

# EAP350

Long Range Ceiling Mount Access Point

- 2.4 GHz
- 300Mbps
- 11b/g/n
- AP/WDS

## PRODUCT OVERVIEW



**EAP350** is a 300Mbps 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.

EAP350 designed as a Ceiling mount AP which will not violate your interior decoration. Only 3-step makes setting AP up simpler. EAP350 is the perfect choice for home and small business.

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)		8 BSSID
		Each BSSID should has its own WiFi & security settings
WPS		Software only
Security	WEP	WEP(64/128bit)
	WPA/ WPA2	TKIP / AES

	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
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	<ul style="list-style-type: none"> <li>- SNMP Active : Disabled / Enabled</li> <li>- SNMP Version : V1/V2c/ALL</li> <li>- Read Community</li> <li>- Set Community</li> <li>- System Location</li> <li>- System Contract</li> <li>- Trap Active : Disabled / Enabled</li> <li>- Trap Manager IP</li> </ul>
	MIBI, MIBII	
	Private MIB	
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.
Advance Management		Auto Reboot
RADIUS Accounting		Supported
EnGenius Zone (NMS)		Supported

TECHNICAL SPECIFICATIONS				
HARDWARE SPECIFICATIONS				
MCU	AR7242+AR9283			
Memory	32MB			
Flash	8MB			
Diameter * Height	120mm x 50mm			
Physical Interface	LAN: 1 x 10/100/1000 Gigabit Ethernet RJ-45 (802.3af PoE standard supported)			
	Reset button			
	Power Jack			
LED Definition	Power x1	Green	Booting: Blink at 1HBooting System Ready: On Firmware Upgrade: Blink at 4Hz System Off: Power Off	
	WLAN x1	Green	Link: Solid Light / Active: Blinking (Receiving/ Transmitting data)	
	LAN x1	Green	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 ≤ -98 dBm 2.412 ~ 2.472 GHz (11g) best ≤ -93 dBm 2.412 ~ 2.472 GHz (11n) best ≤ -93 dBm			
Available transmit power	11b	1Mbps - 11Mbps		19

	11g	6Mbps - 9Mbps	19
		12Mbps - 18Mbps	18
		24Mbps - 36Mbps	14
		48Mbps - 54Mbps	13
	11n	MCS 0-1 / 8-9	16
		MCS 2-3 / 10-11	15
		MCS 4-5 / 12-13	14
		MCS 6-7 / 14-15	13
Antenna	Internal 5dBi MIMO Ant.		

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
► EAP350
► Power Adapter (12V/1A)
► CD with User's Manual
► QIG
► Ethernet cable