Xm/5X.1000.4x300.2x23

Description	InfiLINK XG 1000 Xm/5X.1000.4x300.2x23, 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 25 dBm
Receiver sensitivity	down to -92 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.1000.4x300.2x23 - 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