

The Wireless Multi-Client Bridge/Access Point/ WDS (wireless distribution system) 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. 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'll experience the best wireless connectivity available today.



Features	Benefits
High RF Output Power	Capable of handling heavy data payloads such as MPEG video streaming
High Speed Data Rate Up to 54Mbps	Fully Interoperable with IEEE 802.11b/ IEEE802.11g compliant devices
IEEE 802.11b/g Compliant	Allows users to transfer data between multiple buildings
Point-to-point, Point-to-multipoint Wireless Connectivity	Flexible Access Point locations and cost savings
Power-over-Ethernet (IEEE 802.3af Compliant)	Powerful data security
Hide SSID (AP Mode)	Avoids unauthorized users from sharing the bandwidth and increases efficiency of the network
DHCP Client/ Server	Simplifies network administration
WDS (Wireless Distribution System)	Configures wireless AP and Bridge mode simultaneously as a wireless repeater
MAC address filtering (AP Mode)	Ensures secure network connections
Seamless Roaming	Allows users to roam between APs without losing their network connection.
More coverage than regular multi-client bridge	

*** Subject to change without prior notice



ECB - 8610

Wireless Multi-Client Bridge/AP/WDS



2.4 GHz / 5.0 Ghz

802.11 a/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 compliant

Power Requirements

Power Supply: 90 to 240 VDC \pm 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

Operating Channels

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

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

Available transmit power (Typical)

21 \pm 2dBm @1, 2, 5.5 and 11Mbps
20 \pm 2dBm @6, 9, 12, 18Mbps
17 \pm 2dBm @24, 36Mbps
16 \pm 2dBm @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—AP Mode Access
PSK (Pre share key) with 64/ 128-bit WEP Key
EAP-MD5/TLS/ TTLs authenticator (AP Mode) support
TKIP
MAC address filtering (WLAN)
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

Physical

Dimensions (HxWxD)

125(L)mm * 108(W)mm * 31(H)mm
4.9 (L)in* 4.3(W)in * 1.2(H)in

Weight

350 g (0.8 lb.)

Environmental

Temperature Range

Operating: -10°C to 45°C (14°F to 113°F) -
Storage: -40°C to 70°C (-40°F to 158°F)

Humidity (non-condensing)

5%~95% Typical

Package Contents

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

Related Product(s)

11a/b/g Wireless Cardbus Adapter
3054CB+ (802.11g)
3054CB+ Aries2 (802.11g)
SPC-362 (802.11g)
5354CB+ Aries2 (802.11a/b/g)
11a/b/g High-power Wireless USB Adapter
SUB-362 (802.11b/g)
SUB-862 (802.11a/b/g)
11b High-power Wireless Cardbus Adapter
2511CD+
11b High-power Client Bridge
2611CB3+(Deluxe)
11b Outdoor AP/ Router
2511HS+
2511BG+

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