InfiLINK 2x2 R5000-Lmn/5X.300.2x300

Description	InfiLINK 2x2 LITE R5000-Lmn/5X.300.2x300, 5 GHz point-to-point unit, net throughput up to 180 Mbps, 2x N-type (F) connectors for external antenna
Net throughput	up to 180 Mbps
Recommended distances	60+ km
Radio technology	MIMO 2x2 (OFDM 64/128)
Modulation coding schemes	from BPSK 1/2 to QAM64 5/6
Transmit power	up to 25 dBm
Receiver sensitivity	down to -91 dBm
Frequency range	4900-6050 MHz
Channel width	5, 10, 20, 40 MHz
Center frequency adjustment step	125 kHz
Duplex scheme	TDD
Wired Interfaces	2x FastEthernet (PoE out)

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Consumption	up to 15 W
Power options	110-240 VAC @ 50/60 Hz, +9..56 VDC
Outdoor Unit (ODU)	240 x 240 x 50 mm, 1.6 kg

Part Number Options

Prefix	Freq. Band	Bitrate	Output Power	Capacity
R5000-Lmn	*5X*	*300*	*2x300*	*8* *20* *50* *300*

Part Number Example	R5000-Lmn/5X.300.2x300|50
Packing List	– Outdoor unit R5000-Lmn/5X.300.2x300 - 1 pcs. – Power Supply IDU-CPE(48V) - 1 pcs. – Power Cord - 1 pcs. – Cable Gland - 2 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

- 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, 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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