

PRODUCT DATASHEET

Wireless Multi-Client Bridge/AP/ WDS 3054CB3 PLUS (Deluxe)

2.4 GHz

802.11 b/g

54 Mbps

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 and also supports WPA. 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	More coverage than regular multi-client bridge
High Speed Data Rate Up to 54Mbps	Capable of handling heavy data payloads such as MPEG video streaming
IEEE 802.11b/g Compliant	Fully Interoperable with IEEE 802.11b/ IEEE802.11g compliant devices
Point-to-point, Point-to-multipoint Wireless Connectivity	Allows users to transfer data between multiple buildings
Power-over-Ethernet (IEEE 802.3af Complaint)	Flexible Access Point locations and cost savings
WPA (TKIP/ Pre-shared key) support	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.

* Theoretical wireless signal rate based on IEEE standard of 802.11a, b, g chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.

** All specifications are subject to change without notice.

5/11/2005

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

WPA – Wi-Fi Protected
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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