sensitivity</b>             | down to -94 dBm  |
| <b>Frequency range</b>                  | 2300-2900 MHz  |
| <b>Channel width</b>                    | 10, 20, 40 MHz   |
| <b>Center frequency adjustment step</b> | 1 MHz  |
| <b>Duplex scheme</b>                    | TDD  |
| <b>Antenna</b>                          | 19 dBi   |
| <b>Wired Interfaces</b>                 | 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) | 371 x 371 x 89 mm, 3.3 kg   |
|                    |   |
| Packing List       | <ul style="list-style-type: none"> <li>- Outdoor unit Xm/2X.500.2x500.2x19 - 1 pcs.</li> <li>- Power Supply IDU-CPE-G(56W) - 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 PI</li> </ul> |



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## Features

### RADIO

- ▶ **Best-in-breed spectral efficiency**
  - up to 12,5 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
- ▶ **Superior interference and noise immunity**
  - High-selectivity receiver with channel filtering cuts off in-band interference
- ▶ **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  $-40..+60^{\circ}\text{C}$ , (can be extended to  $-55..+60^{\circ}\text{C}$ , models with "t" index in PN)
  - IP66/IP67 compliant water and dust protection
- ▶ **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 (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

