



InfiLINK XG Xm/5X.1000.4x150.2x26 4900-6000 MHz

Description	InfiLINK XG Xm/5X.1000.4x150.2x26, 5 GHz point-to-point unit, net throughput up to 1000 Mbps, integrated dual-pol antenna, 26 dBi, 8x8 deg
Net throughput	up to 1000 Mbps
Recommended distances	up to 40 km
Radio technology	MIMO 2x2, Cyclic single carrier
Modulation coding schemes	from QPSK 1/4 to QAM256 30/32
Transmit power	up to 22 dBm
Receiver sensitivity	down to -95 dBm
Frequency range	4900-6000 MHz
Channel width	10, 20, 40 MHz
Center frequency adjustment step	1 MHz
Duplex scheme	TDD, Hybrid-FDD
Antenna	26 dBi
Wired Interfaces	2x GigabitEthernet, SFP







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Consumption	up to 35 W
Power options	90-240 VAC @ 50/60 Hz, 4356 VDC
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
- 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
- Timing transport using precision time protocol (IEEE 1588v2) support
 - transparent clock mode supported

MANAGEMENT FEATURES

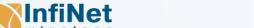
- Web-based graphical user interface
- Command line interface
- SNMP v1/2c/3 support (MIB-II and proprietary MIBs)
- Centralized monitoring using EMS InfiMONITOR.

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° C
- IP66/IP67 compliant water and dust protection

Indoor unit

- 90-240 VAC \sim @ 50/60 Hz or $\pm 43..\pm 56$ VDC, 802.3at compliant
- Power consumption up to 35 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

