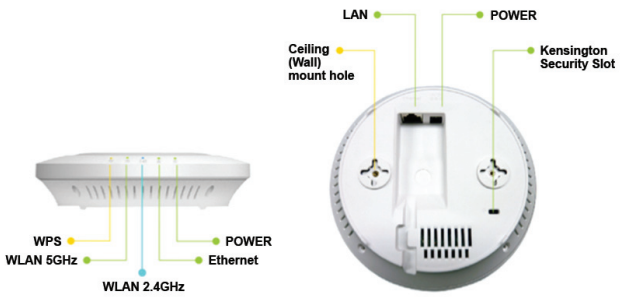
EAP600 - Technical Specifications

HARDWARE SPECIFICATIONS

MCU/RF	AR9344 + AR9382
Memory	64 MB
Flash	8 MB
Physical Interface	LAN: 1 x 10/100/1000 Gigabit Ethernet (RJ-45) port Reset Button Power Jack
Power requirements	Power Supply: 90 to 240 VDC ± 10%, 50/60 Hz (Depends on different countries) Active Ethernet (Power over Ethernet, IEEE 802.3af/at) 48 VDC/0.375A Device: 12V/2A

RF SPECIFICATIONS

Wireless Standard	IEEE 802.11 a/b/g/n
Frequency Band	Radio I: 802.11 b/g/n 2.412 ~ 2.484(GHz) Radio II: 802.11 a/n 5.18~5.24(GHz), 5.26~5.32(GHz), 5.5~5.7(GHz), 5.745~5.825(GHz)
Modulation Technologies	OFDM: BPSK, QPSK, 16-QAM, 64-QAM, DBPSK, DQPSK, CCK
Operating Channels	2.4GHz: US/Canada 1-11 2.4GHz: Europe 1-13 2.4GHz: Japan 1-14 5GHz: Country dependent for the following ranges: 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 149, 153, 157, 161, 165
Transmit Power	802.1 1b 29 dBm @ 1Mbps 29 dBm @ 2Mpbs 29 dBm @ 5.5Mbps 29 dBm @ 11Mbps 802.11g 29 dBm @ 6Mbps 29 dBm @ 9Mpbs 28 dBm @ 12Mbps 28 dBm @ 18Mbps 24 dBm @ 24Mbps 24 dBm @ 36Mbps 23 dBm @ 48Mbps 23 dBm @ 54Mbps 802.11a 26 dBm @ 6Mbps – 9Mbps 25 dBm @ 6Mbps – 9Mbps 24 dBm @ 24Mbps – 36Mbps 23 dBm @ 48Mbps – 54Mbps 802.11n (2.4GHz) 29 dBm @ MCS0/MCS8 29 dBm @ MCS0/MCS9 28 dBm @ MCS0/MCS10 28 dBm @ MCS0/MCS11 24 dBm @ MCS0/MCS12 24 dBm @ MCS0/MCS13 23 dBm @ MCS0/MCS14 23 dBm @ MCS0/MCS15 802.11n (5GHz) 26 dBm @ MCS0/MCS8 26 dBm @ MCS0/MCS9 25 dBm @ MCS0/MCS10 25 dBm @ MCS0/MCS11 24 dBm @ MCS0/MCS12 24 dBm @ MCS0/MCS13 23 dBm @ MCS0/MCS14 23 dBm @ MCS0/MCS15
Receiver Sensitivity	802.11b ≤ -98 dBm @ 1Mbps ≤ -93 dBm @ 11Mbps 802.11g ≤ -96 dBm @ 6Mbps ≤ -82 dBm @ 54Mbps 802.11a ≤ -90 dBm @ 6Mbps ≤ -72 dBm @ 54Mbps 802.11n (2.4Ghz) ≤ -97 dBm @ MCS0 ≤ -78 dBm @ MCS7 ≤ -96 dBm @ MCS8 ≤ -76 dBm @ MCS15 802.11n (5Ghz) ≤ -89 dBm @ MCS0 ≤ -70 dBm @ MCS7 ≤ -89 dBm @ MCS8 ≤ -70 dBm @ MCS15
Antenna	4x internal 5dBi antennas (Diversity support)



SOFTWARE SPECIFICATIONS

Topology	Infrastructure/Ad-Hoc
Operation Mode	Access Point/WDS Bridge/WDS AP/Universal Repeater
Multiple BSSID	Supports up to 8 BSSIDs per radio
LAN	IP (check validity and DHCP server IP range)MAC
VLANs	Supports 802.1q SSID to VLAN mapping
Spanning Tree	Supports 802.1d Spanning Tree Protocol
Wireless	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, 11a/n mix, 11a only
VPN	VPN pass-through (PPTP, L2TP, IPSEC)
QoS	WMM
WPS	Software only
Security	WEP Encryption - 64/128 bit WPA Personal (WPA-PSK using TKIP or AES) WPA Enterprise (WPA-EAP using TKIP) 802.1x Authenticator: MD5/TLS/TTLS, PEAP SSID broadcast enable/disable WLAN MAC Address Filter WLAN L2 isolation (AP mode) Wireless STA (Client) connected list (Idle/Connection Time, Pkt statistics)

MANAGEMENT

Tx Power Control	Adjust transmit power by dBm
Configuration	Web-based configuration (HTTP)/Telnet
Telnet Server	CLI
Firmware Upgrade	Upgrade firmware via web browser
Administrator Setting	Administrator Username & Password change
Reset Setting	Reboot (press 1 second). Reset to Factory Default (press 10 second)
System Monitoring	Status Statistic and Event log
SNMP	V1, V2c, V3
MIB	MIB I, MIB II (RFC1213) and Private MIB
Traffic Shaping	Incoming and outgoing wireless traffic shaping
Auto-channel Selection	Automatically selecting least congested channel
Bandwidth Measurement	IP range and bandwidth management
Auto Reboot	Reboot AP by min, hour, day, week
Backup & Restore	Save & restore settings through Web interface
CLI	Support Command Line Interface
Diagnosis	IP pinging statistics
Log	SysLog and Local Log support
LED Control	On/Off
AP Detection	Scanning for available EnGenius APs

ENVIRONMENT & PHYSICAL

Temperature Range	Operating: 0 to 50° C (32° to 122° F) Storage: -20 to 60° C (-4° to 140° F)
Humidity (non-condensing)	Operating: 90% or less Storage: 90% of less
Dimensions:	Diameter: 6.36" (161.5mm) Height: 1.64" (41.5mm)
Weight	0.62 lb. (280g)
Certifications	FCC, IC

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