

5Ghz Access Point Package with wireless backbone



The MikroTik 5 GHz Access Point Package with Backbone is specially designed for point-to-multipoint applications to provide an easy solution for connecting many locations through wireless. Also it includes second wireless interface with high gain antenna for high speed backbone link. 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. The feature-rich MikroTik RouterOS software allows you to apply most advanced firewall, NAT, bandwidth shaping, and other technologies to create a smart and easy controllable network.

Note: Antenna colour may vary

Includes

- 12dBi Omni Antenna with LMR400 Cable
- 22dBi Panel Antenna with LRM400 Cable
- Outdoor RouterBOARD 433
- RouterOS Level 4 software
- R52 802.11 a+b+g 65mW Wireless MiniPCI 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 802.11a (Normal mode):
Transfer Data Rate	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 20mm
Weight	1.0Kg
Bracket	Tip and tilt suitable for 50mm – 75mm pole
Connector	N Type Male

Sensor and automatic fan switching (maximum output current - 500mA total)

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

Router Board 433 Specifications

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 One DB9
Serial port	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