

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 \pm 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	802.11b	802.11n (2.4GHz)
	29 dBm @ 1Mbps	29 dBm @ MCS0/MCS8
	29 dBm @ 2Mbps	29 dBm @ MCS0/MCS9
	29 dBm @ 5.5Mbps	28 dBm @ MCS0/MCS10
	29 dBm @ 11Mbps	28 dBm @ MCS0/MCS11
	802.11g	24 dBm @ MCS0/MCS12
	29 dBm @ 6Mbps	24 dBm @ MCS0/MCS13
	29 dBm @ 9Mbps	23 dBm @ MCS0/MCS14
	28 dBm @ 12Mbps	23 dBm @ MCS0/MCS15
	28 dBm @ 18Mbps	
24 dBm @ 24Mbps	802.11n (5GHz)	
24 dBm @ 36Mbps	26 dBm @ MCS0/MCS8	
23 dBm @ 48Mbps	26 dBm @ MCS0/MCS9	
23 dBm @ 54Mbps	25 dBm @ MCS0/MCS10	
802.11a	25 dBm @ MCS0/MCS11	
26 dBm @ 6Mbps - 9Mbps	24 dBm @ MCS0/MCS12	
25 dBm @ 6Mbps - 9Mbps	24 dBm @ MCS0/MCS13	
24 dBm @ 24Mbps - 36Mbps	23 dBm @ MCS0/MCS14	
23 dBm @ 48Mbps - 54Mbps	23 dBm @ MCS0/MCS15	
Receiver Sensitivity	802.11b \leq -98 dBm @ 1Mbps \leq -93 dBm @ 11Mbps	802.11n \leq -97 dBm @ MCS0 (2.4GHz) \leq -78 dBm @ MCS7
	802.11g \leq -96 dBm @ 6Mbps \leq -82 dBm @ 54Mbps	\leq -96 dBm @ MCS8 \leq -76 dBm @ MCS15
	802.11a \leq -90 dBm @ 6Mbps \leq -72 dBm @ 54Mbps	802.11n \leq -89 dBm @ MCS0 (5GHz) \leq -70 dBm @ MCS7 \leq -89 dBm @ MCS8 \leq -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: MDS/TLS/TLS, 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% or less
Dimensions:	Diameter: 6.36" (161.5mm) Height: 1.64" (41.5mm)
Weight	0.62 lb. (280g)
Certifications	FCC, IC

