

5 GHz Access Point Package



The (RB/APO) MikroTik 5Ghz Access Point Package is specially designed for point-to multipoint applications that provide an easy solution for connecting many locations through wireless. The Wireless Access Point delivers Internet service to your clients' network. You can use this package to provide high data rates and superior throughput for data-intensive, line-of sight applications, that allow multiple sites to share a single, high-speed connection to the Internet.

Note: Antenna colour may vary

Includes

- 12dBi Omni antenna with LMR400 Cable
- Outdoor RouterBOARD 433
- RouterOS Level 4 software
- R52 802.11 a+b+g 65mW Wireless PCI card
- 18v power supply + PoE Injector

RouterOS L4 Features

Router	VPN Concentrator
Firewall	DNS Server
Intrusion Detection	DHCP
Traffic Management	PPPoE
Traffic Shaping	PPTP
Traffic Graphing	L2TP
IPSec VPN encryption	NTP
Frequency scanner and alignment tools	SNMP
WEP/WPA/WPA2 TKIP/AES wireless encryption	Dynamic Routing

R52 Wireless Card Specifications

Chipset	Atheros AR5414
Supported Frequency Range	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

Omni Antenna Specifications

Antenna Gain	12dBi
Antennas Frequency	5.4 – 5.8 GHz
Dimensions	60mm X 1000mm
Weight	1.9Kg
Bracket	Suitable for 50mm – 75mm pole
Connector	N Type Male

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