

Key features



- IEEE802.11ac
- IEEE802.11a/b/g/n
- Up to 300Mbps (2.4GHz) + 867Mbps (5GHz)
- AP/CB/WDS operation mode support
- 8 SSIDs per radio with VLAN tagged

802.11ac/a/b/g/n dual radio concurrent AP/CB/WDS

The EnGenius indoor access points/client bridges are dual band, long range, high power, high sensitivity and strong reliability for Enterprise solutions.

As the wireless is quickly evolving to play an imperative role to build networking infrastructure in the business and daily life settings, the ECB1200 is engineered with dual-band concurrent architecture which offers the bandwidth up to 867Mbps on 5GHz band and 300Mbps on 2.4GHz band. With media-optimized performance, you can enjoy surfing Internet seamless.

Enterprise high-end solutions

In order to fulfill the overwhelming Internet application demands on a variety of application, the ECB1200 is engineered to provide high power, high sensitivity throughput as well as equipped high gain antennas to achieve the greater coverage and long range transmission.

The state-of-the-art shape and classical white will enhance aesthetic feeling in the office and indoor space no matter placing on the desk or hanging up it. Therefore, the robust mechanism and Power-over-Ethernet (PoE) enhances the ECB1200 can install on the wall easily and be powered by Ethernet cable which is compliant with **IEEE 802.3at standard**.

Specification

Wireless radio specification

Dual Radio, 5GHz 802.11ac/a/n

and 2.4GHz 802.11b/g/n

- 2.4GHz: Max 300Mbps

- 5GHz: Max 867Mbps

- Dual concurrent radio support

Transmit power (combined):

- 2.4GHz: max 26dBm

- 5GHz: max 26dBm

- Maximum power is limited by regulatory power

Supported radio technologies:

- 802.11b: Direct-sequence spread-spectrum(DSSS)

- 802.11a/g/n/ac: Orthogonal frequency-division multiplexing (OFDM)

- 802.11n/ac: 2x2 MIMO with 2 streams

- 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 types:

- 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, 36, 48, 54

- 802.11n: 6.5 to 450 (MCS0 to MCS15)

- 802.11ac: 6.5 to 1,300 (MCS0 to MCS9, NSS=1 to 3)

Power

Power source:

- DC 12V/2A

- Active Ethernet, Power-over-Ethernet

- 802.3at standard

Antennas

4 Detachable high gain antennas

- 2 detachable 5dBi 2.4GHz antennas

- 2 detachable 5dBi 5GHz antennas

Omni-directional type

- Provide the optimal coverage

Compliant with SMA-type connector interface

10/100/1000 BASE-T Ethernet ports:

- Compliant with 802.3at PoE input mechanical & environment

Dimensions/Weight

- 189mm (L) x 140mm (W) x 26mm (H)

- 406 g (Unit, without mounting kit and antennas)

Operating:

- Temperature: 0°C~50°C

- Humidity: 0%~90% typical

Storage:

- Temperature: -20°C~60°C

Operation mode

Access point/Client bridge/WDS:

Easy to management

Auto channel selection

- Setting varies by regulatory domains

SSIDs:

- BSSID support

- 16 SSIDs support

- Support 8 SSIDs on both 2.4GHz and 5GHz bands

VLAN Tag:

- Independent VLAN setting can be enable or disable

- Any packet that enters the device without a VLAN tag will have a VLAN tag inserted with a PVID (Ethernet port VID)

VLAN pass-through:

- VLAN pass through over WDS bridge

SNMP &MIB

- v1/v2c/v3 support

- MIB I/II, private MIB

Save configuration as default:

- Saves the customized configuration as default value for different customer demands.

Clients traffic status:

- Reports the various main information timely which is required by administrator

Guest network

- Allows users to manage easily grant "visitor" access within the network.

E-mail alert:

- Provides a network monitoring tool for administrators to stay informed the configuration change and network errors.

QoS

- Supports 802.11e/WMM/traffic shaping

RADIUS accounting:

- Help operators to offload 3G to the Wi-Fi seamlessly

Effective control and use

EnGenius Zone Controller (EZ Controller) support

CLI comments support

- Setting varies by regulatory domains

Supported radio technologies:

Multicast supported

Wi-Fi scheduler

- Set the schedule for rebooting the device band steering

- Shift the clients from 2.4GHz band to 5GHz band when the clients contest in 2.4GHz band

Effective control and use

Fast roaming

- Fast roaming facilitates secure mobility by reducing hand-off delay during transitions between the APS without service interruption.

Fast handover

- Fast handover allows device user to roam between the APs and under same SSID and encryption type without interruption.

Reinforcement security

WEP Encryption-64/128 bit

WPA/WPA2 Enterprise (WPA-EAP using TKIP or AES)

Hide SSID in beacons

MAC address filtering

- Filter up to 50 MACs

Wireless STA (Client) connection list:

- Reports the various main information timely which is required by administrator

Https:

- Widely used communications approach for securing communication over a computer network.

SSH:

- Provide confidentiality and integrity of data over an unsecured network, such as the Internet.