ECB - 3220

Wireless Multi-Client Bridge/AP

2.4 GHz	802.11 b/g	54 Mbps

The Wireless Multi-Client Bridge / Access Point / WDS (wireless distribution system) operates in the 2.4 GHz frequency spectrum supporting the 802.11b (2.4GHz, 11Mbps) and the newer, faster 802.11g (2.4 GHz, 54 Mbps) 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 encrypt all wireless transmissions through 64/128-bit WEP data encryption and supports MPA. The MAC address filter lets you select exactly which stations should have access to your network. With the Wireless Multi-Client Bridge / Access Point / WDS, you will experience the best wireless connectivity available today.

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 26dBm	Excellent output power spreads the operation distance
IEEE 802.11b/g Compliant	Fully interoperable with IEEE 802.11b/IEEE 802.11g compliant devices
Point-to-Point, Point-to-Multipoint Wireless Connectivity	Let users transfer data between two buildings or multiple buildings
Plug and Play	No driver needed, easy and quick to connect your Ethernet device to Wireless
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
MAC Address Filtering (AP Mode)	Ensures secure network connection
Power-Over-Ethernet (IEEE 802.3af)	Flexible Access Point locations and cost savings

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

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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 +/- 10% (depends on different countries)
Device: 12 V/ 1A

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

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Operating Channels

11 for North America, 14 for Japan, 13 for Europe,

Receive Sensitivity (Typical)

-72dBm @ 54Mbps

Available transmit power (Typical)

25dBm @1,2,5.5 and 11Mbps
23dBm @6,9,12, 18Mbps
22dBm @24,36Mbps
21dBm @48, 54Mbps

RF Connector

TNC Type (Female Reverse)

NETWORKING

Topology

Ad-Hoc, Infrastructure

Operation Mode

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

Interface

One 10/100Mbps RJ-45 LAN Port

Security

IEEE802.1x Authenticator / RADIUS Client (EAP-MD5/TLS/TTLS) Support in AP Mode
WPA / Pre-share Key (PSK) / TKIP
MAC address filtering
Hide SSID in beacons
Layer 2 isolation

IP Auto-configuration

DHCP client/server

MANAGEMENT

Configuration

Web-based configuration (HTTP)

Firmware Upgrade

Upgrade firmware via web-browser

ENVIRONMENTAL

Temperature Range

Operating: -10°C to 60°C (14°F to 140°F)
Storage: -40°C to 70°C (-40°F to 158°F)

Humidity (non-condensing)

5%~95% Typical

PACKAGE CONTENTS

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

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