



802.11a/b/g Client Bridge / Access Point ECB-8610S

EnGenius, the industry leader in long range wireless networking, presents the ECB-8610, designed for small to medium businesses looking to deploy dualband networks capable of delivering 802.11a/g high performance speed. Integrated 802.3af (PoE) support allows installation of the device in areas where power outlets are not readily available. Security features included WEP, WPA, MAC Address Filtering, and disable SSID Broadcast.

Specifications

General:

- High Speed Data Rates up to 54Mbps for heavy data payloads like video streaming.
- Fully interoperable with IEEE802.11a/b/g compliant devices
- WPA and 802.1x support for data protection.
- WDS (Wireless Distribution System) in Access Point mode.
- SNMP support for easy remote management.
- 802.3af Power-over-Ethernet.
- FCC Part 15 B & C, CE: EN 300328, EN 301489, EN 60950

Radio:

- **Frequency Band:**
802.11a: 5.15~5.35GHz, 5.47~5.725GHz, 5.725~5.825GHz
802.11b/g: 2.4~2.484 GHz (USA)
- **Media Access Protocol:**
Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)
- **Modulation Technology:**
802.11a/g: OFDM (64-QAM, 16-QAM, QPSK, BPSK)
802.11b: DSSS (DBPSK, DQPSK, CCK)
- **Receive Sensitivity (Typical)**
5.15~5.82 GHz
6Mbps @ -90dBm 54Mbps @ -74dBm
2.412~2.472G(IEEE802.11g)
6Mbps@ -91dBm 54Mbps@ -74dBm
2.412~2.472G(IEEE802.11b)
11Mbps@ -90dBm 1Mbps@ -95dBm
- **Available Transmit Power (Typical)**
5.15~5.25 GHz(IEEE802.11a)
22dBm @6 ~ 24Mbps
20dBm @36Mbps
18dBm @48Mbps
17dBm @54Mbps
5.25~5.35GHz(IEEE802.11a)
20dBm @6 ~ 24Mbps
18dBm @36Mbps
16dBm @48Mbps
15dBm @54Mbps
5.500~5.700GHz(IEEE802.11a)
21dBm @6 ~ 24Mbps
19dBm @36Mbps
17dBm @48Mbps
16dBm @54Mbps
5.745~5.85GHz (IEEE802.11a)
20dBm @6 ~ 24Mbps
18dBm @36Mbps
16dBm @48Mbps
15dBm @54Mbps

- 2.412~2.472G(IEEE802.11g)
27dBm @6 ~ 24Mbps
25dBm@36Mbps
24 dBm@48Mbps
23dBm@54Mbps
- 2.412~2.472G(IEEE802.11b)
28 dBm@1, 2, 5.5 and 11Mbps
- **RF Connector:**
RP-TNC

Networking:

- **Topology**
Ad-Hoc, Infrastructure
- **Operation Mode**
Point-to-Point/ Point-to-Multipoint Bridge/ AP/ Client Bridge/ WDS
- **Interface**
Wireless IEEE802.11b/g
10/100 RJ-45 port
- **Security**
IEEE802.1x Authenticator / RADIUS Client (EAP-MD5/TLS/TTLS)
Support in AP Mode
IEEE802.1x Supplicant (EAP-MD5/TLS/TTLS, PEAP)
Support in Client Bridge Mode
WPA /WPA2/ Pre Share KEY (PSK) with TKIP/AES
MAC Address Filtering (AP only)
Hide SSID in Beacons
VLAN Pass-through
- **IP Auto-configuration**
DHCP client/server

Management:

- **Configuration**
Web-based Configuration (HTTP)
Telnet Configuration
SNMP

Firmware Upgrade:

Upgrade Firmware Via Web Browser

Environment:

- **Temperature Range**
Operating: 0°C to 45°C (32°F to 113°F)
Storage: -40°C to 70°C (-40°F to 158°F)
- **Humidity (non-condensing)**
5%-95% Typical



1580 Scenic Avenue
Costa Mesa, CA 92626
Toll Free: 888.735.7888

Tel: 714.432.8668
Fax: 714.432.8667
www.engeniustech.com

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