



GL2422-RT

22Mbps Wireless Broadband Router Sharing Internet with Wireless AP and Ethernet Switch

FEATURES

- Up to 22Mbps Wireless LAN based on Packet Binary Convolutional Code (PBCC)
- IEEE 802.11b Wireless LAN Access Point with roaming service
- 10/100Mbps WAN port for DSL or Cable Modem Internet connection
- 4-Port 10/100Mbps LAN Switch with Auto MDI-X for plug and play connections
- Supports NAT function for IP Sharing
- Wireless security with 64/128/256-bit hardware supported WEP encryption
- Firewall support for access control, DoS attack prevention and SPI, Hacker detection
- Supports Universal Plug and Play (UPnP)
- Supports DHCP Server and client for easy installation
- NAT/PAT and Virtual Server mapping for LAN users to share one or few IP addresses
- Supports DMZ Host and special AP for Internet multimedia applications
- VPN support for PPTP/IPSec pass-through
- Supports PPPoE protocol
- Web browser configuration for simplified management and firmware upgrade

OVERVIEW

The Wireless Broadband Router GL2422-RT is a high performance Internet broadband router integrated with wireless LAN access point and 4-port 10/100Mbps Fast Ethernet switch. It is fully compatible with the IEEE 802.11b wireless LAN standard and based on the Packet Binary Convolutional Code (PBCC) to provide a wireless data rate up to 22Mbps. With excellent level of security, robustness and roaming features required for your business, it is a key component of wireless network and an important device that connects the wireless and wired stations to the distribution system in a network.

Ideal for home/SOHO users that want to share a broadband connection and the flexibility of a wire-free connection, this 22Mbps wireless AP Broadband router offers freedom to notebooks, desktop PCs and other internet devices. It is an ideal solution for connecting to Cable Modem, DSL for always-on high speed Internet communication.

This broadband router handles all configurations and IP address management requirements. With DHCP server, it automatically configures notebooks and desktop PCs and other electronic devices. With the built-in firewall for secure Internet access, your personal data is protected by powerful hacker pattern inspection and blocking technology, optional 64/128/256-bit Wired Equivalent Privacy (WEP) encryption safeguards the traffic between PCs and other devices on your network.

SPECIFICATIONS

Wireless LAN Specifications	
Standards	IEEE802.11b plus 22Mbps PBCC Wireless LAN standards
Emission Type	Direct Sequence Spread Spectrum (DSSS)
Modulation Type	BPSK (1Mbps) / QPSK (2Mbps) / CCK (5.5/11Mbps) / PBCC (5.5/11/22Mbps)
Operating Frequency	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
Transmitter	RF Output Power: 15-17 dBm Frequency Stability: Within +/-25ppm
Receiver	Receiver sensitivity -80 dBm typically
Encryption	64 / 128 / 256-bit Wired Equivalent Privacy (WEP)
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
Antenna	Antenna Type: Dual Dipole Antenna with Diversity Antenna Gain: 2 dBi max.
RF Power Consumption	TX/RX: under 650mA
Chipset	Radio chipset: RFMD MAC with BBP: TI ACX100
Typical Operating Range	30m indoors, 100m outdoors for 22Mbps 50m indoors, 150m outdoors for 11Mbps 80m indoors, 250m outdoors for 5.5Mbps 120m indoors, 300m outdoors for 2Mbps 150m indoors, 350m outdoors for 1Mbps (Note: Operating range depends on application environments)
Regulation	FCC Part 15 Class B, Sec. 15.247 and 15.109 ETS 300 328, ETS 300 826, EN60950 and CE-Mark Telec (Japan) Wi-Fi Compliant

Access Point Specifications	
Standards	IEEE802.11b, IEEE802.3 10Base-T/100Base-TX standards
General Function	Roaming Function RTS/CTS handshake Duplicate detection and recovery Power Saving Management
Distributed Coordination Function	CSMA/CA, Back of Procedure, ACK Procedure, Retransmission of unacknowledged frames
Beacon Interval	1 – 1000
RTS Threshold	Request-To-Send threshold: 256 - 2432
Fragmentation Threshold	256 – 2432
DTIM Interval	Delivery Traffic Indication Message interval: 1 – 65535
Preamble Type	Short preamble, Long preamble
Authentication Type	Open System, Shared Key

Router Specifications	
Standards & Protocols	IP Protocol: TCP/IP, ICMP, NNTP Management: HTTP, Telnet, TFTP IP Address Management: DHCP, NAT, DNS Routing Protocol: RIP v1, RIP v2 Tunneling: PPPoE Client VPN Support: Pass through L2TP, PPTP, IPSec, IKE Client Filtering: HTTP, FTP, H.323, Telnet, etc.
Auto-Configure Network	Automatically configure your internal network to use DHCP, DNS, NAT and Web Services
DHCP Server and Client	Allows easy setup for both the broadband connection and the local network
Routing Table	Static Routing, Dynamic Routing
NAT / PAT Support	Shares a single or a few IP addresses from the cable or DSL ISP on the local network.
Internet Connection	Supported WAN type: DHCP Client or Fixed IP, PPP over Ethernet Connection Scheme: Connect-on-demand, Auto-disconnect
Access Control	User group MAC address filter TCP/UDP/ICMP Protocol filter IP address range filter 10 sets virtual server Special applications 1 DMZ host
Security Protection	PPP Authentication: PAP, CHAP, MS-CHAP Firewall Feature: Access control, Denial of Service (DoS) attack prevention Administrator and user password protection Hacker Pattern Detection
Real Time Clock	Real time clock and NTP server setting
Management	SNMP MIB I, MIB II Remote management Activity log and traffic statistics
Internet Application	Supports NetMeeting, ICQ, Real Player, QuickTime, DialPad, PC Anywhere and H.323 Applications, etc.
Number of Clients	Wireless LAN: 15-20 recommended Ethernet LAN: Up to 253 users

Hardware Specifications	
Processor	ARM 7 CPU
Memory	1MB flash memory, 8MB DRAM
WAN Port	1 x 10/100Mbps RJ-45, with Auto MDI-X
LAN Port	4 x 10/100Mbps RJ-45, with Auto MDI-X
Input Power	5VDC 2.5A (Typical)
LED Indicators	Power, Diagnostic, Wireless, LAN, WAN Speed, Link/Activity, Full Duplex/Collision
Reset button	One push button
Operating	Temperature: 0° - 50 ; Humidity 0%-70% non-condensing
Storage	Temperature: -20° - 70 ; Humidity 0%-95% non-condensing
Dimension	200 x 150 x 60 mm (WxDxH)

ORDERING INFORMATION

Model	Description
GL2422-RT	22Mbps Wireless Broadband Router

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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