



GL2422-AP1

22Mbps Wireless LAN Access Point Wireless AP, Client, Bridge, Repeater

FEATURES

- IEEE802.11b plus 22Mbps wireless LAN standards
- 2.4GHz DSSS technology and PBCC for faster data rate
- 4X/22/11/5.5/2/1Mbps auto fallback wireless speed
- Wireless security with 64/128/256-bit WEP encryption
- Supports user authentication 802.1X to RADIUS servers
- Advanced settings for AP/AP Client/Bridge/Repeater modes
- Supports 22 Mbps Packet Binary Convolutional Code (PBCC) and 4X mode for faster throughput
- Auto-sensing 10/100Mbps Ethernet LAN Connection
- 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. Wireless bridge can be used to connect Ethernet LANs with wireless; AP Client mode turn an Ethernet device talks to a wireless LAN Access Point and repeater mode can be used to repeat signals where the original AP is too far away from the clients.

SPECIFICATIONS

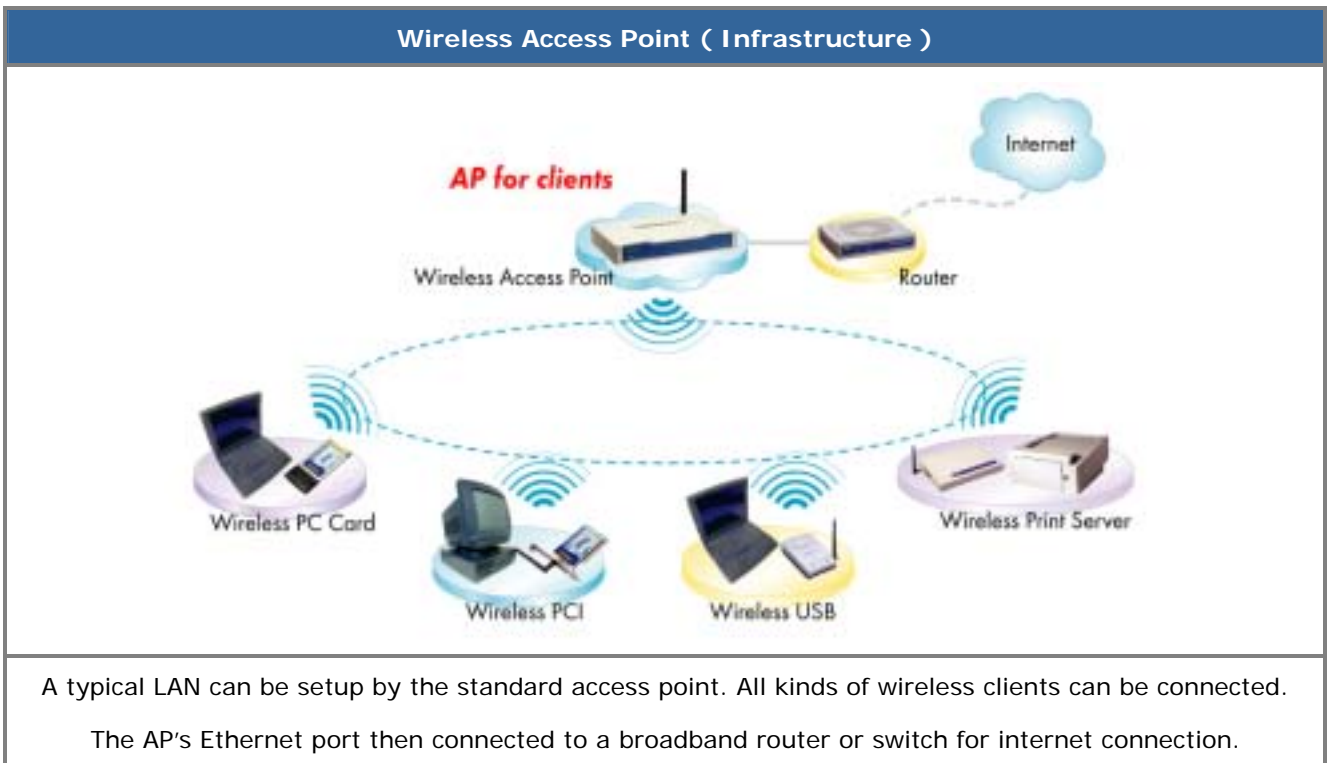
Software Specifications	
Basic Setting	AP Name SSID Radio Channel: 1~13 ETSI Domain, 1~11 FCC Domain WEP Key: Disbale/64/128/256 bits
Advanced Setting	AP mode AP Client Mode: Remote AP BSS ID Wireless Bridge mode: Remote bridge MAC Multiple Bridge mode Repeater mode: Remote AP MAC Beacon interval: 1~1000msec RTS threshold: 256~2432 Fragmentation threshold: 256~2346 Authentication type: open system/shared key/both Preamble: short/long Date rate: 1-2 / 1-2-5.5-11 / 1-2-5.5-11-22 (Mbps) Antenna selection: left/right/diversity antenna SSID broadcast: enable/disable Antenna transmit power: 17/15/12/10 dBm 4X mode: enable/disable
IP Setting	LAN IP: Obtain IP automatically / Fixed IP LAN IP address, subnet mask, gateway DHCP server: On/Off DHCP client IP range: Start/End address DNS Server
Security	Administrator ID, password MAC filter: enable/disable Only deny PCs with MAC listed / Only allow PCs listed MAC address (10 entries) 802.1x: Enable/Disable 802.1x encryption key length: 64/128/256-bit RADIUS server: IP address, Port number, Shared secret
Administration	Configuration backup/restore Reset to factory default setting Firmware upgrade SNMP: Disbale/Enable, trap receiver setting
Setup Wizard	Set your new password Set the SSID and channel Set encryption Restart

Hardware Specifications	
Interface	LAN: One 10/100Mbps RJ-45 port Wireless LAN: One channel 2.4GHz ISM band One reset button for factory default setting
LED Indicator	Power, LAN, Wireless LAN
Antenna Type	Detachable Antenna with Reverse SMA connector
Power	5VDC, 2A External power adapter
Dimension	190 (L) x 117 (W) x 32 (H) mm
Environment	Operating Temperature: 0° ~ 50°C Storage Temperature: -25° ~ 70°C Humidity: 10 ~ 90% non-condensing

Radio Specifications	
Standard	IEEE802.11b plus 22Mbps PBCC Standards
Emission Type	Direct Sequence Spread Spectrum (DSSS)
Modulation	BPSK (1Mbps) / QPSK (2Mbps) / CCK (5.5/11Mbps) / PBCC(5.5/11/22 Mbps)
Frequency Range	2.4GHz Industrial Scientific Medical (ISM) Band
Operating Channel	11 Channels (North America) 13 Channels (Europe) 14 Channels (Japan)
Data Rate	22 / 11 / 5.5 / 2 / 1 Mbps auto fallback and 4X mode
Transmission Power	10/12/15/17 dBm selectable

Receiver Sensitivity	-82 dBm (11Mbps), -90 dBm (1Mbps)
Security	Wired Equivalent Privacy (WEP) 64 / 128 / 256 bit
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
Compliant	FCC Part 15 Class B (USA) ETSI, CE (Europe) WiFi Compliant

APPLICATIONS



ORDERING INFORMATIONS

Model	Description
GL2422-AP1	22Mbps Wireless LAN Access Point with AP Client, Bridge, Repeater functions

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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