Key features

- IEEE802.11ac and IEEE802.11 a/b/g/n compliant

- Up to 300Mbps (2.4GHz) + 867Mbps (5GHz) wireless data transmission rate

- Gigabit Ethernet port with IEEE802.3 at standard PoE support

- Ceiling mount housing and internal antennas for low-profile design

State-of-the-art 802.11ac brings revolutionary connection speed on your WLAN for diversity of multimedia applications
The EAP1200H equips with two powerful independent RF interfaces that support 2.4GHz 802.11b/g/n (2T2R) and 5GHz 802.11a/n/ac (2T2R), offering bandwidth up to 300Mbps + 867Mbps to accommodate traffic-intensive applications such as multimedia streaming.

Enhanced signal strength to further extend WLAN coverage
Each radio of EAP1200H has been enhanced to provide higher signal strength and receive sensitivity; this will assist to reduce dead spots in your deployed WLAN and boost received signal quality on both ends of AP and wireless client devices.

802.3at-compliant Power-over-Ethernet (PoE) for second power sourcing alternative
The EAP1200H can be powered by enclosed power adapter or off-the-shelf 802.3at-compliant PoE switches; solving common power sourcing issue in the field where devices are usually placed at drop-ceiling or mounted on walls.

Multiple operation modes for versatile applications
Each radio of the EAP1200H can independently operate in 3 different modes, namely access point, WDS AP, or WDS bridge; this will allow multiple combinations of operation modes on single device to address deployment requirements.

Configuration and management with Ease
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.

Radio specification

Dual concurrent radio
- 2.4GHz: 802.11b/g/n with max data rate up to 300Mbps
- 5GHz: 802.11a/n/ac with max data rate up to 867Mbps
Transmit power (combined):
- 2.4GHz: max 26dBm
- 5GHz: max 26dBm
- Maximum transmit power is limited by regulatory power
Radio chains/Spatial streams: 2x2 : 2
Supported radio technology:
- 802.11b: direct-sequence spread-spectrum (DSSS)
- 802.11a/g/n/ac: orthogonal frequency-division multiplexing (OFDM)
Channelization
- 802.11ac with 20/40/80MHz channel width
- 802.11n with 20/40MHz channel width
- 802.11a/b/g with 20MHz channel width
Supported modulation:
- 802.11b: BPSK, QPSK, CCK
- 802.11a/g/n: BPSK, QPSK, 16-QAM, 64-QAM
- 802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-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 MCS15)
- 802.11ac: 6.5 to 867 (MCS0 to MCS9, NSS=1~2)

Physical characteristics

Power source:
- DC Input: 12VDC 2A
- PoE: compatible with 802.3at
Internal high gain antennas
- 2 * 5dBi 2.4GHz antennas
- 2 * 5dBi 5GHz antennas
Interface
- 1 * 10/100/1000 BASE-T Ethernet (RJ45) with 802.3at PoE

- 1 * DC power connector
- 1 * reset button
Dimensions/Weight
- 161.5 x 41.5mm (Diameter x Height)
- 290g
Mounting
- Ceiling mount or wall mount
Physical security
- Kensington security slot

Wireless

Operating mode: AP/WDS
Auto channel selection
- Setting varies by regulatory domains
SSIDs:
- Supports up to 8 SSIDs per frequency band
VLAN Tag/VLAN Pass-through
Wireless client list
Guest network
- Allocates a separate network segment for guest access within the same WLAN
QoS
- Supports 802.11e/WMM/Traffic Shaping
Band Steering
- Moves 5GHz-compatible clients to 5GHz band to ease traffic congestion on 2.4GHz band
Fast roaming
- Short client roaming time between APs 50ms
Mobility
- PMKSA support for fast roaming
Security
- WEP encryption: 64/128/152–bit
- WPA/WPA2 Enterprise/PSK
- Hidden SSID
- MAC address filtering (up to 50 MAC addresses)
- Station separation

Management

Configuration
- Web interface (HTTP/S)
- SNMP v1/v2c/v3 with MIB I/II and private MIB
- CLI (Telnet/SSH)
Firmware upgrade
- Web interface or CLI
Backup / Restore settings
- Revert to factory default settings
Save configuration as default:
- Saves the customized configuration as default
Auto reboot
- Specifies interval to reboot system periodically
E-mail alert/Syslog notification
- Provides a network monitoring tool for
administrators to stay informed upon configuration
change or network errors

Environment

- Operating temperature: 0°C~40°C
- Operating humidity: 0%~90% typical
- Storage temperature: -20°C~60°C

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