


InfiMAN 2x2 R5000-0mxb/35.300.2x200

Description	InfiMAN 2x2 R5000-0mxb/35.300.2x200, 3 GHz base station sector, net throughput up to 240 Mbps, 2x N-type (F) connectors for external antenna
Net throughput	up to 240 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 -93 dBm
Frequency range	3400-3700 MHz
Channel width	0.875, 1.25, 1.75, 2.5, 3.5, 5, 6, 7, 10, 12, 14, 15, 20, 28, 30, 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, $\pm 43..56$ VDC				
Outdoor Unit (ODU)	240 x 240 x 57 mm, 2.2 kg				
					
Part Number Options	Prefix	Freq. Band	Bitrate	Output Power	Capacity
	R5000-Omxb	35	300	2x200	300
Part Number Example	R5000-Omxb/35.300.2x200				
Packing List	<ul style="list-style-type: none"> – Outdoor unit R5000-Omxb/35.300.2x200 - 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 Superpacketting
- ▶ 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, 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**
 - Directive 2011/65/EU

