InfiLINK XG Um/3X.500.2x500

Description	InfiLINK XG Um/3X.500.2x500, 3 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 -93 dBm
Frequency range	2990-4010 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

InfiNet Wireless
sales@infinetwireless.com
www.infinetwireless.com

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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

▶ **Superior interference and noise immunity**
 — High-selectivity receiver with channel filtering cuts off in-band interference

▶ **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**

▶ **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

▸ **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 (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

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