802.11g/b High Powered Client Bridge w/ AP Functionality

ECB-3220

Ushering in the next generation of indoor client bridges with access point functionality is the ECB-3220 by EnGenius Technologies. Having the standard in quality and functionality expected from EnGenius client bridges, the ECB-3220 also adds advanced features such as security enhancement functionalities like EAP-TTLS and supports a multitude of certified solutions such as 802.3af Power over Ethernet. The ECB-3220 is the perfect solution for any application you might have.

Specifications

General:
- High Speed Data Rates up to 54Mbps for heavy data payloads like video streaming
- Fully interoperable with IEEE802.11b & 802.11g compliant devices
- Point-to-point or point-multipoint capable wireless connectivity
- True Plug & Play device with no drivers necessary
- Full WPA & IEEE802.1x supplicant support for maximum security
- Hide SSID functionality creates a private network accessible only to those that you wish to allow
- Built-in DHCP Client/Server for easy network administration
- Fully funtional WDS "Wireless Distribution System" for bridge, access point, and repeater functionality all in one package
- MAC address filtering in AP mode ensures network security
- SNMP v1/v2 support for easy remote management
- 802.3af Power over Ethernet certified device
- Controllable output power for maximum flexibility in deployment options

Radio:
- **Frequency Band:** 2.4–2.484GHz
- **Media Access Protocol:**
  Carrier Sense Multiple Access with Collision Avoidance
- **CSMA/CA**
- **Radio Type:** Direct Sequence Spread Spectrum (DSSS)
- **Operation Channels:** 11 for North America
- **RF Output Power (Typical):**
  25 +/- 2dBm @ 1,2,5.5 & 11Mbps
  23 +/- 2dBm @ 6,9,12 & 18Mbps
  22 +/- 2dBm @ 24 & 36Mbps
  21 +/- 2dBm @ 48 & 54Mbps
- **Antenna Connector:** TNC Type *Female Reverse*
- **Receive Sensitivity (Typical):**

-94dBm @ 1Mbps	-92dBm @ 2Mbps
-89dBm @ 5.5Mbps	-86dBm @ 11Mbps
-92dBm @ 6Mbps	-90dBm @ 9Mbps
-88dBm @ 12Mbps	-86dBm @ 18Mbps
-83dBm @ 24Mbps	-79dBm @ 36Mbps
-74dBm @ 48Mbps	-72dBm @ 54Mbps

- **Modulation *OFDM:**

DBPSK @ 1Mbps	DQPSK @ 2Mbps
CCK @ 5.5&11Mbps	BPSK @ 6&9Mbps
QPSK @ 12&18Mbps	16-QAM @ 24&36Mbps
64-QAM @ 48&54Mbps	

Network:
- **Network Topology:**
  Ad-Hoc, Infrastructure
- **Operation Modes:**
  Point-to-point/Point-to-Multipoint Bridge/Access point/ Client Bridge/WDS
- **Interface:** 1x 10/100Mbps RJ-45 LAN Port
- **Supported OS:**

Windows 98SE	Windows ME
Windows 2000	Windows XP

- **Roaming:** IEEE802.11b compliant
- **Security:**
  IEEE802.1x Authenticator/RADIUS Client *EAP-MD5/TLS/ TTLS* support in Access Point Mode
  WPA/Pre-share Key(PSK)/TKIP
  MAC Address Filtering
  Hide SSID in beacons
  Layer 2 isolation
- **IP Auto Configurations:**
  DHCP Client/Server

Specifications:
- **Data Rates:** 1,2,5.5,6,9,11,12,18,24,36,48,54Mbps
  Standards: IEEE802.11b, IEEE802.1x, IEEE802.3, IEEE802.3u, IEEE802.11g, IEEE802.11b/g
- **Power Requirements:**
  Power Supply 110VDC   Device 12V/1A
- **Status LEDs:**
  LAN- Link   WLAN- Link
  Power- on/off
- **Regulation Certifications:** FCC Part 15/UL, ETSI300/328/CE

Environment:
- **Temperature Range:**
  Operating: -10ºC to +60ºC
  Storage: -40ºC to 70ºC
- **Humidity (non-condensing):**
  5%~95% Typical

Management:
- **Configuration:**   Web-based configuration *HTTP Telnet configuration SNMP V1/V2C* MIBI, MIBII
- **Firmware Upgrade:** Upgrade Firmware via web-browser

Package Content:
- 1x ECB-3220   1x Power Adapter   1x CAT5 UTP Cable
  1x Quick Start Guide   1x CD ROM w/ User Manual

All specifications are subject to change by EnGenius without prior notice