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EAP600

Dual Band Long Range Ceiling Mount Access Point

- 2.4 GHz + 5GHz
- 300Mbps + 300Mbps
- 29dBm
- AP/WDS/Repeater

PRODUCT OVERVIEW

EAP600 is a wireless-11n 600Mbps (300Mbps + 300Mbps) High Power Dual Band concurrent ceiling mount AP. It allows simultaneous operation of 2.4GHz and 5GHz wireless network. With media-optimized performance, you can enjoy internet surfing more smoothly and with less lag.

Maxima 29dBm high power transmission provides extended coverage in your environment. MSSID + VLAN make your data more secure and easy management. Standard PoE interoperable with 802.3af makes internet connection more flexible.

EAP600 designed with slim and white color outlook which will not violate your interior decoration. Multiple mounting types provide user friendly installation. EAP600 is the perfect choice in 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,

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** All specifications are subject to change without notice

		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
		Repeater
WDS details		WDS AP
		WDS
802.11 mode options		a/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 for 2.4Ghz , another 8BSSID for 5Ghz
		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 50 field)
	802.1x Authenticator	MD5/ TLS/ TTLS, PEAP
LAN Settings		IP (check validity and DHCP server IP range) MAC
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

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	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", can be changed by user)
		Password (c set as "admin", can be changed by user)
Backup/ Restore Setting		Save Current Setting Restore Saved Setting Reset to Factory Default
QoS		WMM
Network Management System		NMS (EZ Controller) supported

TECHNICAL SPECIFICATIONS			
HARDWARE SPECIFICATIONS			
MCU	AR9344+AR9382		
Memory/ Flash	64MB / 8MB		
Diameter * Height	161.5mm x 41.5mm		
Physical Interface	LAN: 1 x 10/100/1000 Gigabit Ethernet (802.3af PoE standard supported)		
	Reset		
	Power Jack		
LED Definition	Power x1	Orange	Booting: Blink at 1HBooting System Ready: On Firmware Upgrade: Blink at 4Hz System Off: Power Off
	WLAN x2	2.4G Blue 5G Green	Link: Solid Light / Active: Blinking (Receiving/ Transmitting data)
	LAN x1	Blue	Link: Solid Light / Active: Blinking

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			(Receiving/ Transmitting data)
	WPS x1	Blue	WPS ready: On WPS running: Blink at 2Hz
Adapter	12V / 2A		
WIRELESS SPECIFICATIONS			
Frequency Band	Radio I: 11b/g/n : 2.412~2.484 GHz Radio II: 11a/n :5.18 ~ 5.24 & 5.26 ~ 5.32 & 5.5 ~ 5.7 & 5.745 ~ 5.825 GHz		
Modulation Technology	OFDM: BPSK, QPSK, 16-QAM, 64-QAM DBPSK, DQPSK, CCK		
Operating Channels	2.4G (11 for North America, 14 for Japan, 13 for Europe) 5G (TBD)depend on what region		
Wireless Setting	Operation Mode – AP / WDS / Repeater Wireless Mode – 11a/ 11b/ 11g /11n Channel Selection (Setting varies by Country) Channel Bandwidth (Auto, 20Mhz, 40Mhz) Transmission Rate – 2.4GHz: 11n only ,11b/g/n mix ,11b only ,11b/g, 11g only 5GHz: 11n only mode, 11a/n mix mode, 11a only mode		
Receive Sensitivity (Typical)	**802.11b** -99dBm @ 1Mbps -93dBm @ 11Mbps **802.11g** -96dBm @ 6Mbps -82dBm @ 54Mbps **802.11n (2.4GHz)** -97dBm @ MCS0 -78dBm @ MCS7 -96dBm @ MCS8 -76dBm @ MCS15	**802.11a** -90dBm @ 6Mbps -72dBm @ 54Mbps **802.11n (5GHz)** -89dBm @ MCS0 -70dBm @ MCS7 -89dBm @ MCS8 -70dBm @ MCS15	

Available transmit power (2 stream) (The Max. Power may be different depending on local regulations)	11b	1Mbps - 11Mbps	29
	11g	6Mbps - 9Mbps	29
		12Mbps - 18Mbps	28
		24Mbps - 36Mbps	24
		48Mbps - 54Mbps	23
	11n	MCS 0-1 / 8-9	29

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		MCS 2-3 / 10-11	28
		MCS 4-5 / 12-13	24
		MCS 6-7 / 14-15	23
	11a	6Mbps - 9Mbps	26
		12Mbps - 18Mbps	25
		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 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
► CE
► IC

PACKAGE CONTENT
► EAP600
► Power Adapter
► CD with User's Manual
► QIG
► Ethernet cable
► T-Rail Mounting Kit
► Ceiling/Wall Mount screw kit
► Mounting Bracket

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