

## UGL2430-RT

### Wireless-N 4-Port Broadband Router

Delivers Faster Speed and Farther Range for Wireless Connection



#### FEATURES

- IEEE 802.11n (draft) up to 300Mbps Wi-Fi compliant
- Fully backward compatible with IEEE802.11g / b
- 1 x 10/100Mbps WAN + 4 x 10/100Mbps LAN ports
- MIMO technology increase up to 4x farther coverage
- Delivers 12x faster speed than IEEE802.11b/g
- Seamless roaming among 802.11n/g/b networks
- Operation at 2.4 ~ 2.5GHz frequency ISM band
- Supports 64/128-bit WEP wireless data encryption
- Supports wireless security of WPA, WPA2, 802.1x
- Supports advance WMM (Wi-Fi MultiMedia) function
- Provides Wi-Fi Protected Setup (WPS) push button
- Supports most popular operating systems including Windows 2000/ XP/ XP x64/ Vista
- Convenience site survey function and profiles
- User-friendly Web-based GUI interface for remote management and easy configuration
- Built-in DHCP server to automatic assign IP address
- Supports VPN Pass-Through for PPTP, IPSec, L2PT
- Supports UPnP ( Universal Plug and Play )

#### Package Contents

- One Wireless-N 4-port Broadband Router
- One Setup Utility / Manual CD-ROM
- Three External Detachable Antennas
- One Cat. 5 Cable and One Power Adapter

#### OVERVIEW

Up to 300Mbps with 12 times faster speed, UGL2430-RT is an advanced IEEE 802.11n (draft) compatible, high performance, wireless-N 4-port Router that is fully backward compatible with IEEE802.11g/b standards to save your previous wireless network investment. 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 office networking to a share high speed internet connection with the flexibility, speed and security you need.

In order to solve weakness of wireless signal problem, enhanced MIMO technology enables you to very easily extend the range of your wireless coverage up to 4 times farther than regular IEEE802.11b/g standard. The MIMO technology multiplies the effective data rate and use reflections to increase the range and reduce "dead spots" in the wireless coverage area.

The UGL2430-RT features Wi-Fi Protected Access (WPA) and 64/128-bit WEP Encryption to provide an enhanced level of security for wireless data communications. It also includes advanced security features such as WPA2 and AES to keep your wireless connection safe from unauthorized access. The router can serves 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. The 2.4GHz 802.11n/g/b Wireless-N router is a truly solid-design networking device that can let your network to share a high speed cable/DSL internet connection with the ultimate freedom of wireless networking anywhere.

**SPECIFICATIONS**

<b>Product Specifications</b>	
<b>Standards</b>	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
<b>Data Rate</b>	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
<b>Frequency Band</b>	2.4GHz ISM (Industrial Scientific Medical) Band
<b>Modulation</b>	802.11n: BPSK, QPSK, 16QAM, 64QAM with OFDM 802.11g: BPSK, QPSK, 16QAM, 64QAM, OFDM 802.11b: DQPSK, DBPSK, DSSS, and CCK
<b>WAN IP Address Assignment</b>	DHCP Client Static IP PPPoE PPTP L2TP Bridge Connection UPnP Dynamic DNS BigPond Cable Clone MAC Address
<b>Security</b>	64/128-bit Wired Equivalent Privacy (WEP) WPA2, WPA (Wi-Fi Protected Access), 802.1x, WMM SSID Broadcast Disable Function SPI/NAT Firewall, DMZ, VPN Pass Through: IPsec; PPTP Custom Protocol Filters Custom ICMP Filter Filters: MAC/IP/Protocol/URL Blocking/ Domain Blacking Stateful Packet Inspection (SPI) / Denial of Service (DOS)
<b>NAT / NAPT</b>	Network Address Translation (NAT) Network Address Port Translation (NAPT) Port Forwarding Port Triggering / Special Application Support DMZ Hosting Support
<b>Network</b>	IP Multicast: IGMP v2 / IGMP Snooping DDNS Client H.323 / SIP NAT Traversal Support ALG ( Application Layer Gateway )
<b>System Management</b>	Install Wizard Web UI Interface Network Time Protocol Remote Management
<b>User and Device Administration</b>	Software Upgrade, Configuration, Backup/Restore from Web UI Trust Host for Remote Management Schedule
<b>Logging and Monitoring</b>	E-mail Notification System Statistics Event Log

**SPECIFICATIONS**

Hardware Specifications	
Interface	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
Chipset	Ralink Draft 11n on Board RT2860T + RT2820L
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	Three 2dBi Dipole Detachable Antennas with Reverse SMA Connectors
RF Output	16 – 18dBm (Typical)
Memory	Flash: 4MB; RMA: 16MB
Support OS	Windows 98SE / Me / 2000 / XP / vista / 2003, Mac OS, Linux
LED Indicator	Power, WAN, 4-LAN, WLAN, WPS
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, Wi-Fi Compliant, RoHS

**APPLICATION DIAGRAM****Wireless-N SOHO Router Application Diagram**

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.

**ORDERING INFORMATIONS**

Model	Description
UGL2430-RT	300Mbps Wireless-N 4-Port 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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