



UGL2454-RTMC(v2)

Wireless-G 4-Port ADSL2+ Modem Router

High Speed Wireless Always on Connection to the Internet



FEATURES

- 1 x RJ-11 ADSL and 4 x RJ-45 10/100M Switch Ports
- Wi-Fi compliant with IEEE 802.11g and 802.11b
- Built-in ADSL2/2+ modem to support most common ADSL connection with speed of downstream rate up to 24Mbps and upstream rate up to 1Mbps
- Compliant with ADSL, ADSL2, ADSL2+, on G.dmt, G.lite and T1.413 multi-mode PSTN environment
- Supports 64/128-bit WEP wireless data encryption
- Supports WPA, WPA-PSK (TKIP with IEEE 802.1x), WPA2, WPA2-PSK to enhance wireless security
- User-friendly Web-based GUI interface for remote management and easy configuration
- Supports NAT, NAT, DNS Proxy, Dynamic DNS, and DHCP server / Relay / Client
- ALGs support internet applications: FTP, ICQ, Email, Net Meeting, MSN Messenger, CUSeeMe and more
- Supports VPN Pass-Through for PPTP, IPSec, L2PT
- Supports UPnP (Universal Plug and Play)

Package Contents

- One 4-port Wireless-G ADSL2+ Modem Router
- One RJ-11 Phone cable & One RJ-45 Network Cables
- One Quick Installation Guide (QIG)
- One Setup Utility CD-ROM
- One External AC Power Adapter

OVERVIEW

The UGL2454-RTMC(v2) is an all-in-one solution for internet connectivity, which integrated with 54Mbps Wireless, Router, Modem and 4-port 10/100M switches in one device.

Modem with ADSL 2+ technology for internet connection to achieve speed up to 24Mbps is much faster than traditional dial-up solution. A built-in modem function makes more flexibility broadband internet connection is always connected, it means you never have to wait again for dial-up service connection.

UGL2454-RTMC(v2) is both WiFi IEEE802.11g and 802.11b compliant, which can connect and interoperate with other 802.11g/b compatible wireless router, AP, PC Card, PCI adapters or other wireless devices. This device features Wi-Fi Protected Access (WPA) and 64/128-bit WEP encryption to provide an enhanced level of security for wireless data communication. It also includes advanced security features such WPA2 and AES to keep your wireless connection safe from unauthorized access.

UGL2454-RTMC(v2) supports UPnP discovery and UPnP NAT traversal. Using the standard TCP/IP protocol, UGL2454-RTMC(v2) can dynamically join a network, obtain an IP address, convey its capabilities and learn about other device on the network. It also supports Static IP, Dynamic IP, as well as PPPoE connections terminating on the local PCs.

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 modem router configuration ready to run in few easy steps by clicking on the "Wizard" button on the function menu.

SPECIFICATIONS

Product Specifications	
Standards	<p>IEEE802.3 10Base-T Ethernet IEEE802.3u 100Base-TX Fast Ethernet IEEE802.3x Full-duplex operation and flow control IEEE802.11n 300Mbps Wireless LAN, 2.4GHz (draft) IEEE802.11g 54Mbps Wireless LAN, 2.4GHz IEEE802.11b 11Mbps Wireless LAN, 2.4GHz</p>
ATM & PPP Protocol	<p>ATM Forum UNI 3.1/4.0 PVC Supports up to 8PVCs Traffic Shaping (ATM QoS) UBR, CBR, VBR Multi-Protocol over AAL5 (RFC1483 / 2684) PPP over Ethernet (RFC2516) PPP over ATM (RFC2364) VC and LLC multiplexing OAM F4 and F5 segment end-to-end loopback, AIS, and RDI OAM cells VPI is 0~255 and VCI is 32~65535</p>
Bridging & Routing	<p>Ethernet to ADSL self-learning Transparent Bridging (IEEE802.1D) IP routing-RIPv2 (backward compatible with RIPv1) Static IP routing Routing: TCP/IP/UDP/ARP/ICMP (Internet Control Message Protocol) IP Multicast IGMP v1/v2</p>
IP Management	<p>NAT (Network Address Translation): up to 1024 NAT translation sessions NAPT (Network Address and Port Translation) Virtual Server (IP forwarding) and DMZ host DHCP Server / Relay / Client (WAN Port) VPN (IPSec, PPTP, L2TP) Pass-Through DNS Proxy Dynamic DNS UPnP support</p>
Wireless Security	<p>64/128-bit WEP WPA, WPA-PSK (TKIP) WPA2, WPA2-PSK</p>
ADSL Router Security	<p>PPP over PAP (Password Authentication Protocol; RFC1334) PPP over CHAP (Challenge Authentication Protocol; RFC1994) Password Protected System Management Embedded NAT Firewall and IP-based Packet Filtering</p>
Web-Base Management	<p>Web-based GUI Configuration / Management CLI (Command Line Interface) via serial interface or Telnet over Ethernet Telnet Remote Management Firmware upgrade via FTP / TFTP SNMP Support (V.1 and V.2C) Built-in Diagnostic tool for ADSL and IP Ping TR-069, CPE WAN Management Protocol</p>
Applications	<p>High-Speed Internet Access Video-On-Demand Telecommuting Distance Learning E-Commerce On-line Gaming Video Conferencing</p>

SPECIFICATIONS

Hardware Specifications	
Interface	<p>Wireless Access Point 1 x 10/100Mbps WAN Port 4 x 10/100Mbps LAN Switch Ports 1 x WPS Push Button 1 x Reset Button for Restoration of Factory Default Setting</p>

Data Rate	802.11n: up to 300Mbps (draft) 802.11g: 54 / 48 / 36 / 24 / 18 / 12 / 9 / 6 Mbps Auto Fallback 802.11b: 11/ 5.5 /2/ 1 Mbps Auto Fallback LAN: 10/100Mbps Auto Switch WAN: 10/100Mbps Auto Switch
Frequency Band	2.4GHz ISM (Industrial Scientific Medical) Band
Modulation	802.11n: BPSK, QPSK, 16QAM, 64QAM with OFDM 802.11g: BPSK, QPSK, 16QAM, 64QAM, OFDM 802.11b: DQPSK, DBPSK, DSSS, and CCK
Radio Channel	1 ~ 14 channels (Universal Domain Selection)
Media Access Protocol	CSMA/CA with ACK
Operating Range	Indoor: up to 100 meters (328 feet) Outdoor: up to 400 meters (1312 feet)
Emission Type	Direct Sequence Spread Spectrum (DSSS)
Antenna Type	One 2dBi Dipole Detachable Antennas with Reverse SMA Connectors
Output Power	Under 100mw
Working Frequency	2.4GHz
RF Output	16 – 18dBm (Typical)
Installation	Desktop or Wall-Mount
Dimension	200 (L) x 120 (W) x 34 (H) mm
Weight	320g (Net)
Power	5V DC, 3A or 2.5A External Power Adapter
Operating Temperature	0° ~ 40°C (32 ~ 104°F)
Humidity	10% ~ 90% (non-condensing)
Compliant	FCC, CE, RoHS

Application Diagram

High Performance Wireless ADSL 2+ Modem Router Application Diagram



A simple wireless network with Internet connection can be easily setup with the broadband 4-port modem router. Featuring 4-port LAN switches and NAT router function, it is a nature firewall for local network.

ORDERING INFORMATIONS

Model	Description
UGL2454-RTMC(v2)	4-port 54Mbps Wireless ASDL2+ Modem Router (Annex A)

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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