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EAP300

Long Range Ceiling Mount Access Point

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

PRODUCT OVERVIEW

EAP300 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.

EAP300 designed as a Ceiling mount AP which will not violate your interior decoration. Only 3-step makes setting AP up simpler. EAP300 is the perfect choice for home and small business.

BUSINESS CLASS
EAP300

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 Mask, 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	
	Repeater	
	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	
Power Saving	Wireless LAN power saving	
Multiple BSSID (Multi AP)	4 BSSID for 2.4Ghz	
	Each BSSID should has its own WiFi & security settings	
WPS	Software only	
Security	WEP	WEP(64/128bit)

EAP300 Data sheet Version 150711

*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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	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	Only allow user with specified VID to access the device
	Ethernet Port VID	
Administration		User Name (set as "admin")
		Password (can be changed by user)
		Confirmed Password
Telnet Server		CLI
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.
QoS		WMM
Advanced Management		Scheduling Reboot
		CLI
		NMS (EZ Controller)
Multicast		Supported

TECHNICAL SPECIFICATIONS	
HARDWARE SPECIFICATIONS	
MCU	RTL8196C+8892CE
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)

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Datasheet
EAP300

	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 / Repeater
	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 ≦-89 dBm
Available transmit power (ERIP)	19dBm
Antenna	Internal 5dBi MIMO ANT.

ENVIRONMENT AND MECHANICAL	
Temperature Range	0 to 50°C - Operating, -20 to 6 0 °C - Storage
Humidity (non-condensing)	90% or less – Operating, 90% or less - Storage

CERTIFICATION

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FCC	Ready
CE	Ready
IC	Ready

PACKAGE CONTENT
► EAP300
► Power Adapter (12V/1A)
► CD with User's Manual
► QIG
► Ethernet cable

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