



## GL2454-API

### 54Mbps Wireless LAN Access Point with AP and Wireless Bridge functions

#### FEATURES

- Complies with IEEE 802.11g and 802.11b wireless standards
- Full function wireless Access Point with user selectable Ethernet to wireless bridge
- 54Mbps data transfer rate and auto fallback for longer coverage and noisy environment
- Supports 11g data rate at 54, 48, 36, 24, 18, 12, 9, 6 Mbps and 11, 5.5, 2,1 Mbps of 11b
- Maximum interoperability with 11g and 11b or maximum performance selectable
- Ethernet to wireless bridge mode supports infrastructure bridge and ad-hoc bridge
- Use pass phrase to generates 64/128-bit WEP encryption for most convenient
- Automatic select the best transmission rate or fixed rate selectable
- Quick and easy setup with Wireless Navigator utility and web manageable

#### OVERVIEW

The highly efficient 2.4GHz IEEE 802.11g/b Wireless Network Access Point is designed to meet the need of wireless clients who use 2.4GHz 802.11b/g compliant wireless client products such as PC Card. With the Dual-Standard capability, not only seamless but also simultaneous wireless data transmission between AP and all wireless clients using both 802.11b and g, can be sustained.

Network setup can be installed by the simple setup utility Wireless Navigator provides easy to link the web management interface.

Wireless network protection can be ensured by WEP encryption, Wi-Fi Protected Access (WPA) and 802.1x authentication to achieve maximum level of security. The 2.4GHz 802.11g/b Wireless Access Point with unbeatable performance results in both data throughput and range coverage, is an ideal device to be deployed not only in complex network infrastructure such as enterprise corporation, metropolitan area but also in simple SOHO and home environment.

**SPECIFICATIONS**

<b>Wireless LAN Specifications</b>	
Standards	IEEE802.11g, IEEE802.11b Standards
Emission Type	Direct Sequence Spread Spectrum (DSSS)
Modulation Type	BPSK, QPSK, CCK and OFDM (BPSK/QPSK/16-QAM/64-QAM)
Frequency Range	2.4GHz Industrial Scientific Medical (ISM) Band
RF Frequency	2412 ~ 2462 MHz (North America) 2412 ~ 2472 MHz (Europe) 2412 ~ 2484 MHz (Japan)
Radio Channel	1 ~ 11 channels (North America) 1 ~ 13 channels (Europe) 1 ~ 14 channels (Japan)
Data Rate	802.11g: 54 / 48 / 36 / 24 / 18/ 12 / 6 Mbps auto fallback 802.11b: 11 / 5.5 / 2 / 1 Mbps auto fallback 802.11g and 802.11b automatically switch
RF Output Power	18 dBm @ 11M CCK (typical) 14 dBm @ 54M OFDM (typical)
Receiver Sensitivity	802.11g: -68 dBm (54Mbps), -90 dBm (6Mbps) 802.11b: -82 dBm (11Mbps), -90 dBm (1Mbps)
Security	Wired Equivalent Privacy (WEP) 64 / 128 bit Wi-Fi Protected Access (WPA, later release)
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
Compliant	FCC Part 15 Class B (USA) ETSI, CE (Europe) WiFi Compliant
Power Consumption	802.11g: TX 650mA, RX 400mA, Standby 20mA 802.11b: TX 60mA, RX 350mA, Standby 20mA

<b>Software Specifications</b>	
Wireless Basic	Maximum interoperability mode Maximum performance mode Wireless network name (SSID) Radio Channel: 1~13 selectable (14 optional for Japan) Transmission rate: 54/48/36/24/18/12/9/6/11/5.5/2/1/auto Wireless mode: infrastructure/ad-hoc (Bridge mode only)
Wireless Advanced (AP Mode Only)	Preamble type: Long/Short Maximum associated stations setting Fragmentation threshold setting RTS threshold setting Beacon period setting DTIM interval setting Hide SSID in beacons: enable/disable
Administration	Wireless Navigator utility for Windows Web browser manageable user interface IP setting: static IP / DHCP client Access point name (Device name for bridge) Allow firmware upgrade: enable/disable Device mode: switch to bridge / switch to AP User name and password
Security	Access Control: 16 MAC address entries (AP mode only) Wired Equivalent Privacy (WEP): enable/disable WEP key length: 64-bit/128-bit WEP key selection: 4 sets Authentication: open/shared key Pass phrase generator
Help	Help message for each setup page Associated MAC address table status (AP mode) Available access point status (Bridge mode) Access Point information / Link Information Current IP settings / Bridge Information Current wireless settings

Hardware Specifications	
Interface	LAN: One 10/100Base-T/TX RJ-45 ports Wireless LAN: Access Point or wireless bridge One reset button for factory default setting
Antenna Type	Detachable Antenna with Reverse SMA connector 2dBi gain (max.)
LED Indicator	Power, LAN, Wireless LAN, Diagnostic
Power	5VDC, 2A External power adapter
Dimension	105 (L) x 58 (W) x 130 (H) mm
Environment	Operating Temperature: 0° ~ 50 Storage Temperature: -25° ~ 70 Humidity: 10 ~ 90% non-condensing

#### ORDERING INFORMATION

Model	Description
GL2454-API	54Mbps Wireless LAN Access Point

*EUSSO Technologies, Inc. is a dedicated data communication and networking company. With professional experiences in design, production, marketing and service support, we deliver the full range networking products including Gigabit Ethernet, Fiber Optic, Wireless LAN, Switches, Hubs, LAN cards, PCMCIA adapters, Converter, Transceivers. As well as Internet Telephony Gateway, Print Servers, Internet Sharing Servers and many others.*

UDS2454-API v1.1

EUSSO Technologies, Inc.

Tel: +886-2-8221-4616

Email: [sales@eusso.com](mailto:sales@eusso.com)

6F, No.389, Sec.2, Chung Shan Road, Chung Ho City, Taipei 235 Taiwan, R.O.C.

Fax: +886-2-8221-4607

<http://www.eusso.com>