

Product Specification

802.11g Wireless LAN Travel Kit

WAP-4050

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Change History:

Revision	Date	Author	Change List
Version 1.0	2004/08/16	Vincent Tseng	Initial release

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Approved by:		Project Leader:	Tom Shih

PRODUCT DESCRIPTION

As small as a box of poker cards, the WAP-4050 is not only a wireless access point but also a wireless NAT router and Ethernet adapter. With these three most commonly used operating mode, WAP-4050 provides greater flexibility for a mobile user in various environments. Moreover, WAP-4050 is a driver free and plug 'n play device, which helping you to set up a wireless environment in a minute.

PRODUCT FEATURES

- ◆ Wireless standard IEEE 802.11b/g compliant
- ◆ Pocket size wireless access point
- ◆ 3 operating modes selectable: AP, NAT Router, and AP Client
- ◆ Up to 54Mbps data rate
- ◆ Support WPA-PSK and 64/128-bit WEP encryption
- ◆ Support MAC Access Control in AP and AP/Router modes
- ◆ Support DDNS in AP/Router mode
- ◆ Provide basic firewall features in AP/Router mode
- ◆ Support VPN pass through in AP/Router mode
- ◆ Driver free, plug 'n play

PRODUCT SPECIFICATION

MAIN COMPONENT

CPU: Marvell 88W8510H
 RF: Marvell 88W8000G
 DRAM: EtronTech EM636165TS (4MB)
 Flash: MX29LV800TTC (1MB)

FUNCTIONAL SPECIFICATIONS

Standard	IEEE 802.11b, IEEE 802.11g	
Signal Type	DSSS (Direct Sequence Spread Spectrum)	
Modulation	BPSK / QPSK / CCK / OFDM	
Port	10/100Base-TX (RJ-45) * 1	
Antenna	Internal antenna	
Output Power	13dBm	
Sensitivity	802.11b	11 Mbps (CCK): -72dBm 5.5 Mbps (QPSK): - 76dBm 1, 2 Mbps (BPSK): - 80dBm (typically @PER < 8% packet size 1024 and @25°C + 5°C)
	802.11g	54 Mbps: -70dBm 48 Mbps: - 70dBm 36 Mbps: -72dBm 24 Mbps: -72dBm 18 Mbps: -74dBm 12 Mbps: -76dBm 9 Mbps: -79dBm 6 Mbps: -80dBm (typically @PER < 8% packet size 1024 and @25°C + 5°C)
Operating Mode	AP, AP/Router, Client	
Security	64/128-bit WEP encryption WPA-PSK Password Protect MAC Filtering SSID Broadcast Disable function	
Frequency Band	2.4 GHz ~2.484GHz	
Data Rate	802.11g	Up to 54Mbps (6/9/12/18/24/36/48/54)
	802.11b	Up to 11Mbps (1/2/5.5/11)

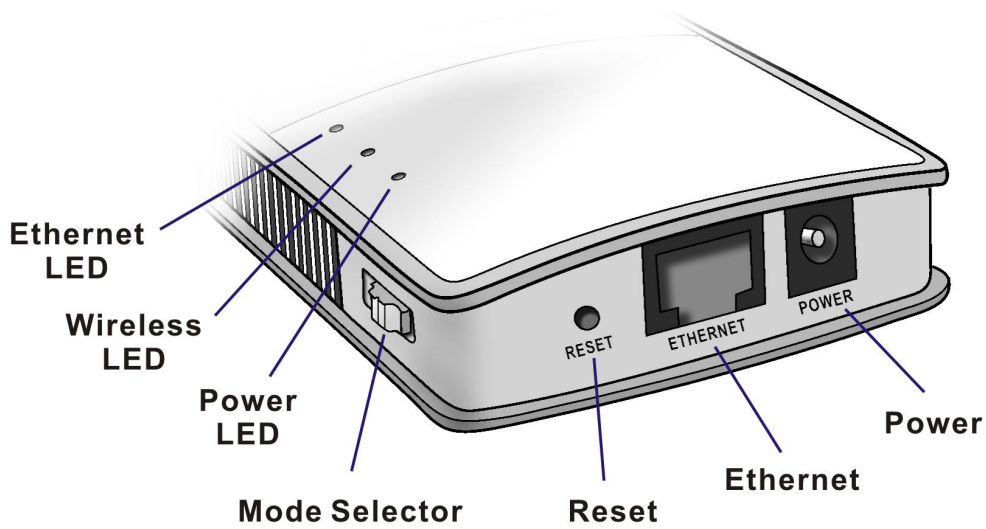
PHYSICAL SPECIFICATION

Dimensions

102.5 x 70 x 22.5 mm

Weight

85 g (net weight)



LED definition

LED	Color	Description
PWR	Green	On - power on Off - no power
WLAN	Green	On - Wireless interface available. Off - No Wireless interface available. Blinking - Data is transmitted or received via the Wireless interface. This includes "network traffic" as well as user data.
LAN	Green	On - Ethernet is connected Off - no Ethernet connection Blinking - receiving/ transmitting data

Mode Selector definition

- 1: AP mode
- 2: AP/Router mode
- 3: Config mode
- 4: Client mode

ENVIRONMENTAL SPECIFICATION

Operating

Temperature: 0~40°C
Relative Humidity: 0~90%(non-condensing)

Storage

Temperature: -20~70°C
Relative Humidity: 0~95%(non-condensing)

ELECTRICAL SPECIFICATION

Input Voltage: 5V DC, 2.0A

REGULATORY COMPLIANCE

FCC
CE

BASIC PACKAGING

- 802.11g WLAN Pocket AP
- Power Adapter
- Quick Installation Guide
- User's manual
- RJ-45 cable
- Travel bag

PACKAGING INFORMATION

- **Dimension**
215 x 129 x 63 mm (W x D x H)
- **Weight**
350g (gross weight)