

SL-5TW

802.11b/g 500mW High Power Outdoor Bridge



Key Features

- Adjustable RF Output power, Up to 27dBm
- 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
- User friendly Web GUI for Device Configuration
- VOIP-Friendly QOS mechanism
- 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 SL-5TW is an outdoor high power multi-mode wireless access point solution specially designed for WISP applications in any harsh environments. It is not just an N-in-1 box, but employs up to 24dbm (250mW) 802.11g, (500mW) 802.11b RF output power which enables WISP operators to reach more customers in broader area. For today's competitive WISP market, SL5TW is an ideal solution encompassing the flexible deployment, high security, lower TCO, and ease-of-use advantages.

Higher RF Output Power

Up to 24dBm (250mW) under IEEE 802.11g mode, WISP can easily broaden its service range and reach more customers with real high speed internet accessibility. Even better, SL-5TW provides up to 27dBm (500mW) under 802.11b mode for WISP to enlarge the coverage, and then have more revenue streams.

Faster Speed & Lower Total Cost

Featuring advanced OFDM technology, 802.11g is a field proven standard effectively provides higher speed wireless connection, around 5 times faster, than 802.11b can do. WISP can have different subscription programs based on the link speed, and charge the subscribers on the criteria.

It's no need to use high-gain antenna just for reaching farer places. The high-gain antenna is always one of the major cost items while doing integration. With lower power WLAN boards, System Integrators always need to acquire higher-gain antenna which means much more outgoing cash flow. Utilizing the SL-5TW can effectively lower down the total cost to a reasonable level.

Rich Features Software

More than just an N-in-1 WLAN product, SL-5TW provides rich features software including most advanced security mechanism, WPA2, very flexible bandwidth management and packet prioritizing that ensure real time multimedia communication can be done in Wireless LAN environment, such as the hottest VoIP.

Specification

WLAN Standard

IEEE 802.11b
IEEE 802.11g

Radio Scheme

802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK)
802.11b: DSSS (CCK, DQPSK, DBPSK)

Frequency Range

2.4 GHz ~ 2.497 GHz

Number of Channels

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

RF Output Power

802.11b: 27dBm (500mW)@ 11Mbps
802.11g: 24dBm (250mW)@ 54Mbps

Data Rate

802.11g: 54 / 48 / 36 / 24 / 12 / 9 / 6 Mbps
802.11b: 11 / 5.5 / 2 / 1 Mbps

Sensitivity

802.11b: -84 +/- 2dBm @ 11Mbps
802.11g: -75 +/- 2dBm @ 54Mbps

Operating Mode

Wireless Access Point
AP Client (Ethernet to WLAN Bridge)
WDS (Wireless Repeater; Point-to-Point, Point-to-Multi-Point Bridge)
Wireless Router
AP Client with Routing function (WISP Mode)
Universal Repeater

Security

Password Protection
MAC Filtering
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: 48V 0.4A



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