InfiLINK 2x2 R5000-Mmx/6X.300.2x200.2x24

Description	InfiLINK 2x2 PRO R5000-Mmx/6X.300.2x200.2x24, 6 GHz point-to-point unit, net throughput up to 280 Mbps, integrated dual-pol antenna, 24 dBi, 9x9 deg
Net throughput	up to 280 Mbps
Recommended distances	up to 25 km
Radio technology	MIMO 2x2 (OFDM 64/128)
Modulation coding schemes	from BPSK 1/2 to QAM64 5/6
Transmit power	up to 23 dBm
Receiver sensitivity	down to -92 dBm
Frequency range	6050-6425 MHz
Channel width	5, 10, 20, 40 MHz
Center frequency adjustment step	125 kHz
Duplex scheme	TDD
Antenna	24 dBi
Wired Interfaces	1x GigabitEthernet (RJ45)

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PRODUCT DATASHEET

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Consumption	up to 20 W
Power options	110-240 VAC @ 50/60 Hz, ±43..56 VDC
Outdoor Unit (ODU)	305 x 305 x 68 mm, 2.5 kg
	

Part Number Options

Prefix	Freq. Band	Bitrate	Output Power	Ant.	Capacity
R5000-Mmx	*6X*	*300*	*2x200*	*2x24*	*300*

Part Number Example	R5000-Mmx/6X.300.2x200.2x24
Packing List	– Outdoor unit R5000-Mmx/6X.300.2x200.2x24 - 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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