

# ESR150H

THE LEADER IN LONG RANGE WIRELESS HOME NETWORKING

## X<sup>TRA</sup> range High Power 150Mbps Wireless N Router



EnGenius XtraRange High Power 150Mbps 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 ESR150H provides users with high speed (up to 150Mbps) to stream HD multimedia, play games online, download large files and more. ESR150H lets you enjoy the seamless high speed wireless connection.

The ESR150H 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 150Mbps 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

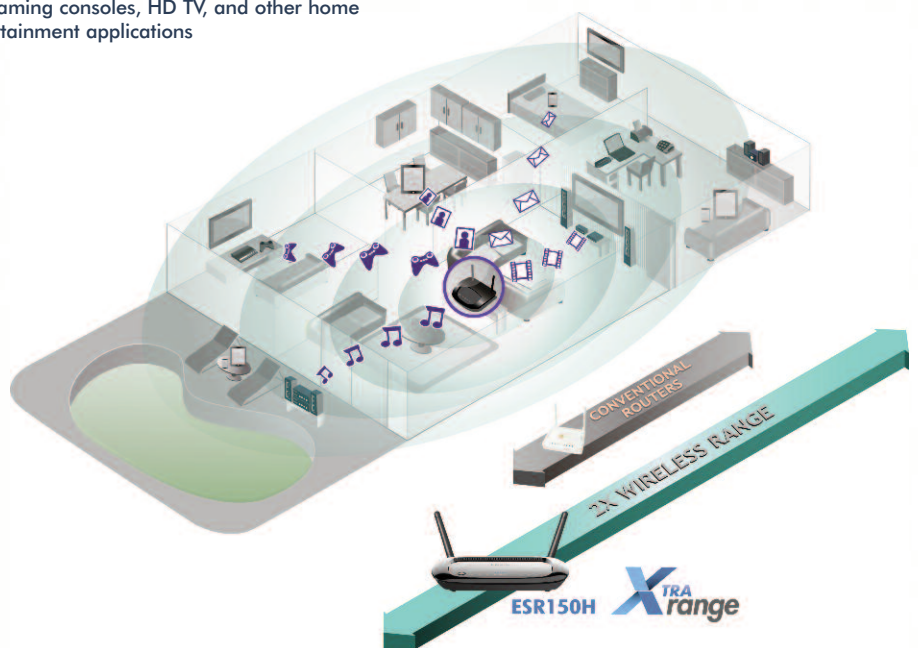
#### ADVANCED SPI FIREWALL

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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www.engenius-tech.com

## Technical Specifications Specifications may change without notice.

### HARDWARE SPECIFICATIONS

|                           |  |   |
|---------------------------|--|---|
| <b>Physical Interface</b> | Antenna Connector<br>Power Jack<br>LAN: 10/100 Ethernet RJ45<br>WAN: 10/100 Ethernet RJ45<br>Power Switch  |  |
| <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)<br> Power Status |   |
| <b>WAN</b>                |  Internet Connection  |   |
| <b>LAN</b>                | LAN1 – LAN4  |   |
| <b>WLAN</b>               |  Wireless Connection  |   |

### RF SPECIFICATIONS

|   |  |
|---|--|
| <b>Frequency Band</b>                     | 2.400 – 2.484 GHz                                    |
| <b>Modulation Technology</b>              | OFDM: BPSK, QPSK, 16-QAM, 64-QAM<br>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> | 23dBm  |
| <b>Antenna *2</b>                         | detachable 2 dBi                                     |

### SOFTWARE FEATURES

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

|                         |  |
|-------------------------|--|
| <b>Firewall</b>         | Block ICMP<br>SPI (Static Packet Inspection)<br>DoS Attack Blocking<br>Rule Based (IP Address Ranges, Port Ranges & Schedule)<br>DMZ (Demilitarized Zone) Host Support |
| <b>Parental Control</b> | Time Based Internet Access Control<br>URL / Keyword Filtering  |
| <b>VPN</b>              | L2TP & PPTP VPN tunneling<br>VPN pass-through (PPTP, L2TP, IPSEC)  |
| <b>Wireless</b>         | WEP<br>WPA<br>WPA2<br>802.1x Authenticator<br>Hide SSID in beacons<br>WPS<br>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.<br>• Event Log • Email Alarm |

### ENVIRONMENT & PHYSICAL

|                                  |  |
|----------------------------------|--|
| <b>Temperature Range</b>         | Operating: 0°C to 45°C (32°F to 113°F)<br>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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### EnGenius Technologies

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