

## 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 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.

[www.engeniustech.com](http://www.engeniustech.com)

### 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



## 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: -4 to 140°F / -20 to 60 °C

### Humidity (non-condensing)

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

### Weights & Measures

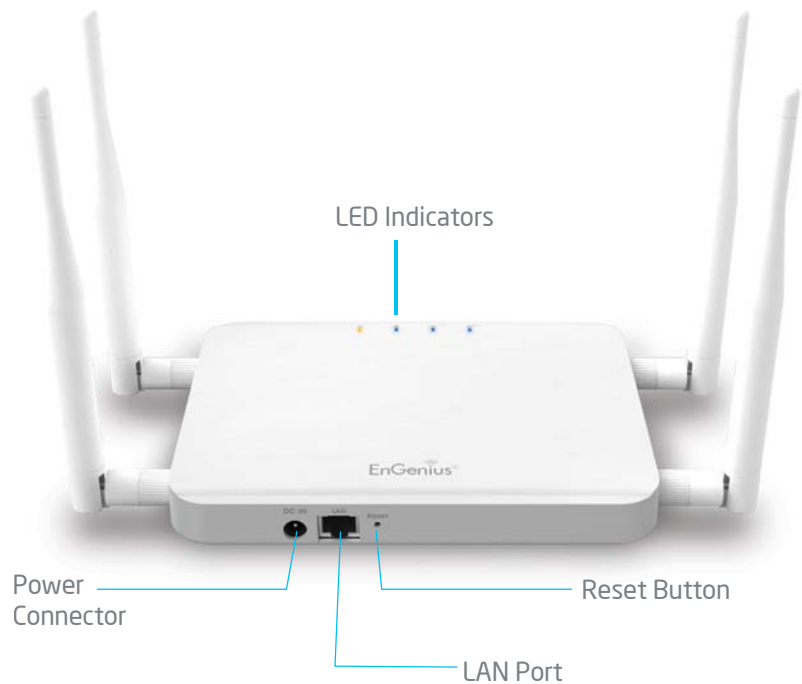
Width: 5.5"  
Length: 7.3"  
Height: 1.14"

### 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. Features and specifications subject to change without notice. Trademarks and registered trademarks are the property of their respective owners. For United States of America: Copyright © 2013 EnGenius Technologies, Inc. All rights reserved.