InfiLINK XG Um/5X.500.2x500

Description	InfiLINK XG Um/5X.500.2x500, 5 GHz point-to-point unit, net throughput up to 500 Mbps, 2x N-type (F) connectors for external antenna
Net throughput	up to 500 Mbps
Recommended distances	up to 100 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	4900-6000 MHz
Channel width	10, 20, 40 MHz
Center frequency adjustment step	1 MHz
Duplex scheme	TDD, Hybrid-FDD
Wired Interfaces	2x GigabitEthernet, SFP

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PRODUCT DATASHEET

InfiLINK XG Um/5X.500.2x500

Consumption	up to 30 W
Power options	90-240 VAC @ 50/60 Hz, 43..56 VDC
Outdoor Unit (ODU)	256 x 240 x 86 mm, 2.1 kg
	
Packing List	– Outdoor unit Um/5X.500.2x500 - 1 pcs. – Power Supply IDU-BS-G(60W) - 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 Plug Cap - 1 pcs. – MONT-KIT-85 Mounting kit - 1 pcs. – Quick Start Guide - 1 pcs.

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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
- **TDD synchronization using a built-in GNSS receiver**
- **Instant DFS - dynamic interference mitigation and avoidance mode**
  - Background spectrum scan
  - Seamless automatic uplink/downlink channel change to the least congested frequency available

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**
  - 100-240 VAC ~ @ 50/60 Hz or ±43..±56 VDC, 802.3at compliant
  - power consumption up to 60 W

STANDARD COMPLIANCE

- **Safety:**
  - EN 60950-1:2006, UL 60950-1 2nd ed.
- **Radio:**
  - 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

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