



UGL2454-RTA

54/108Mbps Wireless-G 4-Port Router Linking to internet with Super G Firewall/Router

FEATURES

- Dual standards IEEE 802.11g and 802.11b compliant
- Provides 10/100M WAN port for Internet connection
- Provides 4-port 10/100M LAN switch interfaces
- High performance Super G mode up to 108Mbps data transfer rate for 802.11g Turbo function
- 2.4GHz ISM band, no license required for operation
- Strong network security with WPA, 802.1x and 64/128-bit WEP
- Quick setup wizard and Web based user interface for easy management and configuration
- Automatically assign workstation IP addresses with DHCP server function
- Advanced firewall and NAT router functions supports up to 253 users
- Detachable antenna with R-SMA connector and adjustable antenna transmission power

OVERVIEW

The 54/108Mbps Wireless-G Broadband Router is an ideal home and SOHO networking device to share internet and networking wireless multimedia communications. It is integrated with a built-in infrastructure mode wireless access point and one WAN plus four LAN switches.

A setup wizard is provided as the part of the web configuration utility. You can simply follow the step-by-step process to get your wireless router configuration ready to run in six easy steps by clicking on the "Wizard" button on the function menu.

Super G mode is supported in the advanced feature. If you like to use Super G to enhance the speed, there are three options on Super G mode: Super G without turbo; Super G with Dynamic turbo and Super G with Static turbo. Turbo mode indicates the combination of two channels to enhance the throughput. Super G without turbo indicates that it is on Super G mode without the channel's combination.

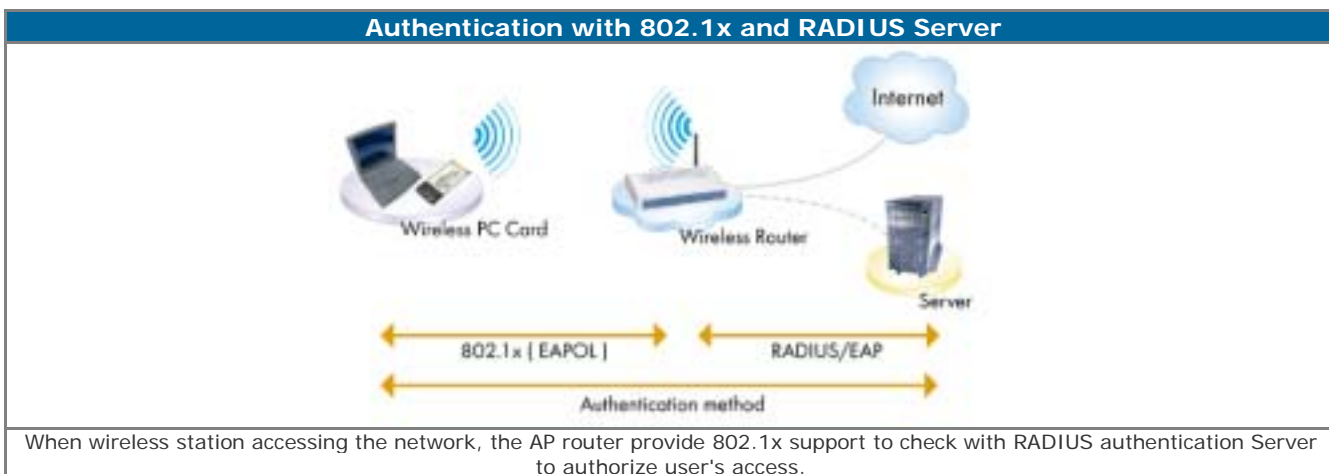
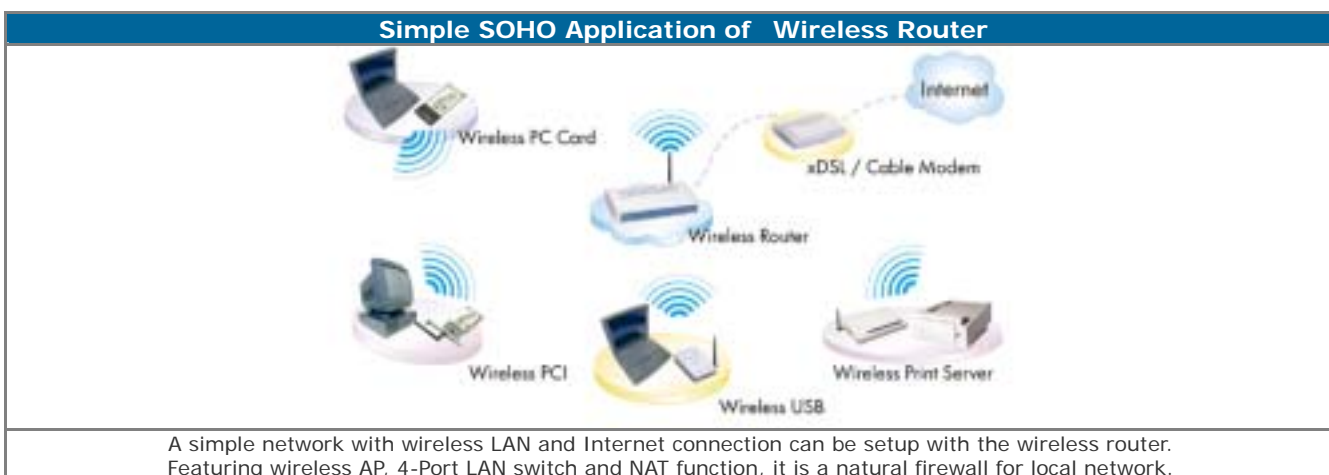
SPECIFICATIONS

Wireless LAN Specifications	
Wireless Standards	IEEE 802.11g, IEEE 802.11b
Data Rate	802.11g: 54 / 48 / 36 / 24 / 18/ 12 / 9 / 6 Mbps auto fallback 802.11b: 11 / 5.5 / 2 / 1 Mbps auto fallback Up to 108Mbps when Super G enabled
Frequency Band	2.4GHz ISM (Industrial Scientific Medical) 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)
Antenna type	0dBm gain with reverse SMA connector
RF Output Power	16 – 18 dbm (typical)
Receiver Sensitivity	54Mbps OFDM, 10% PER, -68dBm 11Mbps CCK, 8% PER, -82dBm 6Mbps OFDM, 10% PER, -88dBm 1Mbps BPSK, 8% PER, -89dBm
Data Security	WPA-WiFi Protected Access (64,128, 152-bit WEP with TKIP, MIC, IV Expansion, Shared Key Authentication)
Modulation Type	Orthogonal Frequency Division Multiplexing (OFDM) Complementary Code Keying (CCK)
Media Access Control	CSMA/CA with ACK
Compliant	FCC Part 15 Class B (USA) ETSI, CE (Europe) WiFi Compliant

Software Specifications	
Standards & Protocol	802.3/u: 10/100 Mbps Fast Ethernet, IP v4, UDP, ICMP, TCP Routing: RIPv1, RIPv2 Secure: PAP, CHAP Network Timing Protocol DHCP DDNS PPPoE UPnP
Security	WEP 64/128 802.1X support Wi-Fi Protected Access (WPA) WPA-PSK SSID Broadcast Disable function
Firewall	MAC Filter IP Filter Protocol Filter Special Application Virtual Server DMZ VPN pass through: IPsec; PPTP
Configuration & Management	Web-Based Configuration TFTP for software upgrade available Status Log SNMP: MIBII v1
Super G support	Dynamic turbo mode; static turbo mode
Regulation and Compliance	US FCC Part 15 class B Europe ETS 300 328, ETS 301 489-1&17, and CE Mark EN 60950, EN 55022 Class B, EN 50082-1 1998
OS Supported	Windows 98SE, Windows ME, Windows 2000, Windows XP

Hardware Specifications	
Interface	1 x 100BaseTX with Automatic MDI/MDIX feature (WAN) 4 x 100BaseTX with Automatic MDI/MDIX feature (LAN) Power Jack: 2.1 mm (inner size) Default Reset Button
Antenna Type	1 X 2.4GHz Dipole Antenna , 1 X 2.4GHz Printed Antenna
Chipset	CPU/BB/MAC: AR2312A-01 RF: AR2112A-00
Memory	Flash: 1MB SDRAM: 8MB
LED	Power/Status: steady green WLAN: green for wireless connectivity / activity WAN Network: green for link; blink for activity 4 LAN Network: green for link; blink for activity
Dimension	L x W x H: 200 x 115 x 37mm
Power	DC 5Volt / 2.5A; AC Adapter 100V~240V
Operating Temperature	0° ~ 45
Storage Temperature	-20° ~ 60
Humidity	0 ~ 90% non-condensing

Application Diagram



ORDERING INFORMATIONS

Model	Description
UGL2454-RTA	54/108Mbps Wireless-G 4-Port 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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