



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

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 high performance speeds in both the 802.11a or 802.11g. Integrated 802.3af (PoE) port 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/UL, ETSI 300/328/CE

Radio:

- **Frequency Band:**
802.11a: 5.15-5.25GHz, 5.25-5.35GHz, 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:**
Orthogonal Frequency Division Multiplexing (OFDM)
 - DBPSK @ 1Mbps
 - DQPSK @2Mbps
 - CCK @ 5.5 & 11Mbps
 - BPSK @ 6 and 9 Mbps
 - QPSK @ 12 and 18 Mbps
 - 16-QAM @ 24 and 36 Mbps
 - 64-QAM @ 48 and 54 Mbps
- **Operating Channels**
802.11b/g: 11 (North America)
802.11a: 12 non-overlapping channels (North America)
- **Receive Sensitivity (Typical)**
5.15 - 5.85G(IEEE802.11a)
 - 6Mbps@ -88dBm
 - 54Mbps@ -70dBm
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 - 5.24 GHz(IEEE802.11a)
 - 17dBm @6 - 24Mbps
 - 17dBm @36Mbps
 - 16 dBm @48Mbps
 - 15 dBm @54Mbps
5.26 - 5.35GHz(IEEE802.11a)
 - 20dBm @6 - 24Mbps
 - 18dBm @36Mbps
 - 16 dBm @48Mbps
 - 15 dBm @54Mbps
5.745 - 5.85GHz (IEEE802.11a)
 - 18dBm @6 - 24Mbps
 - 16dBm @36Mbps
 - 14 dBm @48Mbps
 - 13 dBm @54Mbps

- 2.412-2.472G(IEEE802.11g)
 - 26dBm @6 - 24Mbps
 - 23dBm @36Mbps
 - 22 dBm @48Mbps
 - 21 dBm @54Mbps
- 2.412-2.472G(IEEE802.11b)
Up to 26 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**
AP Mode: IEEE802.1x / RADIUS Client (EAP-MD5/TLS/TTLS)
WPA /WPA2/ Pre Share KEY (PSK) with TKIP/AES
MAC Address Filtering (AP Mode)
Hide SSID
- **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: -10°C to 50°C (14°F to 132°F)
Storage: -40°C to 70°C (-40°F to 158°F)
- **Humidity (non-condensing)**
5%-95% Typical
- **Package Contents**
1 Client Bridge/AP
Power Adapter
CAT5 UTP Cable
Dual Band Antenna
CD-ROM with User's Manual



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