


## Xm/5X.1000.4x150.2x23

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|---|---|
| <b>Description</b>                      | InfiLINK XG 1000 Xm/5X.1000.4x150.2x23, 5 GHz point-to-point unit, net throughput up to 1000 Mbps, integrated dual-pol antenna, 23 dBi, 10x10 deg |
| <b>Net throughput</b>                   | up to 1000 Mbps   |
| <b>Recommended distances</b>            | up to 25 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 22 dBm  |
| <b>Receiver sensitivity</b>             | down to -93 dBm   |
| <b>Frequency range</b>                  | 4900-6000 MHz   |
| <b>Channel width</b>                    | 2x10, 2x20, 2x40 MHz  |
| <b>Center frequency adjustment step</b> | 1 MHz   |
| <b>Duplex scheme</b>                    | TDD, Hybrid-FDD   |
| <b>Antenna</b>                          | 23 dBi  |
| <b>Wired Interfaces</b>                 | 2x GigabitEthernet, SFP   |



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|                    |   |
|--------------------|---|
| Consumption        | up to 55 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/5X.1000.4x150.2x23 - 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
- ▶ **Flexible frequency planning**
  - utilizing two non-adjacent frequency channels
  - support of TDD and Hybrid-FDD
- ▶ **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..+60°C, (can be extended to -55..+60°C, models with "t" index in PN)
  - IP66/IP67 compliant water and dust protection
  - wind load: 200 kph, survival
- ▶ **Indoor unit**
  - 0..+40°C
  - 90-240 VAC ~ @ 50/60 Hz or ±43..±56 VDC
  - power consumption up to 60 W

### STANDARD COMPLIANCE

- ▶ **Safety:**
  - EN 60950-1:2006, UL 60950-1 2nd ed.
- ▶ **Radio (pending):**
  - 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

