

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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Consumption	up to 30 W
Power options	90-240 VAC @ 50/60 Hz, 43..56 VDC (802.3at compliant)
Outdoor Unit (ODU)	256 x 240 x 86 mm, 2.1 kg
	



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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**
- ▶ **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
 - 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

