InfiLINK XG Xm/6X.500.2x500.2x27

Description	InfiLINK XG Xm/6X.500.2x500.2x27, 6 GHz point-to-point unit, net throughput up to 500 Mbps, integrated dual-pol antenna, 27 dBi, 5x5 deg
Net throughput	up to 500 Mbps
Recommended distances	up to 60 km
Radio technology	MIMO 2x2, Cyclic single carrier
Modulation coding schemes	from QPSK 1/4 to QAM1024 8/10
Transmit power	up to 27 dBm
Receiver sensitivity	down to -92 dBm
Frequency range	6000-6425 MHz
Channel width	10, 20, 40 MHz
Center frequency adjustment step	1 MHz
Duplex scheme	TDD
Antenna	27 dBi
Wired Interfaces	2x GigabitEthernet, SFP

INFINET wireless

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Consumption	up to 30 W
Power options	90-240 VAC @ 50/60 Hz, 43..56 VDC
Outdoor Unit (ODU)	600 x 600 x 74 mm, 6.3 kg
Packing List	— Outdoor unit Xm/6X.500.2x500.2x27 - 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 Pl

INFINET wireless

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Features

RADIO

▸ **Best-in-breed spectral efficiency**
— up to 12,5 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

▸ **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 Units:**
— operating temperature range -40..+60 °C, (can be extended to -55..+60 °C, models with "t" index in PN), 100% humidity, condensing
— IP66/IP67 compliant water and dust protection
— wind load: 200 kph, survival

▸ **Indoor Unit:**
— 0..+40 °C, 95% humidity, non-condensing

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