InfiLINK 2x2 R5000-Omx/5X.300.2x500

Description	InfiLINK 2x2 PRO R5000-Omx/5X.300.2x500, 5 GHz point-to-point unit, net throughput up to 280 Mbps, 2x N-type (F) connectors for external antenna
Net throughput	up to 280 Mbps
Recommended distances	up to 90+ km
Radio technology	MIMO 2x2 (OFDM 64/128)
Modulation coding schemes	from BPSK 1/2 to QAM64 5/6
Transmit power	up to 27 dBm
Receiver sensitivity	down to -94 dBm
Frequency range	4900-6050 MHz
Channel width	5, 10, 20, 40 MHz
Center frequency adjustment step	125 kHz
Duplex scheme	TDD
Wired Interfaces	1x GigabitEthernet (RJ45)

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Consumption	up to 20 W
Power options	110-240 VAC @ 50/60 Hz, ±43..56 VDC
Outdoor Unit (ODU)	240 x 240 x 57 mm, 2.2 kg

Part Number Options	Prefix	Freq. Band	Bitrate	Output Power	Capacity
	R5000-Omx	5X	300	2x500	300

Part Number Example	R5000-Omx/5X.300.2x500
Packing List	– Outdoor unit R5000-Omx/5X.300.2x500 - 1 pcs. – Power Supply IDU-BS-G - 1 pcs. – Power Cord - 1 pcs. – Connector - 1 pcs. – Standard RJ-45 connector - 1 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

- Voice/RTP Aware Superpacketing
- DFS
- Automatic Bitrate Control
- Automatic Transmit Power Control
- TDD synchronization using AUX-ODU-SYNC (excluding Smn/Lmn)
- Spectrum Analyzer mode
- Channel testing tools

NETWORKING

- Ethernet-over-IP and IP-over-IP tunneling
- ARP protocol support
- MAC/IP filtering
- Full-fledged 2nd layer switch
- RIPv2 / OSPFv2 /static routing
- L2/L3 Firewall
- NAT (multipool, H.323-aware)
- DHCP client/server/relay

MANAGEMENT FEATURES

- Various Management Protocols: HTTP, telnet, SNMP v1/2c/3 (MIB-II and proprietary MIBs)
- Graphical User Interface
- LED Indication: power status, wireless and wired link status, signal level
- Antenna alignment tool
- Automatic software update
- Online monitoring with proprietary EMS InfiMONITOR.

QUALITY-OF-SERVICE

- 17 priority queues
- IEEE 802.1p support
- IP TOS / DiffServ support
- Full voice support
- Traffic limiting (absolute, relative, mixed)
- Traffic redirection

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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

SECURITY FEATURES

▶ **Storm/flood protection**

▶ **Password protection**

▶ **Secure command-line access via SSH protocol**

MAC

▶ **ARP support**

▶ **Proactive channel testing**

▶ **Pseudo-radio interface:**
  — unique InfiNet Wireless feature to join InfiNet networks via 3rd party equipment

▶ **Automatic over-the-air firmware upgrade**

STANDARD COMPLIANCE

▶ **Radio**
  — ETSI EN 301 893 v.1.7.1
  — ETSI 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

▶ **Safety**
  — ETSI EN 60 950-1:2006

▶ **RoHS**
  — Directive 2011/65/EU

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