



## GL2422-AP

### 22Mbps Wireless LAN Access Point with Bridge Function with Bridge Function

#### FEATURES

- Compatible with IEEE 802.11b (DSSS) 2.4GHz standards
- Supports 22 Mbps Packet Binary Convolutional Code (PBCC)
- Based on Direct Sequence Spread Spectrum Technology
- Auto fallback data rate 22/11/5.5/2/1Mbps for longer distance
- WEP Encryption function with 64/128/256-bit options
- Auto-sensing 10/100Mbps Ethernet LAN Connection
- Supports Wireless Bridge to Bridge Communication
- Supports AP Client Mode for Special Applications
- Web Browser Management and Configuration
- Supports DHCP Client and Server Operations
- Supports Infrastructure Mode and Roaming Service
- Compatible with All TCP/IP Operating Systems

#### OVERVIEW

The access point allows your wireless LAN easy, seamless and secure connectivity to your existing Wired LAN or to the Internet at 22Mbps!

Using the new 2.4GHz IEEE802.11b Wireless LAN standard and Packet Binary Convolutional Code (PBCC) Technology, the device gives you not only increased speed and mobility between your desktop, the conference room, or the Campus (with automatic 'roaming') - but also the ability to communicate in both PC and Mac environments. Set-up is easy with the Web browser interface.

The design of this product is based on advanced bridge-on-a-chip module, a highly integrated ASIC designed to combine legacy LANs with wireless LANs. The Access Point performs all the necessary inter-networking and bridging functions. It receives data from both networks, stores them locally for further processing, installs and maintains connections and transmits the packets to the proper destination.

In addition to be an Access Point, there are three other operating modes applicable. Point-to-Point Bridge mode can be used to connect two Ethernet LANs with wireless; Point-to-Multipoint Bridge mode connects multiple Ethernet LANs and AP Client mode turn an Ethernet device talks to a wireless LAN Access Point.

**SPECIFICATIONS**

<b>Radio Specifications</b>	
Standard	IEEE802.11b plus 22Mbps PBCC
Emission Type	Direct Sequence Spread Spectrum (DSSS)
Modulation Type	BPSK (1Mbps) / QPSK (2Mbps) / CCK (5.5/11Mbps) / PBCC(5.5/11/22 Mbps)
Frequency Range	2.4GHz ISM Band
Operating Channel	11 Channels (US, Canada) 13 Channels (Europe) 14 Channels (Japan)
Data Rate	22 / 11 / 5.5 / 2 / 1 Mbps with auto fallback
RF Output Power	16-18 bBm minimal
Receiver Sensitivity	-82dBm typically
WEP Encryption	64 / 128 / 256 bit Wired Equivalent Privacy
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
Compliant	FCC Part 15 Class B, Sec. 15.247 and 15.109 (USA) ETSI 300 328, ETSI 300 826, EN60950, CE (Europe)
Typical Operating Range	50m indoors, 200m outdoors for 11Mbps 80m indoors, 300m outdoors for 5.5Mbps 120m indoors, 350m outdoors for 2Mbps 150m indoors, 400m outdoors for 1Mbps (Note: Operating range depends on application environments)
<b>Hardware Specifications</b>	
Management	Web Browser Management Interface
Interface Port	One RJ-45 Port for 10/100M Ethernet LAN
LED Indicators	Power, Wireless Transmit/Receive, Ethernet Link
Antenna Type	2dBi Max. Dual Dipole Antenna with Diversity
Power Consumption	5V 2A Typical
Number of Client	15-20 recommended
Dimension	140 x 90 x 40 mm
Weight	250gw
Power Adapter	5V / 2A external power adapter
Operating System	Independent to Operating System
<b>Environment</b>	
Operating Temperature	0 <sup>o</sup> C to 55 <sup>o</sup> C
Storage Temperature	-20 <sup>o</sup> C to 70 <sup>o</sup> C
Operating Humidity	0% to 70% Non-Condensing
Storage Humidity	0% to 95% Non-Condensing

**ORDERING INFORMATIONS**

<b>Model</b>	<b>Description</b>
GL2422-AP	22Mbps 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.*

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