



Dual Band, Long Range Wireless N Indoor Access Point/Client Bridge

Make your business network bigger. Expand its bandwidth and double its user capacity – all at Wireless N speeds!

The EnGenius ECB600 is a concurrent dual band 2.4 / 5 GHz Wireless-N Indoor Access Point that features high transmit RF power (29 dBm on 2.4GHz and 26 dBm on 5GHz) for long range connectivity. With wireless speeds up to 300Mbps on each radio and a Gigabit port for connecting to a switch or router it's ideal for expanding a network with additional bandwidth to support additional users.

The dual band Wireless-N ECB600 now enables companies to connect to more employees, guests, staff or students more especially those who transfer large files within the network or use other bandwidth intensive applications like streaming HD video. The AP's Gigabit Ethernet (10/100/1000) port also offers greater bandwidth capacity and faster data transfers through the network. This high-powered Access Point/Bridge with its enhanced receive sensitivity and external MIMO (Multiple In/ Multiple Out) antennas array extends wireless coverage and enhances connectivity to client devices even in areas where connections have been previously challenging or non-existent and in some buildings it's wireless signal can penetrate up to 3 floors. This makes the ECB600 ideal for extending networks within large or multi-story

Key Features

- Up to 29dBm transmit power enabling long range connectivity
- Supports IEEE802.11a/b/g/n wireless standards with up to 300 Mbps data rate
- Four detachable 5 dBi omni-directional MIMO antennas
- Can be monitored after deployment with EnGenius EZ Controller™ software for Windows
- PoE
- Dual Band/Two Stream
- Leader in Price/Performance Band Steering

buildings or expansive, client-intensive properties like hotels, resorts, hospitals, office buildings, universities or other multi-building campus facilities.

The ECB600 can be configured to operate in several modes – as a dual band Wireless-N Access Point, a WDS Access Point, or Repeater. It operates concurrently in the 2.4GHz and 5GHz frequency spectrums supporting 802.11a/b/g/n standards. ECB600 also includes EZ Controller, access point monitoring and management software that provides a robust suite of tools for IT managers, installers and network administrators to monitor the performance of their deployed EnGenius access points and bridges, update them with new firmware or reconfigure the operation mode that they are in from one central location.



Technical Specifications

Standard

IEEE 802.11a/b/g/n

Antenna

External/detachable 5 dBi Omni-directional Antennas

Physical Interface

1 x 10/100/1000 Gigabit Ethernet Port 1 x Reset Button

1 x Power Connector

1 x Power Switch

LED Indicator

Power

WPS

WLAN (Wireless Connection) LAN

Power Requirements

External Power Adapter DC IN, 12V / 2A

Wireless Functional List

Operation Modes

Access Point / Client Bridge / WDS / Repeater

WDS Detail

WDS AP WDS bridge WDS station

Security

WEP (64/128bit)

WPA/WPA2 (TKIP/AES)

Hidden ESSID

MAC address filtering, up to 50 field

L2 Isolation

802.1x Authenticator (MD5/TLS/TTLS/PEAP)

QoS (Quality of Service)

WMM (Wireless Multimedia)

Environment & Mechanical

Temperature Range

Operating: 32 to 122°F / 0 to 50°C Storage: -4to140°F/-20to60°C

Humidity (non-condensing)

Operating: 90% or less Storage: 90% or less

Weights & Measures

Width: 5.5" Length: 7.3" Height: 1.14"

Packaging

Width: 2.8" Length: 12.2" Height: 9.2"

Package Contents

ECB600 Access Point

Power Adapter

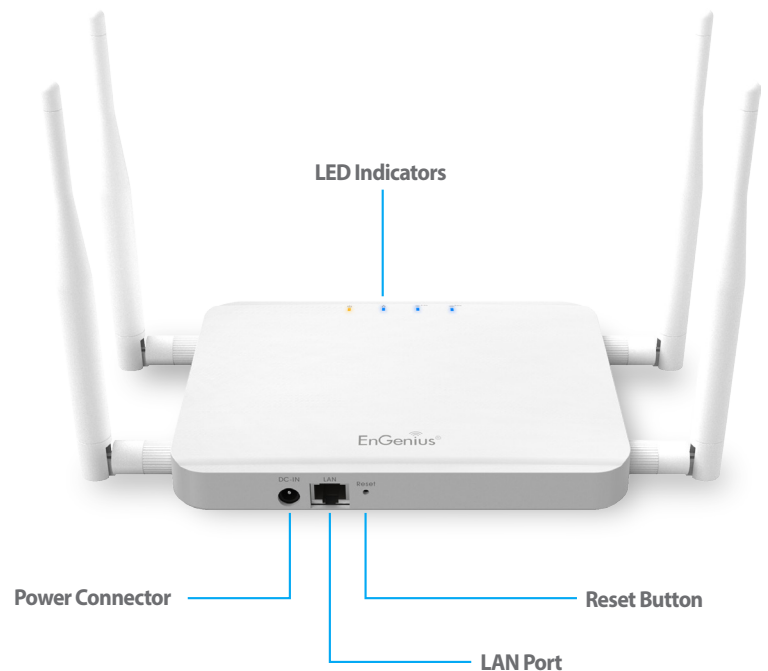
RJ-45 Ethernet Cable

CD with User Manual and EZ Controller Quick Installation Guide

Wall Mount Screw kit

2.4 GHz Detachable Antenna x2

5 GHz Detachable Antenna x2



Maximum data rates are based on IEEE 802.11 standards. Actual throughput and range may vary depending on many factors including environmental conditions, distance between devices, radio interference in the operating environment, and mix of devices in the network.

EnGenius Technologies | 1580 Scenic Ave. Costa Mesa, CA 92626

Email: partners@engeniustech.com | Phone: 888-735-7888 | Website: engeniustech.com

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