



UGL2454-RTXR

108Mbps Wireless-G 4-Port Router

Linking to Internet with Express Super-G Wireless Network



FEATURES

- Wi-Fi compliant with IEEE 802.11g and 802.11b
- eXtended Range (XR) Technology for better wireless signal coverage
- 1-WAN and 4-LAN 10/100Mbps switching ports
- High performance Super G mode up to 108Mbps data transfer rate for 802.11g Turbo function
- Supports 64/128-bit WEP wireless data encryption
- Supports advance network security of 802.1X/WPA, WPA-PSK, TKIP/AES, WPA2, WPA2-PSK
- 2.4GHz ISM band, no license required for operation
- Automatically assign workstation IP address with DHCP Server function
- Supports Authentication for wireless connectivity based on ESSID
- Provides MAC access control & hidden SSID function
- Supports Firewall, Virtual DMZ, VPN pass through, IPsec, and UPnP to protect your PCs
- Quick setup wizard and Web based user interface for easy management and configuration

Package Contents

- One Wireless-G 4-port Broadband Router
- One Reverse SMA Detachable Antenna
- One cat. 5 network cable
- One Setup Utility / Manual CD-ROM
- One External AC Power Adapter

OVERVIEW

The UGL2454-RTXR is a 54Mbps Wireless 4-port Broadband Router with Atheros Super-G mode to enhance a maximum wireless speed up to 108Mbps data transfer rate. There is also integrated with a built-in infrastructure mode wireless access point and one WAN plus four LAN switches. Therefore, it is an ideal device for home and SOHO networking to a share high speed internet connection, files, printers, and multimedia communications with the flexibility, speed and security you need.

The UGL2454RTXR is both WiFi IEEE802.11g and IEEE802.11b compliant, which can connect and interoperate with other 802.11g/b compatible wireless router, access point, Notebook PC Card, USB and PCI adapters. It also backwards compatible with 802.11b network and device to save your previous wireless network investment.

The UGL2454-RTXR features Wi-Fi Protected Access (WPA) and 64/128-bit WEP Encryption to provide an enhanced level of security for wireless data communications. The UGL2454-RTXR also includes advanced security features such as WPA2 and AES to keep your wireless connection safe from unauthorized access. The router can serve as a DHCP server, has a powerful SPI firewall to protect your PCs against intruders and most known internet attacks, and supports VPN pass-through.

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 few easy steps by clicking on the "Wizard" button on the function menu.

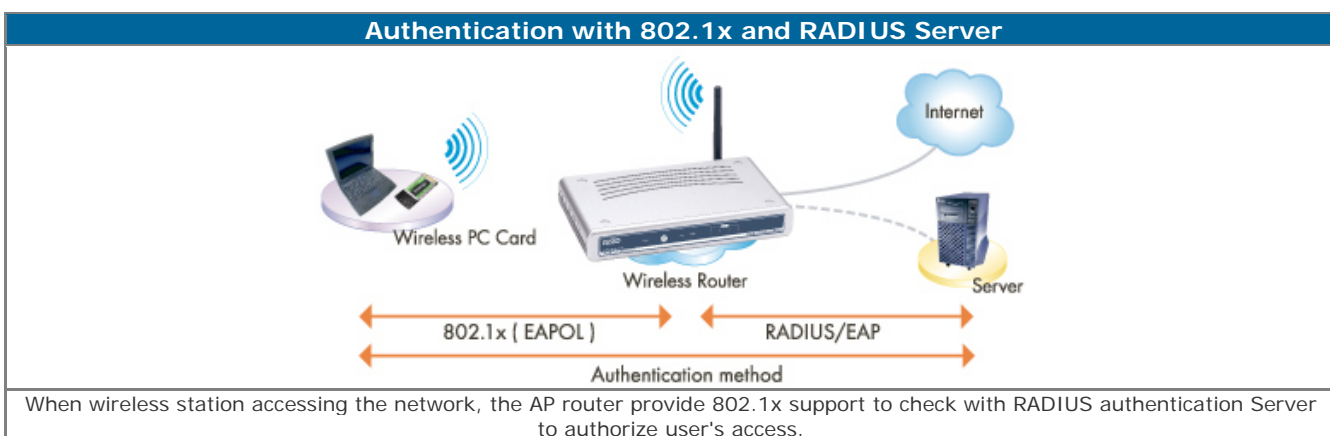
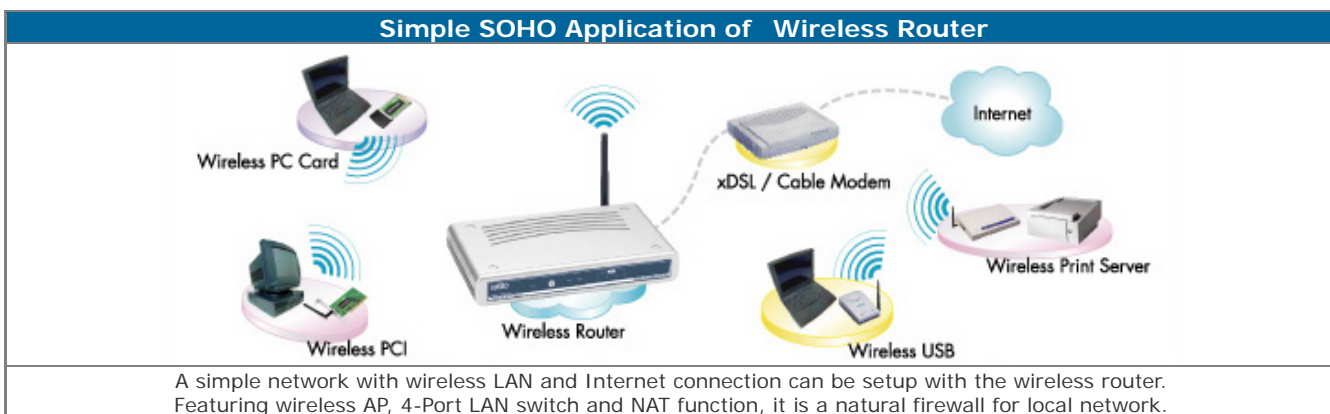
SPECIFICATIONS

Wireless LAN Specifications	
Wireless Standards	IEEE 802.11g, IEEE 802.11b
Data Rate	Atheros Super-G mode up to 108Mbps 802.11g: 54 / 48 / 36 / 24 / 18/ 12 / 9 / 6 Mbps auto fallback 802.11b: 11 / 5.5 / 2 / 1 Mbps auto fallback
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	Reverse SMA connector
RF Output Power	16 – 18 dbm (typical)
Receiver Sensitivity	802.11g: -70dBm (54Mbps) @ 10% Per (Packet Error Rate) 802.11b: -85dBm (11Mbps) @ 105 PER (packet Error Rate)
Data Security	WPA-WiFi Protected Access (64/128-bit WEP with TKIP, MIC, IV Expansion, Shared Key Authentication)
Modulation Type	BPSK, QPSK, CCK and OFDM (BPSK/QPSK/16-QAM/64-QAM)
Media Access Control	CSMA/CA (Collision Avoidance) with ACK
Compliant	FCC Class B (USA) CE Mark (Europe) Wi-Fi 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 Dynamic DNS PPPoE PPTP L2TP UPnP
Security	64/128 WEP (Wired Equivalent Privacy) WPA2, WPA (Wi-Fi Protected Access), 802.1X WPA2-PSK, WPA-PSK SSID Broadcast Disable function SPI/NAT Firewall, DMZ, VPN Pass Through: IPsec, PPTP Special Application Virtual Server Filters: MAC/ IP/ Protocol / URL Blocking /Domain Blocking
Routing Setting	Static routing entry table Dynamic routing: NAT enable/disable, Transmit/Receive RIP 1 and RIP2 Routing table information
Management	SNMP system name, Location, Contact, Community, Trap receiver Web-Based Configuration and remote management: HTTP Port number, IP range Disable/Enable Allow to ping WAN port Universal Plug and Play (UPnP) Gaming mode PPTP, IPsec, IDENT
Access Control	Filter Type: MAC Filter, URL Blocking, IP Filter, Domain Blocking, Protocol Filter Virtual Server: FTP, HTTP, HTTPS, DNS, SMTP, POP3, Telnet, IPsec, PPTP Special AP: Battle.net, Dialpad, ICU ii, MSN Gaming Zone, PC to Phone, Quick Time DMZ Host Firewall rule setting

Hardware Specifications	
Interface	WAN: One 10/100Base-T/TX RJ-45 port LAN : Four 10/100Base-T/TX RJ-45 ports Wireless Access Point Default Reset Button
Antenna Type	2.4GHz Detachable 2dBi Reverse SMA Antenna
Chipset	Wireless: Atheros
Range Coverage	Outdoor 100 ~ 300 meters (without XR), up to 450 meter (with XR) Indoor 35 ~ 100 meters (without XR), up to 150 meter (with XR) Range coverage depends on the environment)
LED	System: Power, Status WAN&LAN: Link/Activity WLAN: Enable/Activity
Installation	Desktop, Wall-Mounting
Dimension	147 (L) x 115 (W) x 35 (H) mm (without antenna)
Weight	225g (Net)
Power	External Power Adapter, 5VDC, 2.5A
Operating Temperature	0° ~ 45°C (32° ~ 113°F)
Storage Temperature	-20° ~ 60°C (-4° ~ 140°F)
Humidity	0 ~ 90% non-condensing

Application Diagram



ORDERING INFORMATIONS

Model	Description
UGL2454-RTXR	108Mbps Wireless 4-Port Broadband Router (with Super-G Mode)

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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