



ESR1750

Dual Band Wireless AC1750 Gigabit Router



Key Features

- 802.11ac gives you concurrent dual-band 2.4GHz/5GHz for up to 1.75Gbps wireless speed.
- Gigabit ports to connect wired devices for high speed connectivity
- EnGenius Cloud Access and Management
- The EnShare apps for iOS /Android allows you to access your multimedia and documents from multiple devices at the same time.

Expand your entertainment options with this incredibly fast media streaming and sharing platform

Smooth Streaming with Wireless AC

The EnGenius ESR1750 uses the latest Wireless AC technology, which can provide transfer rates of up to 1.75Gbps (1300AC + 450N). The router operates on both the 2.4 GHz and 5 GHz wireless bands at the same time using concurrent dual-band technology. This allows you to browse the web, chat and email using the 2.4 GHz band, while simultaneously streaming digital media, playing online games, or making Internet phone calls on the 5 GHz band. Now, all your family members can enjoy media streaming with no lagging and even while transferring large files wirelessly.

Gigabit Wired Speed & Shared USB Media

The ESR1750 includes a built-in 4-Port Gigabit Switch and Gigabit WAN port for 10x faster throughput than Fast Ethernet making large file transfers, HD video and other media streaming incredibly fast. USB port to attach storage so connected devices in your home can access and stream video, music, and other media.

Industry-Standard Wireless Security

The ESR1750 supports several security features

and settings including industry-standard WPA/WPA2 wireless encryption to prevent unauthorized access to the network; a SPI (Stateful Packet Inspection) firewall to block malicious software from the Internet from accessing networked devices; MAC Address filtering to grant only known computers and devices network access; and URL filtering to block access to unwanted or offensive websites.

USB Media Anywhere with EnShare™

Attach a storage device to the router's USB port and with EnShare you can start sharing media content like photos, music, or videos throughout the home or even access and download that content when you're away from home to your mobile devices like smartphones or tablet and laptop PCs. EnShare also enables you to upload files to your attached storage device anywhere you can get an Internet connection.



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TECHNICAL SPECIFICATIONS

> Software Features

Operating Modes	AP Router/WDS
Network Map	Graphical display of current connected device list
Channel Setting	Manual
	Auto / Best Channel Selection
Transfer Rate Setting	Auto and Manual
Power Saving	Wireless LAN power saving
Guest Network (Multiple SSID)	4 BSSID for each 2.4GHz & 5GHz
	Each BSSID has its own WiFi & security settings
WPS	WPS-button & Software WPS
Security	WEP / WPA-PSK / WPA2-PSK / TKIP/ AES
	802.1x Authenticator
	Hidden SSID
	WPS
	Auto Channel Selection
VPN	VPN Pass-through (PPTP/L2TP/IP Sec)
VPN Lite Server	PPTP/ L2TP/IPSec (5 concurrent tunnels)
Management	UPnP, DLNA, DHCP, NTP Client, DDNS, Port Trigger, Virtual Server, DMZ
Utility	USB: FTP Server / SAMBA / File Sharing
	Web interface to access, upload, and play files stored on your USB drive



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IPv6	Yes
Mobile App Support	EnShare

TECHNICAL SPECIFICATIONS

> HARDWARE SPECIFICATION

Physical Interface	WAN: 1 x 10/100/1000Mbps Gigabit Ethernet
	LAN : 4 x 10/100/1000Mbps Gigabit Ethernet
	1 USB2.0 Port
	WPS button
Power Adapter	12V / 1.5A
LED Indicator	Power, WAN, WPS, 2.4Ghz WLAN & 5GHz WLAN

> WIRELESS SPECIFICATION

Frequency Band	2.400~2.484 GHz(11b, 11g, 11n) and 5GHz(11a, 11n, 11ac)
Operating Channels	11 for North America, 14 for Japan, 13 for Europe
Wireless Setting	Wireless Mode - 11ac/11a/ 11b/ 11g /11n
	Channel Selection
	Channel Bandwidth (Auto 20/40MHZ, 20MHZ, 40MHZ, 80 MHZ)
	Transmission Rate - 11n only, 11b/g/n mix ,11b ,11g, 11b/g, 11a, 11a/n, 11ac
Antenna	3 x 3.5dBi internal antennas for 2.4GHz 3 x 3.5dBi internal antennas for 5GHz

ENVIRONMENTAL AND MECHANICAL

Temperature Range	0 to 40° C - Operating, -20 to 60 ° C - Storage
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Humidity (non-condensing)	90% or less - Operating, 95% or less - Storage
Dimension	161.5mm (Diameter) x 41.5mm (Height)

PACKAGE CONTENTS

- 1x ESR1750
- 1x 12V/1.5A Power Adapter
- 1x Quick Start Guide
- 1x RJ-45 Ethernet Cable

Updated 30/08/2013

* 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

** All specifications are subjected to change without prior notice.

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