

# EAP600

Dual Band Long Range Ceiling Mount  
Access Point

- 2.4 GHz + 5GHz
- 300Mbps + 300Mbps
- 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.

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/at 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.

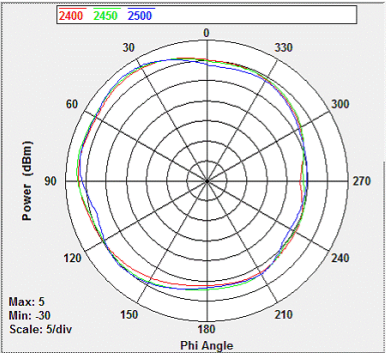
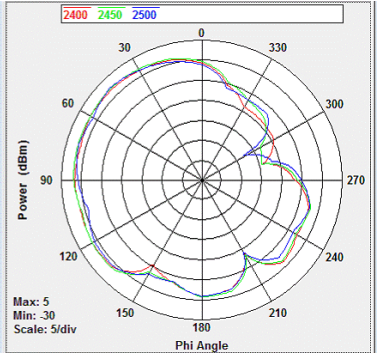
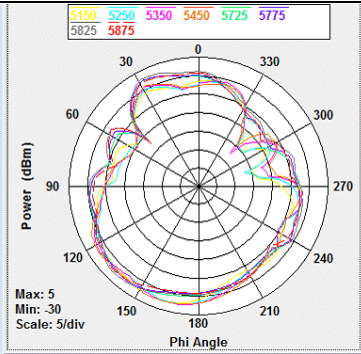
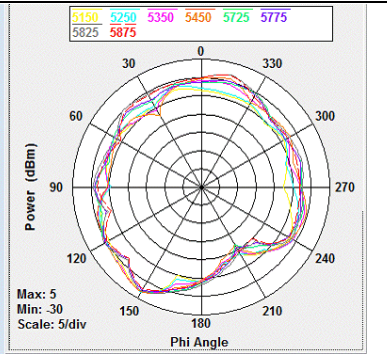
Besides intuitive web-based management, EnGenius EZ Controller software utility provides user extra convenience on applying various configuration settings into devices, enabling prompt WLAN deployment and configuration update.

For effective spectrum usage, EAP600 has enclosed band steering technology, enabling 5GHz-capable clients to associate with its 5GHz radio and offloading air utilization in 2.4GHz-band. In addition, EnGenius fast roaming minimizes service down-time during handoff from one base station to another.

Software Specifications	
<b>Wireless</b>	
Operating Mode	Access Point, WDS AP, WDS Bridge & Repeater
Auto Channel Selection	Setting based on regulatory domains
Configuration functions	Supports up to 8 SSIDs per frequency band VLAN Tag / VLAN Pass-through Wireless Client List
QoS	Supports 802.11e/WMM
Band Steering	Moves 5GHz-compatible clients to 5GHz band to ease traffic congestion on 2.4GHz band
Traffic Shaping	Control the transmitting bandwidth from both radio band via SSID
Security	WEP encryption: 64/128/152-bit WPA/WPA2 Enterprise/PSK Hidden SSID MAC address filtering (up to 50 MAC) Station separation 802.1x Authenticator ( MD5/ TLS/ TTLS, PEAP)
<b>Management</b>	
Configuration	Web interface (HTTP/S) SNMP v1/v2c/v3 with MIB I/II and private MIB CLI
Firmware Upgrade	Web interface or CLI
Backup / Restore Settings	Revert to factory default settings
WiFi Scheduling	Specifies interval to reboot WiFi periodically
Syslog Notification	Provides a network monitoring tool for administrators to stay informed upon configuration change or network errors

Hardware Specifications			
<b>Radio specifications</b>			
Dual Concurrent Radio	2.4GHz: 802.11b/g/n with max data rate up to 300Mbps 5GHz: 802.11 a/n with max data rate up to 300Mbps		
Transmit Power (combined)	2.4GHz: max 16dBm 5GHz: max 15dBm <i>* Maximum transmit power is limited by regulatory power</i>		
Radio Chains / Spatial Streams	3 x 3 / 3		
Supported Radio Technology	802.11b: direct-sequence spread-spectrum (DSSS) 802.11a/g/n: orthogonal frequency-division multiplexing (OFDM)		
Channelization	802.11n with 20/40 MHz channel width 802.11a/b/g with 20 MHz channel width		
Supported Modulation	802.11b: BPSK, QPSK, CCK 802.11a/g/n: BPSK, QPSK, 16-QAM, 64-QAM		
Supported data rates (Mbps)	802.11b: 1, 2, 5.5, 11 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 802.11n: 6.5 to 300 (MCS0 to MCS23)		
<b>RF Performance Table</b>			
Channel	Data Rate	Transmit Power (Combined, dBm)	Receive Sensitivity (Combined, dBm)
802.11b 2.4 GHz	1 Mbps	16.0	-99.0
	11 Mbps	16.0	-93.0
802.11g 2.4 GHz	6 Mbps	15.0	-96.0
	54 Mbps	14.0	-82.0
802.11a 5 GHz	6 Mbps	15.0	-90.0
	54 Mbps	14.0	-72.0
802.11n HT20 2.4 GHz	MCS 0 / 8	16.0	-97.0
	MCS 7 / 15	15.0	-78.0
802.11n HT40 2.4 GHz	MCS 0 / 8	16.0	-86.0
	MCS 7 / 15	15.0	-69.0
802.11n HT20 5GHz	MCS 0 / 8	15.0	-89.0
	MCS 7 / 15	13.0	-70.0
802.11n HT40 5GHz	MCS 0 / 8	15.0	-87.0
	MCS 7 / 15	13.0	-68.0
<i>*Maximum transmit power is limited by local regulation.</i>			
<i>*The supported frequency band is restricted by local regulatory requirements.</i>			

\*Transmit power is configurable in 1.0dB increments.

Max. Antenna Gain	3 x 3dBi 2.4GHz antennas 3 x 5dBi 5GHz antennas	
Radiation pattern	<b>2.4GHz Azimuth-Plane</b>	<b>2.4GHz Elevation-Plane</b>
		
	<b>5GHz Azimuth-Plane</b>	<b>5GHz Elevation-Plane</b>
		
<b>Physical Characteristic</b>		
Power Source	DC Input: 12 VDC 2A PoE: compatible with 802.3at	
Interface	1 x 10/100/1000 BASE-T Ethernet (RJ45) with 802.3at PoE 1 x DC power connector 1 x reset button	
Dimensions / Weight	161.5 x 41.5mm (Diameter x Height) 290g	
Mounting	Ceiling Mount and Wall Mount	

ENVIRONMENT AND MECHANICAL	
Temperature Range	Operating temperature: 0°C~40°C
Humidity (non-condensing)	Operating humidity: 0%~90% typical Storage temperature: -20°C~60°C

CERTIFICATION
FCC
CE
IC

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