



Includes

- Integrated antenna with RouterBOARD
- RouterOS Level 4
- POE injector
- 18v power supply + PoE Injector

MikroTik RIC/522 5Ghz integrated antenna with fast RB/333 is ideal for powerful 5Ghz Backbone (Point-to-Point link). Also, it can be used for CPE (client premise equipment) on 5Ghz Point-to-Multipoint networks.

RouterOS L4 Features

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|-----------------------|---|
| Router | VPN Concentrator |
| Firewall | DNS Server |
| Intrusion Detection | DHCP |
| Wifi HotSpot | PPPoE |
| Load Balancer | PPTP |
| Traffic Management | L2TP |
| Traffic Shaping | NTP |
| Traffic Graphing | SNMP |
| Wireless Access Point | Dynamic Routing |
| Wireless Client | WEP/WPA/WPA2 TKIP/AES wireless encryption |
| IPSec VPN encryption | Frequency scanner and alignment tools |

R52 Wireless Card Specifications

Chipset Supported Frequency Range	Atheros AR5414 5 GHz Band; 4.920 – 6.100 (5 MHz step)
Security:	Hardware TKIP and AES-CCM encryption; 802.1x WPA authentication Hardware 64 and 128 bit WEP
RF Modulation	802.11a: OFDM data rate >30Mbps
Power Requirements	3.3V +/- 10% DC; 400mA max (300mA typ.)
Form Factor	Mini-PCI form factor; Mini-PCI Version 1.0 type 3B /MiniPCI Type IIIB
Output Power	5GHz (802.11a) 17dBm @ 6Mb/s 5GHz (802.11a) 13dBm @ 54Mb/s
Receive Sensitivity	5GHz (802.11a) -88dBm @ 6Mb/s 5GHz (802.11a)-71dBm @ 54Mb/s
Transfer Data Rate	802.11a(Normal mode):54,48,36,24,18,12,9,6 Mbps, auto-fallback 802.11a(Turbo mode):108,96,72,48,36,24,18,12 Mbps, auto-fallback
Approval	FCC CE

Panel Antenna Specifications

Antenna Gain	22dBi
Antennas Frequency	5.1 – 5.8 GHz
Dimensions	300mm X 300mm X 30mm
Weight	1.4Kg
Bracket Connector	Tip and tilt suitable for 50mm – 75mm pole Insulated Ethernet pass through adapter

CPU	Atheros AR7130 300MHz network processor 64MB
Memory	DDR SDRAM onboard memory RouterBOOT 64MB
Boot loader	onboard NAND memory chip Three 10/100 Mbit/s
Data storage	Fast Ethernet ports supporting
Ethernet	
MiniPCI slot	Auto-MDI/X Three MiniPCI Type IIIA/IIIB slots
Serial port	One DB9 RS232C asynchronous serial port
LEDs	Power LED, NAND (Disk Activity) LED and 5x User
Beeper	LEDs Present 12..28V DC (except power over data
Power Power over Ethernet	lines) 12..28V DC Fan control Two DC fan power
Power jack	output headers with
Voltage sensor	
Dimensions	Rotation sensor and automatic fan switching
Weight	(maximum output current - 500mA total)
Temperature Operational	10.5 cm x 15 cm (4.13 in x 5.91 in)
Humidity Operational	137 grams
Power consumption	-20°C to +65°C (-4°F to 149°F) up to 70%
	relative humidity (non-condensing) ~3W without
	extension cards, maximum – 25W
	(18 W output to extension cards)