



## UGL2430-RTA (2T2R)

### Wireless-N 4-Port Broadband Router

Delivers Faster Speed and Farther Range for Wireless Connection



#### FEATURES

- IEEE 802.11n up to 300Mbps Wi-Fi compliant
- Fully backward compatible with IEEE802.11g / b
- 1 x 10/100Mbps WAN + 4 x 10/100Mbps LAN ports
- Supports IEEE802.e Quality of Service (QoS)
- Supports WDS, AP and AP Client operation modes
- MIMO technology increase up to 4x farther coverage
- Delivers 12x faster speed than IEEE802.11b/g
- Seamless roaming among 802.11n/g/b networks
- 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 / 2003 / Win 7
- 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 UPnP ( Universal Plug and Play )

#### Package Contents

- One Wireless-N 4-port Broadband Router
- One Setup Utility / Manual CD-ROM
- Quick Installation Guide (QIG)
- Two External Detachable Antennas
- One Cat. 5 Cable and One Power Adapter

#### OVERVIEW

Up to 300Mbps with 12 times faster speed, UGL2430-RTA is an advanced IEEE 802.11n 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-RTA 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 new WPS technology will be very easy to set the wireless security just push the button only, all the wireless encryption will auto finish. 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. This router can let your network to share a high speed cable/DSL internet connection with the ultimate freedom of wireless networking anywhere.

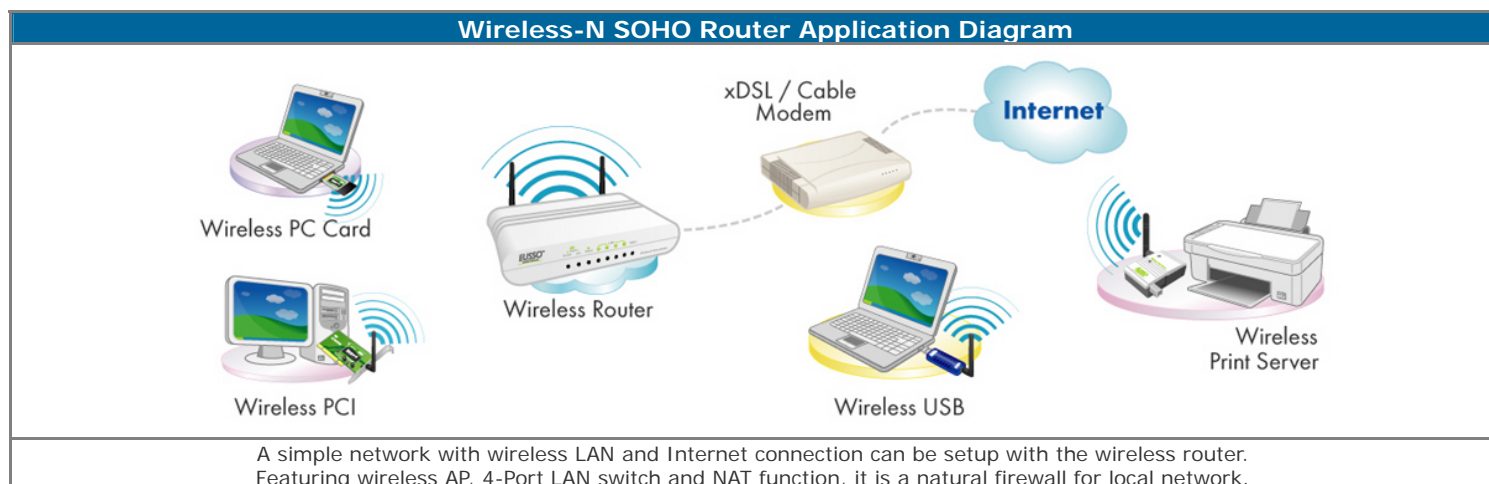
**SPECIFICATIONS**

<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 IEEE802.11g 54Mbps Wireless LAN, 2.4GHz IEEE802.11b 11Mbps Wireless LAN, 2.4GHz
<b>Data Rate</b>	802.11n: up to 300Mbps 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 Server and Client Static IP TCP/IP UDP ICMP ARP RARP PPPoE NAT
<b>Security</b>	WPA2 (AES with IEEE802.1x), WPA2-PSK WPA (TKIP with IEEE802.1x), WPA-PSK WPS (Wi-Fi Protected Setup) 64/128-bit Wired Equivalent Privacy (WEP) Wi-Fi Alliance WMM (Wi-Fi Multimedia Enhancement) IEEE802.1e Quality of Service (QoS) Hardware-Based Priority Queues SSID Broadcast Disable Function Password protected configuration access User authentication (PAP/CHAP) with PPP Supports packet inspection and filtering Intrusion detection and protection Password protected system management SPI/NAT Firewall, DMZ, VPN Pass Through: PPTP
<b>Router Mode</b>	PPP over Ethernet (RFC-2516) DHCP Server and Client NAT (Network Address Translation) NAT (Network Address Port Translation) ICMP (Internet Control Message Protocol) IGMP (Internet Group Management Protocol) DDNS (Dynamic Domain Name Service)
<b>System Management</b>	Install Wizard Web UI Interface Firmware upgrade via HTTP WAN and LAN side connection statistics Configuration of static routes and routing table Configuration of NAT/NAPT Selection of Bridge or Router mode PPP user ID and password System log Password protected access

## SPECIFICATIONS

Hardware Specifications	
Interface	1 x 10/100Mbps WAN Port 4 x 10/100Mbps LAN Switch Ports 1 x WPS Push Button for easy wireless security setting 2 x Reverse SMA Connectors 1 x Reset Button for Restoration of Factory Default Setting
Chipset	Ralink RT3052 (2T2R)
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	Two 2dBi Dipole Detachable Antennas with Reverse SMA Connectors
RF Output	16 – 18dBm (Typical)
Support OS	Windows 98SE / Me / 2000 / XP / vista / 2003 / Win 7, Mac OS, Linux
LED Indicator	Power, WAN, 4-LAN, WLAN (Secure/Act)
Installation	Desktop or Wall-Mount
Dimension	275 ( L ) x 138 ( W ) x 68 ( H ) mm
Weight	240g (Net)
Power	9V DC, 1A External Power Adapter
Operating Temperature	0° ~ 50°C ( 32 ~ 122°F )
Humidity	10% ~ 90% (non-condensing)
Compliant	FCC, CE, Wi-Fi Compliant, RoHS

## APPLICATION DIAGRAM



## ORDERING INFORMATIONS

Model	Description
UGL2430-RTA	300Mbps Wireless-N 4-Port Broadband Router (2T2R)

*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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