

# InfiLINK XG Xm/3X.500.2x500.2x22

<b>Description</b>	InfiLINK XG Xm/3X.500.2x500.2x22, 3 GHz point-to-point unit, net throughput up to 500 Mbps, integrated dual-pol antenna, 22 dBi, 12x12 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 -93 dBm
<b>Frequency range</b>	3100-4010 MHz
<b>Channel width</b>	10, 20, 40 MHz
<b>Center frequency adjustment step</b>	1 MHz
<b>Duplex scheme</b>	TDD, Hybrid-FDD
<b>Antenna</b>	22 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 (802.3at compliant)
Outdoor Unit (ODU)	371 x 371 x 89 mm, 3.3 kg
	



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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
- ▶ **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**
- ▶ **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



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## Features

### ENVIRONMENTAL

- ▶ **Outdoor unit:**
  - Operating temperature range  $-40..+60^{\circ}\text{C}$
  - 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

