

SL-5GTW

802.11a/b/g High Power Outdoor Bridge – Dual Band



Key Features

- Adjustable RF Output power, High Power up to 500mW
- 108Mbps; 9 times faster than IEEE 802.11b standard
- Dual Frequency Radio 802.11a/b/g
- Multi-BSSID support (VSSID) with VLAN tags
- Channel support : North America, Europe, Japan
- Various Antenna Configurations
- Non Line of sight (NLOS) and line of Sight (LOS) Deployments
- Auto rate fallback in case of obstacles or interferences
- Supports WPA / WPA2 security enhanced function
- Supports WDS(Wireless Distributed System) bridge mode
- Provides station mode to act as a wireless LAN client station
- Supports roaming link integrity
- Supports authentication for wireless connectivity based on ESSID
- Provides 64/128 bit key length WEP data encryption
- POE built-in for single cable installation

Benefits

Sesami introduces SL-5GTW as professional outdoor solution at 802.11g protocol. It can offer reliable and high speed of data transmission up to 108Mbps (Super G) and especially powerful at bridge function. With watertight housing and equipped build-in lightning arrester, SL-5GTW is designed to endure almost any outdoor condition, rain, snow, sleet and lightning. For advanced installations, this Access Point has an integrated 802.3af Power over Ethernet (PoE) port that allows you to install the device in areas where power outlets are not readily available. Reset button is available, which enable customers to reset bridge easily. Multiple working modes, Access Point, Point-to-Point(PtP), Point-to-Multipoint(PtmP), Repeater, WDS(AP+Repeater), enable SL-5GTW to work as almost any part of network. With external antenna, they can transmit data effectively, spanning 25 kilometers. Network administrator can manage

SL-5GTW from Web. For advanced network management, administrators can use AP Manager or SNMP management module to configure multiple access points from a single location. SL-5GTW Wireless Outdoor Bridge is ideal for connecting LANs in distant buildings at speeds approaching those of wired Ethernet.

The hardware features of the 802.11a/b/g Access Point include a powerful 27dBm RF engine that is selectable between the 802.11b/g and 802.11a bands. Coupled with the added benefit of an external N-connector for custom antenna application, this product is one of the most flexible on the market today.

Specification

Standards

Wireless: IEEE 802.11a/b/g
Ethernet: IEEE 802.3/u (10/100BaseTx)

Data Rate

802.11b: Up to 11 Mbps
802.11g: 54Mbps (108Mbps)
802.11a: 54Mbps (108Mbps)

OS Supported

Windows 98SE, ME, 2000, XP

Hard Ware - Chipset

CPU/BB/MAC: Atheros 2313
Radio: Atheros 5112(2112)

Hard Ware - Memory

Flash: 4MB-8MB
SDRAM: 16MB-32MB

Frequency Range

IEEE802.11a:
5150 MHz - 5250 MHz (Japan)
5150 MHz- 5350 MHz /5470 MHz – 5725 MHz (Europe)
5150 MHz - 5350 MHz / 5725 MHz – 5850 MHz (USA)
IEEE802.11b/g:
2412 ~ 2462 MHz (N.A)
2412 ~ 2472 MHz (EU)
2412 ~ 2484 MHz (Japan)
* (Country dependant)

Operating Channel

IEEE802.11a
4 Channels (Japan)
19 Channels (Europe)
13 Channels (USA)
IEEE802.11g/b
14 channels (Japan)
13 channels (Europe)
11 channels (USA)

Emission Type

DSSS / OFDM

Operation Mode

AP / Router / Bridge / Repeater / Client

Output Power

IEEE802.11a: 23dBm Max (Adjustable)
IEEE802.11g/b: 27dBm Max (Adjustable)

Sensitivity

IEEE 802.11b:
1, 2 Mbps (BPSK, QPSK): - 96dBm
11 Mbps (CCK): -91dBm

IEEE 802.11a/g:
54Mbps (64QAM): -74dbm
48Mbps (64QAM): -76dbm
36Mbps (16QAM): -78dbm
24Mbps (16QAM): -80dbm
18Mbps (QPSK): -81dbm
12Mbps (QPSK): -82dbm
9Mbps (BPSK): -85dbm
6Mbps (BPSK): -91dbm

Frequency Stability

Within ± 25 ppm

Data Modulation Type

BPSK, QPSK, CCK and OFDM

Standards & Protocol

802.3/u: 10/100 Mbps Fast Ethernet,
IP v4, UDP, ICMP, TCP
Routing: RIPv1, RIPv2
Secure: PAP, CHAP
Network Timing Protocol, DHCP, DDNS, PPPoE, UPnP

Security

WEP 64/128 , 802.1X support
Wi-Fi Protected Access (WPA)
WPA-PSK, WPA II
SSID Broadcast Disable function
Firewall: MAC Filter IP Filter VPN Pass through:
IPsec: PPTP Thermal display

Configuration & Management

Web-Based Configuration
TFTP for software upgrade available
Syslog SNMP: MIBII v1,2,3
Support alias IP

Operating Environment

Temperature: -30°C ~ +70°C
Humidity: 5%~98% non-condensing

Other Integration

Power Over Ethernet on Board
Lightning Arrestor on board
Hardware heating sensor

Applications

Outdoor Access Point / Outdoor CPE / Outdoor Point-to-Point / Outdoor Point-to-Multi-Point
Outdoor Hot Spot / Outdoor Surveillance

Order Information - Options

- * SL-5GTW : With N Type (Female) Interface.
- * SL-5GTW-16: With Integrated 16dBi Panel Antenna (2.4Ghz), Operating Only 802.11b/g
- * SL-5GTW-18: With Integrated 18dBi Panel Antenna (5Ghz), Operating Only 802.11a
(* Outdoor Reset Push Button)



SL-5GTW



SL-5GTW-16



SL-5GTW-18

Package Contents

1. Wireless Outdoor Bridge
2. Power Adapter + Power Cord (Power 18V 1A)
3. RJ-45 Waterproof Hat
4. DC Injector
5. Fixed Setting
6. CD with User Guide



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