

ESR300H

THE LEADER IN LONG RANGE WIRELESS HOME NETWORKING

X^{TRA}range High Power 300Mbps Wireless N Router



EnGenius XtraRange High Power 300Mbps Wireless N Router applies advanced high power technology, supporting up to 200mW to break through the traditional 11n wireless range and coverage. It extends longer wireless range and greater coverage to maximize the enjoyment of bandwidth-intensive home entertainment applications inside and outside the home.

By applying the latest 802.11n technology, the ESR300H provides users with high speed (up to 300Mbps) to stream HD multimedia, play games online, download large files and more. ESR300H lets you enjoy the seamless high speed wireless connection.

The ESR300H also supports all the standard WEP / WPA / WPA2 security features contained in routers today. Parental control, multiple guest SSIDs, advanced SPI firewall, Denial of Service (DoS) attack blocking, MAC and URL filtering, etc. further secure your network connections.

Features

- 200mW high output power doubles wireless range with better coverage
- Wireless N 802.11n technology
- WEP / WPA / WPA2 to seamlessly secure the wireless network
- QoS (WMM) to optimize performance for multimedia applications
- Detachable and upgradeable antennas

Key Differentiators

ADVANCED HIGH OUTPUT POWER TECHNOLOGY

Up to 200 mW of output power extends a longer wireless range and provides greater coverage, making the indoor and outdoor high speed and reliable wireless network possible

HIGH PERFORMANCE 802.11N TECHNOLOGY

Up to 300Mbps high speed to facilitate flawless media streaming, online gaming, VoIP, large file transferring and outdoor reading without glitches

INTELLIGENT QUALITY OF SERVICE (QOS)

Supports QoS to optimize multimedia streaming for gaming consoles, HD TV, and other home entertainment applications

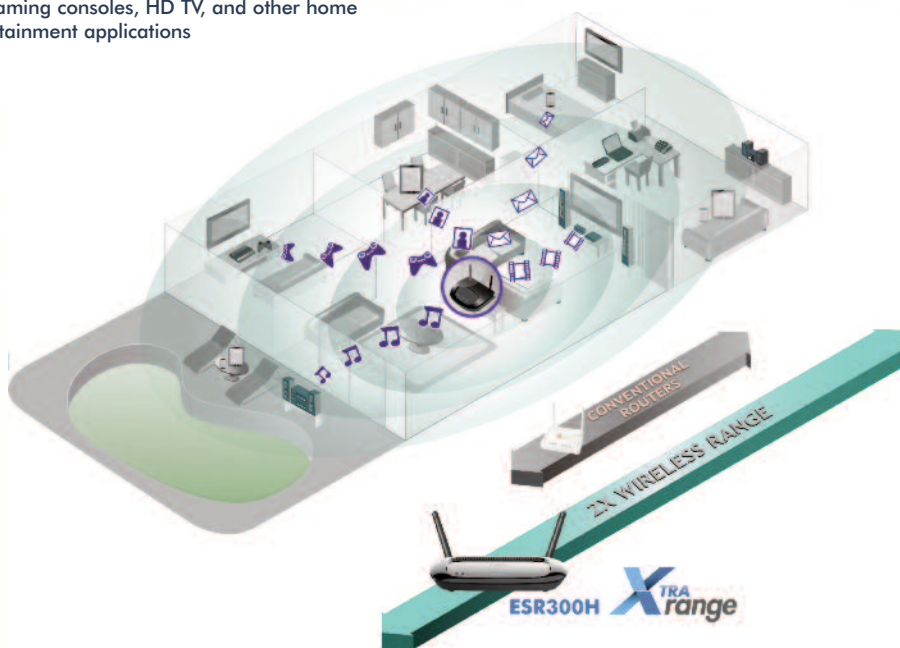
ADVANCED SPI FIREWALL

Provides advanced SPI firewall, Denial of Service (DoS) attack blocking, MAC filtering and URL filtering to secure high-speed network connections

L2TP AND PPTP VPN

Supports L2TP and PPTP VPN tunnels to seamlessly secure your network, while enjoying high-speed surfing and sensitive data transmission from remote locations

REMOVEABLE AND UPGRADEABLE ANTENNA



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

Physical Interface	Antenna Connector Power Jack LAN: 10/100 Ethernet RJ45 WAN: 10/100 Ethernet RJ45 Power Switch	
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	 Internet Connection	
LAN	LAN1 – LAN4	
WLAN	 Wireless Connection	

RF SPECIFICATIONS

Frequency Band	2.400 – 2.484 GHz
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)	23dBm
Antenna *2	detachable 2 dBi

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
Parental Control	Time Based Internet Access Control URL / Keyword Filtering
VPN	L2TP & PPTP VPN tunneling VPN pass-through (PPTP, L2TP, IPSEC)
Wireless	WEP 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)
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