

## MACH-WiFi 11B/G Access Point Router



### Features

- Complies with the IEEE 802.11b/g standards
- High data rate up to 54Mbps network speed
- Supports WDS (Wireless Distributed System) repeater mode
- Supports AP client mode
- Supports WPS (Wi-Fi Protected Setup) function
- Supports hidden SSID function
- Supports WMM function to meet the multimedia data bandwidth requirement
- Supports 64/128-bit WEP, WPA, WPA2 wireless security
- Obtain WAN IP by PPPoE/DHCP/static IP/PPTP
- Integrated 10/100 Mbps LAN switch with Auto MDI/MDI-X support
- Provides DHCP server
- VPN pass through (L2TP/IPSec/PPTP)
- Supports virtual server, port forwarding and DMZ(demilitarized zone)
- Supports DDNS (dynamic DNS)
- Integrated anti-DOS firewall
- Provides MAC access control
- Supports UPNP (Universal Plug and Play)
- Supports system status (port connectivity) and remote log for network management
- Supports web-based configuration
- Firmware upgradeable via web browser

### Technical Specs

Product	Wireless 802.11b/g Access Point Router
SoC + RF	Realtek RTL8186
Flash	2 MB
RAM	8 MB
Antenna	Non-detachable 3dBi Antenna x 1
Wireless Features	Support IEEE 802.11g, 802.11b Wireless Access Point
	Superior wireless coverage and high performance, up to 54Mbps for wireless data rates
	Support WDS, AP, AP Client mode
Maximum coverage distance	100 m indoors;300 m outdoors
Modulation Types Supported	OFDM: BPSK, QPSK, 16QAM, 64QAM (11g)
	DSSS: DBPSK, DQPSK, CCK(11b)
Data Rates Supported	IEEE 802.11b: 1, 2, 5.5 and 11 Mbps
	IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
Quality of Service (QoS)	Wi-Fi alliance WMM (Wi-Fi Multimedia Enhancement) support
Management Features	Firmware upgrade via HTTP
	WAN and LAN side connection statistics
	Configuration of static routes and routing table
	Configuration of NAT / NAPT
	Selection of bridge or router mode
	PPP user ID and password
Physical Interfaces	4 x RJ-45 10/100Mbps LAN Ports
	1 x RJ-45 WAN Port
	1 x power jack
	1 x detachable antenna
Router Features	DHCP server and client
	NAPT (Network Address and Port Translation)
	NAT (Network Address Translation)
	ICMP (Internet Control Message Protocol)
	IGMP (Internet Group Management Protocol)
	DDNS (Dynamic Domain Name Service)
Security Features	Password protected configuration access
	User authentication (PAP / CHAP) with PPP
	Support 64/128-Bit WEP encryption, WPA-PSK, WPA2-PSK, WPS and 802.1x
Ethernet Features	Compliant with IEEE 802.3 and 802.3u 10/100 Mbps
	All Ethernet ports support auto-crossover (MDI/MDI-X)
Power	9VDC, 1A Single Range Switching Power Adapter
temperature	0°C to 40°C (operating) -20°C to +70°C (storage)
humidity	10% to 90% non-condensing (operating) 5% to 95% non-condensing (storage)