



UGL2454-RTK2

54Mbps Wireless-G 4-Port Broadband Router

Linking to Internet with Express Wireless Turbo Mode



FEATURES

- Wi-Fi compliant with IEEE 802.11g and 802.11b
- 1-WAN and 4-LAN 10/100Mbps switching ports
- Supports turbo mode up to 72Mbps data transfer
- Supports 64/128-bit WEP wireless data encryption
- Supports advanced network security of 802.1X/WPA, WPA-PSK, TKIP/AES
- 2.4GHz ISM band, no license required for operation
- Supports Static IP, PPPoE, PPTP and DHCP Client
- Supports Authentication for wireless connectivity based on ESSID
- Provides MAC access control & hidden SSID function
- Supports SPI Anti-Firewall, Virtual DMZ, DNS relay, UPnP to protect your PCs
- Quick setup wizard and Web based user interface for easy management and configuration
- Supports VPN pass through, ALG for FTP, DDNS (TZO, DynDNS), Netmeeting
- Supports NAT/NAPT IP Sharing

Package Contents

- One Wireless-G 4-port Broadband Router
- One Reverse SMA 2dBi Detachable Antenna
- One Quick Installation Guide
- One Setup Utility CD-ROM
- One External AC Power Adapter

OVERVIEW

The UGL2454-RTK2 is a 54Mbps Wireless-G 4-port Broadband Router with turbo mode to enhance a maximum wireless speed up to 72Mbps 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 share high speed internet connection, files, printers, and multimedia communications with the flexibility, speed and security you need.

The UGL2454RTK2 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-RTK2 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-RTK2 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	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 72Mbps when Turbo Mode 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	reverse SMA connector
RF Output Power	16 – 18 dbm (typical)
Receiver Sensitivity	54Mbps OFDM, 10% PER, -71dBm 11Mbps CCK, 8% PER, -81dBm 1Mbps BPSK, 8% PER, -92dBm
Data Security	64/128-bit WEP WPA (TKIP with IEEE802.1x) WPA2 and AES
Modulation Type	Orthogonal Frequency Division Multiplexing (OFDM) Complementary Code Keying (CCK)
Media Access Control	CSMA/CA 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 DHCP Client DHCP Server Static IP DDNS PPPoE PPTP UPnP
Security	WEP 64/128 802.1X support Wi-Fi Protected Access (WPA) WPA-PSK SSID Broadcast Disable function
Firewall & Special Features	SPI Anti-DoS Firewall Virtual DMZ DNS Relay NAT/NAPT IP Sharing MAC Address Filter IP Filter URL Filtering Port Forwarding IPsec / PPTP / L2TP pass through on PN Connection ALG for FTP, NetMeeting, DDNS (DynDNS, TZO) System Log
Configuration & Management	Web-Based Configuration Firmware upgrade function via Web
Turbo Mode support	Up to 72Mbps data transfer speed
OS Supported	Windows 98SE / ME / 2000 / XP / Vista 2003, Apple Mac OS, Linux, Unix....etc.

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 3dBi Reverse SMA Antenna
Installation	Desktop, Wall-Mounting
Memory	Flash: 2MB, SDRAM: 8MB
LED	System: Power, Status Wireless LAN: Enable / Activity WAN Network: Activity / Link 4-LAN Network: Activity / Link
Dimension	150 (L) x 80 (W) x 30 (H) mm
Power	External Power Adapter, 12VDC, 1A
Operating Temperature	0° ~ 40°C
Weight	185g (with antenna)
Storage Temperature	-10° ~ 70°C
Humidity	0 ~ 90% non-condensing

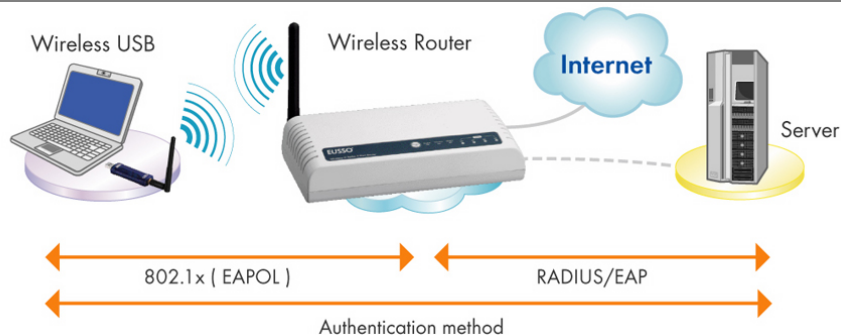
Application Diagram

Simple SOHO Application of Wireless Router



A simple network with wireless LAN and Internet connection can be setup with the wireless router. Featuring wireless AP, 4-Port LAN switch and NAT function, it is a natural firewall for local network.

Authentication with 802.1x and RADIUS Server



When wireless station accessing the network, the AP router provide 802.1x support to check with RADIUS authentication Server to authorize user's access.

ORDERING INFORMATIONS

Model	Description
UGL2454-RTK2	54Mbps Wireless-G 4-Port Broadband Router (with Turbo 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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