

# ESR600H

THE LEADER IN LONG RANGE WIRELESS HOME NETWORKING

5GHz (•••) 2.4GHz

a b g n

## Long-Range Dual-Band Wireless-N Router with Gigabit and USB

The ESR600H is a long-range dual-band Wireless-N router with a built-in 4-port Gigabit Switch and USB port for sharing a hard drive or printer on a home or office network. This new home entertainment-class wireless router provides up to 300Mbps wireless speed in both the 2.4GHz and 5GHz bands and is specifically designed to handle the demanding needs of a very entertainment-active home or media-active small office. Placed on or near your home entertainment center, the ESR600H is designed to connect to other Ethernet-capable components like DVRs, Blu-ray® players, gaming consoles, set top boxes, and HDTVs to any of its available Gigabit Ethernet ports while at the same time providing Internet connectivity and media sharing to everyone in the family or for employees or work groups in an office.

The ESR600H has been engineered with intelligent QoS (Quality of Service) to prioritize bandwidth-demanding applications like video streaming, gaming and large file transfers as well as bandwidth-sensitive applications like VoIP phone calls and video conferencing. The 5GHz band also enables users to offload bandwidth-hungry applications to it while at the same time avoiding 2.4GHz wireless interference from other nearby routers or devices.



### Key Differentiators

#### SIMULTANEOUS DUAL-BAND (2.4GHZ AND 5GHZ)

Features expanded bandwidth beyond single-band 2.4GHz routers with the additional 5GHz frequency band. 300 + 300Mbps. Utilizes both wireless bands simultaneously to connect to other 802.11n devices such as computers, Blu-ray® players, gaming consoles, set top boxes, and HDTVs while at the same time providing Internet connectivity and media sharing in homes and offices.

#### BUILT-IN 4-PORT GIGABIT SWITCH

One Gigabit Ethernet (10/100/1000Mbps) WAN port for connectivity to a Cable or DSL modem and four Gigabit Ethernet (10/100/1000Mbps) LAN ports for delivering optimal throughput speed and ample bandwidth for other Ethernet-capable devices such as game consoles, HDTVs, VoIP phones, Blu-ray® players, set top boxes, or DVRs.

#### ADVANCED HIGH OUTPUT POWER

Up to 100mW of output power to extend the wireless signal range and provide greater overall coverage in and around a home for optimal computer and device connectivity.

#### USB PORT

To connect a USB hard drive or USB printer to wirelessly share on the network.

#### SECURITY

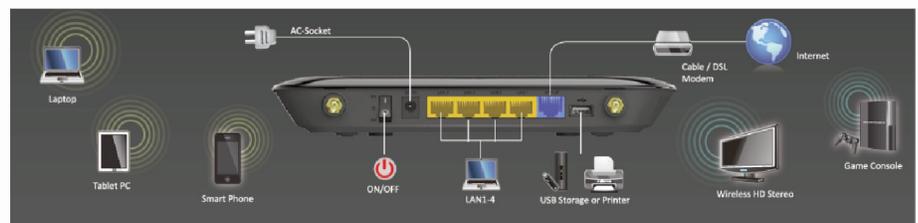
- Advanced SPI firewall, Denial of Service (DoS) attack blocking, MAC address filtering, URL filtering
- Wi-Fi Protected Access® (WPA/WPA2—PSK) encryption to prevent unauthorized access to the wireless network
- WPS (Wi-Fi Protected Setup) button for quick secure setup

#### GUEST INTERNET OR NETWORK ACCESS

Supports up to four SSIDs enabling users to offer Internet access or access to printers and other shared resources to visitors while protecting private or personal information that may reside on home or office computers and hard drives.

#### DETACHABLE HIGH-GAIN ANTENNAS

5dBi high gain external antennas and 3.5dBi internal antennas provide the greater coverage to minimize weak and dead spots in a home or office.



Maximum data rates are based on IEEE 802.11 standards. Actual throughput and range can vary depending on many factors including network conditions, environmental factors, distance between devices, radio interference in the operating environment, and mix of devices in the network

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## Technical Specifications Specifications may change without notice.

### HARDWARE SPECIFICATIONS

<b>Physical Interface</b>	Antenna Connector Power Switch Power Jack 4 Gigabit LAN Ports 1 Gigabit WAN Port USB Sharing Port	
<b>LED's Status</b>	 WPS (Press 1-to 5 seconds to activate the router's Wi-Fi Protected Setup (WPS) feature. (Press 6-to-10 seconds to reboot the router) (Press up to 20 seconds to reset the router to factory default)  Power Status	
<b>WAN</b>	 2.4GHz Wireless Connection  5GHz Wireless connection	
<b>WLAN</b>	 Wireless Connection	

### RF SPECIFICATIONS

<b>Frequency Band</b>	2.400~2.484 GHz (11b/11g/11n) and 5GHz (11a/11n)
<b>Modulation Technology</b>	OFDM: BPSK, QPSK, 16-QAM, 64-QAM BPSK, DQPSK, CCK
<b>Operation Channels</b>	11 for North America, 13 for Europe, 14 for Japan
<b>Receive Sensitivity (Optimal)</b>	-90 dBm
<b>Available Transmit Power (Optimal)</b>	20dBm
<b>Antenna</b>	detachable external 5 dBi and 2 internal 3.5dBi antennas

### SOFTWARE FEATURES

<b>Router and Gateway</b>	
<b>Operation Mode</b>	AP / Router / WDS
<b>LAN</b>	DHCP Server Static Routing Table UPNP
<b>WAN</b>	Static IP • Dynamic IP • PPPoE • PPTP • L2TP
<b>Router</b>	NAT / NAPT Static Routing-RIPv2 Dynamic Routing Virtual Server Mapping IP address Mapping Port Forwarding Port Triggering MAC Address Filtering ALG (Application Layer Gateway) Support

<b>Firewall</b>	Block ICMP SPI (Static Packet Inspection) DoS Attack Blocking Rule Based (IP Address Ranges, Port Ranges & Schedule) DMZ (Demilitarized Zone) Host Support
<b>VPN</b>	L2TP & PPTP VPN tunneling VPN pass-through (PPTP, L2TP, IPSEC)
<b>Wireless Security</b>	WPA WPA2 802.1x Authenticator Hide SSID in beacons WPS Auto Channel Selection
<b>QoS</b>	WMM

### Management

<b>Configuration</b>	Web-based configuration (HTTP)
<b>Firmware Upgrade</b>	Upgrade firmware via web-browser
<b>Administrator Setting</b>	Administrator password change • Idle time out
<b>Reset Setting</b>	Reboot • Reset to Factory Default
<b>System monitoring</b>	Status and Statistics • Time Zone & NTP Clients. • Event Log • Email Alarm

### ENVIRONMENT & PHYSICAL

<b>Temperature Range</b>	Operating: 0°C to 45°C (32°F to 113°F) Storage: -10°C to 70°C (14°F to 158°F)
<b>Humidity (non-condensing)</b>	15% – 95% typical
<b>Dimensions</b>	12 1/8" (30cm) x 9 1/8" (23cm) x 3" (7.6cm)
<b>Weight</b>	1.5 lbs (0.7 kg)
<b>Warranty</b>	1 year

### Customer Support

Monday-Friday  
08:00-17:00 (PST)  
Toll Free: 888.735.7888  
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