

The Wireless High Power and High Gain Bridge/ Client Router/ Access Point / Repeater operates seamlessly in the 2.4 GHz frequency spectrum supporting the 802.11b (2.4GHz, 11Mbps) and the newer, faster 802.11g (2.4GHz, 54Mbps) wireless standards. It's the best way to add wireless capability to your existing wired network, or to add bandwidth to your wireless installation.

To protect your wireless connectivity, it can encrypt all wireless transmissions through 64/128-bit WEP data encryption and also supports WPA/WPA2. The MAC address filter lets you select exactly which stations should have access to your network. User isolation function can protect the private network between client users.



Features	Benefits
High Speed Data Rate Up to 54Mbps	Capable of handling heavy data payloads such as MPEG video streaming
High Output Power up to 26 dBm	Excellent output power spreads the operation distance
IEEE 802.11b/g Compliant	Fully Interoperable with IEEE 802.11b/IEEE802.11g compliant devices
SNMP Remote Configuration Management	Help administrators to remotely configure or manage the Access Point easily.
Point-to-point, Point-to-multipoint Wireless Connectivity	Let users transfer data between two buildings or multiple buildings
WPA2/WPA/ IEEE 802.1x support	Powerful data security
Hide SSID (AP Mode)	Avoids unallowable users sharing bandwidth, increases efficiency of the network
DHCP Client/ Server	Simplifies network administration
WDS (Wireless Distributed System)	Make wireless AP and Bridge mode simultaneously as a wireless repeater
Universal Repeater	The easiest way to expand your wireless network's coverage
MAC address filtering (AP mode)	Ensures secure network connection
User isolation support (AP mode)	Protect the private network between client users.
PPPoE function support (CR mode)	Easy to access internet via ISP service authentication
Power-over-Ethernet (IEEE802.3af)	Flexible Access Point locations and cost savings
Keep personal setting	Keep the latest setting when firmware upgrade

\*\*\* Subject to change without prior notice



# ECB - 3220

Wireless Bridge/ Client Router/AP/Repeater



2.4 GHz

802.11 b/g

54 Mbps

## Technical Specifications

### Data Rates

1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps

### Standards

IEEE802.11b/g, IEEE802.1x, IEEE802.3, IEEE802.3u

### Compatibility

IEEE 802.11g/ IEEE 802.11b

### Power Requirements

Power Supply: 90 to 240 VDC  $\pm$  10%  
(depends on different countries)  
Device: 12 V/ 1.25A

### Status LEDs

LAN: Link, WLAN: Link, Power: on/off

### Regulation Certifications

FCC Part 15/UL, ETSI 300/328/CE

## RF INFORMATION

### Frequency Band

2.400~2.484 GHz

### 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

11 for North America, 14 for Japan, 13 for Europe, 2 for Spain, 4 for France

### Receive Sensitivity (Typical)

-88dBm @ 6Mbps  
-70dBm @ 54Mbps

### Available Transmit Power

#### (Typical)

25dBm @ 1~24Mbps  
23dBm @ 36Mbps  
21dBm @ 48Mbps  
20dBm @ 54Mbps

### RF Connector

TNC Type (Female Reverse)

## NETWORKING

### Topology

Ad-Hoc, Infrastructure

### Operation Mode

Point-to-Point/ Point-to-Multipoint  
Bridge/ Client Router/ AP/ WDS/  
Repeater

### Interface

One 10/100Mbps RJ-45 LAN Port

### Security

- ◆ IEEE802.1x Authenticator / RADIUS Client (EAP-MD5/TLS/TLS) Support in AP Mode
- ◆ WPA /WPA2
- ◆ MAC address filtering
- ◆ Hide SSID in beacons
- ◆ User isolation
- ◆ NAT in CR mode

### IP Auto-configuration

DHCP client/server

## MANAGEMENT

### Configuration

- ◆ Web-based configuration (HTTP)
- ◆ SNMP V1, V2c
- ◆ Telnet

### Firmware Upgrade

Upgrade firmware via web-browser

## ENVIRONMENTAL

### Temperature Range

Operating: 0°C to 45°C (32°F to 113°F)

Storage: -20°C to 70°C (-4°F to 158°F)

### Humidity (non-condensing)

5%~95% Typical

### Package Contents

One Bridge/AP/Repeater Device  
One Power Adapter  
One CAT5 UTP Cable  
One Quick Start Guide  
One CD-ROM with User's Manual

### Related Product(s)

11 b/g Wireless USB Adapter  
EUB-362 Series  
EUB-3701  
11a/b/g Wireless USB Adapter  
EUB-862 Series  
EUB-8301  
11b High-power Client Bridge  
2611CB3+(Deluxe)  
11g Indoor AP-Client  
ECB-3610  
11g Indoor Router  
ESR-1220  
11g Outdoor AP-Client  
EOC-3220 Series  
EOC-3610 Series  
11 b/g/n Wireless USB Adapter  
EUB-9701 Series

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