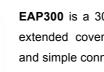


EAP300

Long Range Ceiling Mount Access Point

- 2.4 GHz
- 300Mbps
- 11b/g/n
- 29dBm
- AP/WD



PRODUCT OVERVIEW

EnGenius Company

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.

EAP300 Data sheet Version 150711

** All specifications are subject to change without notice

BUSINESS CLASS EAP300

^{*}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.





		SOFTWARE FEAT	TURES	
SYSTEM	REQUIREMENTS			
System		Windows Windows7, 98, ME, NT, XP, 2000. Mac OS X (10.4)		
Access m	ethod	Web Based (HTTP 1.0 / 1.1)		
Browser C	Compatibility	Microsoft IE 6.0 or above, Firefox 2.0 or above		
STATUS				
		System Information	System Up Time, Device Name, Wireless MAC, LAN MAC, Country, Current Time, Firmware Version	
System S	tatus	Current IP Setting	IP Address, Subnet Ma•k, 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		
WIRELES	S FUNCTIONAL LIST			
		AP		
		Universal Repeater		
Operation	mode	WDS AP algorithm		
		WDS bridge algorithm		
802.11 mg	ode options	b/g/n		
Channel s	etting	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 WiFi & security settings		
WPS		Software only		
Coordinate	WEP	WEP(64/128bit)		
Security	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		
	MSSID	VLAN tag on MSSID		
	Management VLAN	Only allow user with specified VID to access the device		
VLAN	Ethernet Port VID			
	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)		
Administ	ration	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		
		1		

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) Reset button Power Jack		

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LED Definition	Power x1 WLAN x1	Green Green	Booting: Blink at 1HBo System Ready: On Firmware Upgrade: Bl System Off: Power Of Link: Solid Light / Acti	link at 4Hz f ve: Blinking
	LAN x1	Green	(Receiving/ Transmitti Link: Solid Light / Acti (Receiving/ Transmitti	ve: Blinking
Adapter	12V / 1A			
WIRELESS SPECIFICATIONS				
Frequency Band	2.400~2.484 GI	Hz(11b, 11g, 1	1n)	
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 ,11g only			
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	11b		1Mbps - 11Mbps	29
			6Mbps - 9Mbps	29
	11g		12Mbps - 18Mbps	28
			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 MII	MO ANT.		

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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	

CERTIFICATION		
FCC	Ready	
CE	Ready	
IC	Ready	

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

Contact

E-mail: service@engeniustech.com.au 1300 725 323 1/14 Wellington Street, ACACIA RIDGE QLD 4110 Australia

Check www.engeniustech.com.au for your contact information

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