

# EAP300

Long Range Ceiling Mount Access Point

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

## 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.

SOFTWARE FEATURES		
<b>SYSTEM REQUIREMENTS</b>		
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	
<b>STATUS</b>		
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	
<b>WIRELESS FUNCTIONAL LIST</b>		
Operation mode	AP	
	WDS	
	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 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
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
	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)
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

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

LED Definition	Power x1	Green	Booting: Blink at 1H Booting 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		
<b>WIRELESS SPECIFICATIONS</b>			
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 ≤ -89 dBm		
Available transmit power	11b	1Mbps - 11Mbps	29
	11g	6Mbps - 9Mbps	29
		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 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

CERTIFICATION	
FCC	Ready
CE	Ready
IC	Ready

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