



## Key features

- Up to 300Mbps (2.4GHz) and 300Mbps (5GHz)
- Compliant with IEEE802.3at for PoE support
- Two Gigabit Ethernet port
- AP/CB/WDS modes supported
- Band steering

The EnGenius ENH710EXT is engineered with dual-band concurrent architecture which offers the bandwidth up to 300Mbps on 5GHz band and 300Mbps on 2.4GHz band. With the IP68-rated waterproof enclosure and the flexible mounting capability, the product is able to be applied under challenging environments.

### Power Over Ethernet (PoE) and reset from remote-end support

The EnGenius ENH710EXT equips with two Gigabit Ethernet ports that support IEEE802.3at PoE input and a PoE injector with reset function. To fulfill the operation from distantly use, clients can reset the ENH710EXT to default value via EPE-48GR from remote-end.

### Enterprise high-end solutions

The ENH710EXT can be configured by web configuration or EnGenius Zone Controller (EZ controller) software. With full-featured software built-in, the device allows the administrator to control, manage, and optimize the network effectively from a central location which can decrease the maintenance cost greatly. The ENH710EXT can operate into three different modes with access point, client bridge and WDS modes. With powerful solutions and individual interfaces, the ENH710EXT can connect with the multiple devices and extend the wireless signal easily, as well as be the point-to-point connection between office buildings.

### Effective management

EnGenius has developed the advanced functions for maximum security, monitoring and easily management to ensure the optimal users' experience. To provide the reliable connection and stable performance on the transmission, the EnGenius ENH710EXT provides wide-range of authentication and encryption standards (including WEP, WPA, WPA2, TKIP/AES and IEEE 802.1X) to enforce the maximum security, as well as configure the band steering, fast roaming and clients status to enhance the quality of wireless service.

### Wireless radio specification

Dual radio, 5GHz 802.11a/n and 2.4GHz 802.11b/g/n

- 2.4GHz: max 300Mbps
- 5GHz: max 300Mbps
- Dual concurrent radio support

Transmit power (maximum value)

- 2.4GHz: max 27dBm
- 5GHz: max 27dBm
- Maximum power is limited by regulatory power

Supported radio technologies

- 802.11b: direct-sequence spread-spectrum (DSSS)
- 802.11a/g/n: orthogonal frequency-division multiplexing (OFDM)
- 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

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 300 (MCS0 tot MCS15)

### Power

Power source

- 802.3at compliant source

Power consumption

- TBD

### Antennas

Four detachable high gain antennas

- two detachable 5dBi 2.4GHz antennas
- two detachable 7dBi 5GHz antennas

Omni-directional type

- Provide the optimal coverage

Compliant with N-type connector

### Interface

Two 10/100/1000 BASE-T Ethernet ports:

- One port (LAN1) supports 802.3at PoE input
- One port (LAN2) supports signal extension
- Reset button on the PoE injector (EPE-48GR)

### Mechanical & environment

Dimensions

- 285mm (L) x 218mm (W) x 55mm (H)
- 1890gr (unit without mounting kit and antennas)

Temperature and humidity

- Operating temperature: -20°~70°C
- Operating humidity: 0%~90% typical
- Storage temperature: -30°C~80°C

Surge / EDS protection

- EDS protection: 8KV (air); 4KV (contact)
- Surge protection: 4KV (certificated standard is 1KV)

Harsh environment use

- IP68 rated

### Operation mode

Access point/Client bridge/WDS

- A variety of operation modes to serve multiple constituencies and applications.

### Easy to manage

Auto channel selection

- Setting varies by regulatory domains SSIDs
- BSSID support
- 16 SSIDs support
- Support 8 SSID on both 2.4GHz/5GHz bands

VLAN pass-through

- VLAN pass-through over WDS bridge mode

SNMP & MIB

- v1/v2c/v3 support, MIB I/II, Private MIB

Save configuration as default

- Saves the users' configuration as default value

Clients traffic status

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

QoS

- Compliant with IEEE802.11e standard.