5GHz ((•)) 2.4GHz

a b g n

Long-Range Dual-Band Wireless-N Router with Gigabit, USB and shAir™

The EnGenius ESR750H is a long-range dual-band Wireless-N router with a built-in 4-port Gigabit switch and a USB port for sharing a hard drive, printer or USB speaker. This new home entertainment-class wireless router provides up to 300Mbps wireless speed in the 2.4GHz band and up to 450Mbps wireless speed in the 5GHz band and is specifically designed to handle the demanding needs of a very entertainment-active home. This powerful router is quite at home on or near your home entertainment center and 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.

The ESR750H 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 optimized speed in 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 + 450Mbps 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 or with shAir Music, to enjoy music from an iPhone, iPod®, iPad®, or other Apple device.
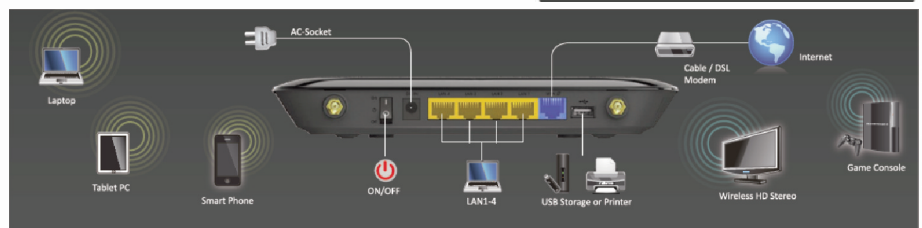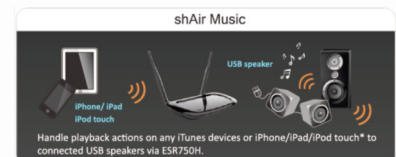
SECURITY

- 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.

shAir Music

Handle playback actions on any iTunes devices or iPhone/iPad/iPod touch® to connected USB speakers via ESR750H.

EnGenius®

www.engeniustech.com

Technical Specifications
Specifications may change without notice.

HARDWARE SPECIFICATIONS

Physical Interface	Antenna Connector Power Switch Power Jack 4 Gigabit LAN Ports 1 Gigabit WAN Port USB Sharing Port
LED's Status	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
WAN	2.4GHz Wireless Connection 5GHz Wireless connection
WLAN	Wireless Connection

RF SPECIFICATIONS

Frequency Band	2.400~2.484 GHz (11b/11g/11n) and 5GHz (11a/11n)
Modulation Technology	OFDM: BPSK, QPSK, 16-QAM, 64-QAM BPSK, DQPSK, CCK
Operation Channels	11 for North America, 13 for Europe, 14 for Japan
Receive Sensitivity (Optimal)	-90 dBm
Available Transmit Power (Optimal)	20dBm
Antenna	detachable external 5 dBi and 3 internal 3.5dBi antennas

SOFTWARE FEATURES

Router and Gateway

Operation Mode	AP / Router / WDS
LAN	DHCP Server Static Routing Table UPNP
WAN	Static IP • Dynamic IP • PPPoE • PPTP • L2TP
Router	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

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

Management

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

ENVIRONMENT & PHYSICAL

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

Customer Support

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