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EAP150

Long Range Ceiling Mount Access Point

- 2.4 GHz
- 150Mbps
- 11b/g/n
- 26dBm
- AP/WDS

PRODUCT OVERVIEW

EAP150 is a 150Mbps wireless-n ceiling mount AP which offers users extended coverage, strong penetration, secure network management and simple connection.

It provides extended coverage and at least 3 floors penetration in your environment. MSSID + VLAN make your data more secure and easy management. Standard PoE interoperable with 802.3af makes internet connection more flexible.

EAP150 is designed as a Ceiling mount AP which will not violate your interior decoration. Only 3-step setup makes setting up simpler. EAP150 is the perfect choice for home and small business.

*Theoretical wireless signal rate based on IEEE standard of 802.11 b, g, n chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.
** All specifications are subject to change without notice

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Datasheet
EAP150

SOFTWARE FEATURES			
SYSTEM REQUIREMENTS			
System		Windows Windows7, 98, ME, NT, XP, 2000. Mac OS X (10.4)	
Access method		Web Based (HTTP 1.0 / 1.1)	
Browser Compatibility		Microsoft IE 6.0 or above, Firefox 2.0 or above	
STATUS			
System Status		System Information	System Up Time, Device Name, Wireless MAC, LAN MAC, Country, Current Time, Firmware Version
		Current IP Setting	IP Address, Subnet Mack, Default Gateway, DHCP, DNS.
		Current Wireless Setting	Operation mode, Wireless Mode, Channel/ Frequency, L2 Isolation, MSSID Setting
Client List		List current associated clients. Show only authorized and associated clients	
System Log		Displays a list of events triggered	
WIRELESS FUNCTIONAL LIST			
Operation mode		AP	
		WDS	
WDS details		WDS AP algorithm	
		WDS bridge algorithm	
802.11 mode options		b/g/n	
Channel setting		Manual	
		Auto / Best Channel Selection	
Transfer rate setting		Auto and Manual	
Output Power Control		Select by dBm	
Power Saving		Wireless LAN power saving	
Multiple BSSID (Multi AP)		4 BSSID for 2.4Ghz	
		Each BSSID should has its own Wi-Fi & security settings	
WPS		Software only	
Security	WEP	WEP(64/128bit)	
	WPA/ WPA2	TKIP / AES	

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	MAC address filtering	MAC address filtering (WLAN, up to 32 field)
	802.1x Authenticator	MD5/ TLS/ TTLS, PEAP
	802.1x Supplicant	TTLS, PEAP
LAN Settings		IP (check validity and DHCP server IP range) MAC
DHCP server		DHCP Range, Lease Time, Client list
VPN Server		PPTP & L2TP
VLAN	MSSID	VLAN tag on MSSID
	Management VLAN Ethernet Port VID	Only allow user with specified VID to access the device
	Tag/ Untag Option	Independent VLAN setting can be enable or disable
	Add VLAN tag	Any packet that enters the Device without a VLAN tag will have a VLAN tag inserted with a PVID (Ethernet Port VID)
SNMP	SNMP V1/V2C MIBI, MIBII Private MIB	- SNMP Active : Disabled / Enabled - SNMP Version : V1/V2c/ALL - Read Community - Set Community - System Location - System Contract - Trap Active : Disabled / Enabled - Trap Manager IP
Administration		User Name (set as "admin") Password (can be changed by user) Confirmed Password
Backup/ Restore Setting		Save Current Setting Restore Saved Setting Reset to Factory Default
Firmware Upgrade		Firmware Upgrade Allow User to decide to Keep current setting or reset to default.
Diagnosis		Address to Ping :

TECHNICAL SPECIFICATIONS

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HARDWARE SPECIFICATIONS			
MCU	RTL8196C+8188RE		
Memory	32MB		
Flash	4MB		
Diameter * Height	120mm x 50mm		
Physical Interface	LAN: 1 x 10/100 Fast Ethernet RJ-45 (802.3af PoE standard supported)		
	Reset button		
	Power Jack		
LED Definition	Power x1	Blue	Booting: Blink at 1HBooting System Ready: On Firmware Upgrade: Blink at 4Hz System Off: Power Off
	WLAN x1	Blue	Link: Solid Light / Active: Blinking (Receiving/ Transmitting data)
	LAN x1	Blue	Link: Solid Light / Active: Blinking (Receiving/ Transmitting data)
Adapter	12V / 1A		

WIRELESS SPECIFICATIONS			
Frequency Band	2.400~2.484 GHz (11b, 11g, 11n)		
Modulation Technology	OFDM: BPSK, QPSK, 16-QAM, 64-QAM DBPSK, DQPSK, CCK		
Operating Channels	11 for North America, 14 for Japan, 13 for Europe		
Wireless Setting	Operation Mode – AP / WDS Wireless Mode – 11b/ 11g /11n Channel Selection (Setting varies by Country) Channel Bandwidth (Auto, 20Mhz, 40Mhz) Transmission Rate - 11n only ,11b/g/n mix ,11b only ,11b/g		
Receive Sensitivity (Typical)	2.412 ~ 2.472 GHz (11b) best ≦ -93 dBm 2.412 ~ 2.472 GHz (11g) best ≦ -90 dBm 2.412 ~ 2.472 GHz (11n) best ≦ -88 dBm		
Available transmit power	11b	1Mbps - 11Mbps	26
	11g	6Mbps - 9Mbps	26
		12Mbps - 18Mbps	25

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		24Mbps - 36Mbps	24
		48Mbps - 54Mbps	23
	11n	MCS 0-1 / 8-9	26
		MCS 2-3 / 10-11	25
		MCS 4-5 / 12-13	24
		MCS 6-7 / 14-15	23
Antenna	Internal 5dBi antenna * 1		

ENVIRONMENT AND MECHANICAL	
Temperature Range	0 to 50° C - Operating, -20 to 60 ° C - Storage
Humidity (non-condensing)	90% or less – Operating, 90% or less - Storage

PACKAGE CONTENT
► EAP150
► Power Adapter (12V/1A)
► CD with User's Manual
► QIG
► Ethernet cable

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