

# SL-1WTW

## 802.11b/g 1000mW High Power Outdoor Bridge



### Key Features

- Adjustable RF Output power, High Power up to 1W
- 54Mbps; 4 times faster than IEEE 802.11b standard
- Channel support : North America, Europe, Japan
- 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

The SL-1WTW High Power Outdoor Bridge is used for offering a wireless interface, which eliminates the effort cabling for your LAN with the wireless feature. With being compliant to IEEE 802.11g specification, SL-1WTW supports data rate up to 54Mbps and hence help to construct your high-speed Wireless Link or Base Station (WISP)

### WDS Bridge Mode (Repeater Mode)

The WDS (Wireless Distributed System) function lets this access point act as an wireless LAN access point and repeater at the same time. Users can use this feature to build up a large wireless network in a large space like airports, hotels and schools ...etc. This feature is also useful when users want to bridge networks between buildings where it is impossible to deploy network cable connections between these buildings.

### Station Mode (AP Client Mode)

By setting this access point into station mode and connecting to a network device's Ethernet port, it can let a network device that originally only supports wired Ethernet access the wireless LAN easily without changing any configuration.

### Robust Wireless LAN Security

Except for the basic security control by using ESSID and 64/128 bit key length WEP encryption, this access point also supports the advanced security features, like MAC access control and hide ESSID. It provides a total solution for you to build up a secure wireless LAN network environment that can prevent from all kinds of hacker intrusion.

## Specification

### WLAN Standard

IEEE 802.11b  
IEEE 802.11g

### Radio Scheme

CCK - 802.11b  
OFDM - 802.11g

### Frequency Range

2.4 GHz ~ 2.497 GHz ISM Band, DSSS

### Number of Channels

North America: 11 Channels (US, Canada)  
ETSI: 13 Channels (Most European Countries)  
TELEC: 14 Channels (Japan)

### RF Output Power

27dBm@OFDM, 30dBm@CCK

### Transmit Power (Typical)

30dBm@1, 2, 5.5 and 11Mbps  
29dBm@6, 9, 12 and 18Mbps  
28dBm@24, 36Mbps  
27dBm@48, 54Mbps

### Receiver Sensitivity

802.11b -82 dBm@8%  
802.11g -66 dBm@10%

### Sensitivity for 802.11b

1, 2 Mbps (BPSK, QPSK): - 90 dBm  
5.5 Mbps (CCK): - 86 dBm  
11 Mbps (CCK): -82 dBm  
(Typically @PER < 8% packet size 1024 and @25°C + 5°C)

### Operating Mode

AP / AP-WDS / AP- BRIDGE / CLIENT

### Security

Password Protection  
WPA for 802.1x and WPA-PSK  
WPA2 / IEEE 802.11i  
Hidden SSID Support  
64/128-bit WEP Encryption

### Operating Environment

Temperature -30° C ~ 60°C  
Humidity Up to 95% (non-condensing)

### Certification

FCC

### Antenna

N(F) Connector EXT Type

### Power Supply

Input: 100~240V Output: 18V 1.0A

### Sensitivity for 802.11a

54Mbps (64QAM): -66dbm  
48Mbps (64QAM): -71dbm  
36Mbps (16QAM): -79dbm  
24Mbps (16QAM): -80dbm  
18Mbps (QPSK): -81dbm  
12Mbps (QPSK): -82dbm  
9Mbps(BPSK): -85dbm  
6Mbps (BPSK): -87dbm  
(typically @PER < 10% packet size 1024 and @25°C + 5°C)



Sesami, Corporate Headquarters, 257/431 P.H Road, Aminjikarai, Chennai, Tn, India.  
E-Mail: [sales@sesami.in](mailto:sales@sesami.in)

To learn more about sesami products, visit [www.sesami.in](http://www.sesami.in).