Xm/5X.1000.4x150.2x23

Description	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
Net throughput	up to 1000 Mbps
Recommended distances	up to 25 km
Radio technology	MIMO 2x2, Cyclic single carrier
Modulation coding schemes	from QPSK 1/4 to QAM1024 8/10
Transmit power	up to 22 dBm
Receiver sensitivity	down to -93 dBm
Frequency range	4900-6000 MHz
Channel width	2x10, 2x20, 2x40 MHz
Center frequency adjustment step	1 MHz
Duplex scheme	TDD
Antenna	23 dBi
Wired Interfaces	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	— Outdoor unit Xm/5X.1000.4x150.2x23 - 1 pcs. — Power Supply IDU-CPE-G(56W) - 1 pcs. — Power Cord - 1 pcs. — Cable Gland for RJ-45 - 2 pcs. — Cable Gland for optical cable - 1 pcs. — Standard RJ-45 connector - 2 pcs. — Shielded RJ-45 connector - 1 pcs. — RJ-45 P

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Features

RADIO

▸ **Best-in-breed spectral efficiency**
  — up to 12,5 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.2.1.1, EN 302 502, v.2.1.1, 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

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