



## R5000-Lmn/5X.300.2x500

### Description

- Wireless bridge

### Performance

- Up to 300 Mbps (data rate)
- Up to 180 Mbps (Net through put)

### Radio

- Radio technology: MIMO 2x2 with OFDM 64/128
- Modulation types: BPSK 1/2 to QAM64 5/6
- Transmit power: max. 27 dBm
- Receiver sensitivity: down to -91 dBm
- Frequency range: 5750 - 5850 MHz
- Channel width: 5/10/20/40 MHz
- Dynamic frequency selection
- Radar detection
- Automatic transmit power control

### Wired Interfaces

- 2x Fast Ethernet (10/100 Base -T)
- RJ-45 Connector
- PoE output at the second Ethernet port

### Power Options

- Consumption: As low as 12 Watts
- PoE input voltage: 110 - 240 VAC @ 50/60 Hz
- Radio input voltage: +9 .. 56 VDC

### Operating temperature

- -40 .. 60 c°



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## Features

### Radio

- Voice/RTP Aware Superpacketing
- DFS
- Automatic Bitrate Control
- Automatic Transmit Power Control
- TDD synchronization using AUX-ODU-SYNC
- 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