

# InfiLINK 2x2 R5000-Lmn/32.300.2x200


## 3100-3400 MHz

Description	InfiLINK 2x2 LITE R5000-Lmn/32.300.2x200, 3 GHz point-to-point unit, net throughput up to 180 Mbps, 2x N-type (F) connectors for external antenna
Performance	up to 180 Mbps
Recommended distances	up to 75+ km
Radio technology	MIMO 2x2 (OFDM 64/128)
Modulation types	from BPSK 1/2 to QAM64 5/6
Transmit power	up to 23 dBm
Receiver sensitivity	down to -98 dBm
Frequency range	3100-3400 MHz
Channel width	3.5, 5, 7, 10, 14, 15, 20, 28, 30, 40 MHz
Center frequency adjustment step	125 kHz
Duplex scheme	TDD
Wired Interfaces	2x FastEthernet (PoE out)



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Consumption	up to 7 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
	<i>R5000-Lmn</i>	<i>32</i>	<i>300</i>	<i>2x200</i>	<i>8</i> <i>20</i> <i>50</i> <i>300</i>
Part Number Example	R5000-Lmn/32.300.2x200 50				



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## Features

### RADIO

- ▶ Voice/RTP Aware Superpacketting
- ▶ 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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#### ENVIRONMENTAL

- ▶ **Outdoor Units:** -40..+60C, 100% humidity, condensing
- ▶ **Indoor Unit:** 0..+40C, 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 2002/95/EC

