InfiMAN 2x2 R5000-Mmxb/6X.300.2x200.2x16

Description	InfiMAN 2x2 R5000-Mmxb/6X.300.2x200.2x16, 6 GHz base station sector, net throughput up to 250 Mbps, integrated dual-pol sectorial antenna, 16 dBi, 90x8 deg
Net throughput	up to 250 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	16 dBi
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)	371 x 371 x 90 mm, 3.4 kg

Part Number Options	Prefix	Freq. Band	Bitrate	Output Power	Ant.	Capacity
	R5000-Mmxb	6X	300	2x200	2x16	300

Part Number Example	R5000-Mmxb/6X.300.2x200.2x16
Packing List	– Outdoor unit R5000-Mmxb/6X.300.2x200.2x16 - 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

▸ Automatic Distance Learning

▸ Channel Time Adjustment

▸ 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

▸ **Dynamic adaptive polling:**
— Centralized marker grant mode
— Dynamically takes into account channel activity
— Permanent 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**
— EN 301 893 v.1.7.1
— EN 302 502 v.1.2.1
— FCC part 15.247

▸ **EMC**
— EN 301 489-1
— EN 301 489-17
— FCC Part 15 Class B

▸ **Safety**
— ETSI EN 60 950-1:2006

▸ **RoHS**
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Directive 2011/65/EU

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