Dual-Band Wireless-N 900 Media Router with Gigabit and USB Ports

a b g n

The EIR900 is a Dual-Band (2.4 + 5GHz) Wireless-N 900 Media Router with wireless speeds up to 450Mbps on each frequency band.

This intelligent, high-bandwidth router includes a built-in 4-Port Gigabit switch and Gigabit WAN port for faster upload and downloads to and from the Internet. Entertainment components such as Blu-ray players, DVRs, set top boxes, game consoles and HDTVs can be quickly and effortlessly connected to the EIR900's Gigabit ports or wirelessly connected over its 2.4 or 5GHz frequency bands.

Thus, the EIR900 enables users to expand and enrich their home entertainment experience by allowing these entertainment components to access the growing number of free and subscription-based online entertainment services available from the Internet.

Highlights

DUAL-BAND WIRELESS-N SPEED

Utilizes 802.11n speeds up to 900 Mbps with both the 2.4 and 5GHz (450 + 450Mbps) frequency bands, ideal for media streaming, online gaming, and large file transfers in and around the home.

GIGABIT WIRED SPEEDS & USB2.0 PORTS

Includes a built-in 4-Port Gigabit switch and a Gigabit WAN port for up to 10x faster throughput than Fast Ethernet making large file transfers, HD video downloads and streaming incredibly fast. Also includes two USB2.0 ports to attach and share USB hard drives for sharing video and music to DLNA-supported devices.

Connect your Wi-Fi and Ethernet-enabled and USB hard drives to the high-speed, Dual-Band Wireless-N EIR900 Router and let it be the heart of your home entertainment and media experience.
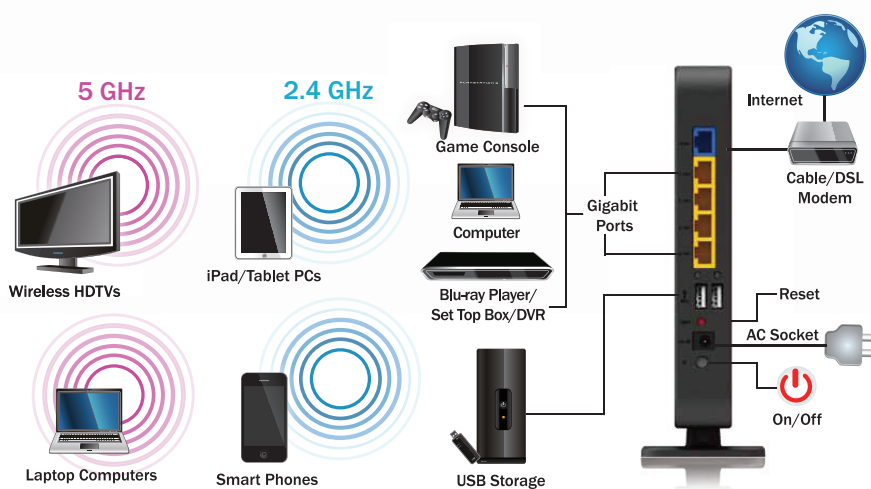
MORE GUEST ACCESS OPTIONS

Up to eight separate and discrete SSIDs (four per frequency band) can be set to enable friends or visitors to access the Internet while protecting other networked computers or hard drives in the home that may contain private information.

OPTIMIZED HD VIDEO STREAMING AND DOWNLOADS

Optimized QoS (Quality of Service) prioritizes media and other bandwidth-intensive content not only within the home but also media traffic from a home's Internet connection so buffering of HD video, lags in gaming, or interruptions in VoIP (Voice-over-Internet-Protocol) are substantially minimized or eliminated altogether.

INDUSTRY-STANDARD SECURITY

WPA and WPA2 wireless encryption, an SPI (Stateful Packet Inspection) firewall, Denial of Service blocking and MAC and URL filtering all help to make your home or small office network safer from intruders or from malicious software attacks from the Internet.

5 GHz

2.4 GHz

Wireless HDTVs

iPad/Tablet PCs

Laptop Computers

Smart Phones

Game Console

Computer

Blu-ray Player/ Set Top Box/DVR

USB Storage

Gigabit Ports

Internet

Cable/DSL Modem

Reset

AC Socket

On/Off

EnGenius™

www.engeniustech.com

DEVICE INTERFACE

1x Gigabit Ethernet WAN Port
4x Gigabit Ethernet LAN Ports
2x USB2.0 Ports
2x USB Indicators
DC-Power Socket
Power Switch
Reset Bottom
WPS Button

WIRELESS SPECIFICATION

6x Internal PIFA Antennas
Tx Output Power: 26dBm (FCC), 20dBm (ETSI) (The Max. Power may be different depending on local regulations.)
Rx Sensibility: -90dBm

LED INDICATORS

1x Power/System
1x WPS
2x USB

PACKAGE CONTENTS

1x EIR900
1x Power Adapter
1x Quick Installation Guide
1x CD Manual
1x RJ-45 Ethernet Cable
1x Technical Support Card

PHYSICAL/ENVIRONMENTAL CONDITION

Dimensions: 1.2"W x 7.5"D x 8.2"H
Weight: 1.3 lbs.
Operation: Temperature 0 ~ 40°C Humidity 90% or less (Nn-condensing)
Storage: Temperature –20 ~ 60°C Humidity 95% or less (Nn-condensing)

STANDARDS

IEEE 802.3i
IEEE 802.3u
IEEE 802.3ab
IEEE 802.11a
IEEE 802.11b
IEEE 802.11g
IEEE 802.11n

SOFTWARE FEATURES

Operation Mode: Router/WDS	
Wireless Features	Output Power Control Bandwidth Selection WMM (WiFi Multimedia) Wireless Power Saving Multiple SSID
Security	WEP/WPA/WPA2 TKIP/AES Hidden SSID MAC Address Filtering URL/IP/Port Filtering Client Isolation IEEE802.1x Authentication SPI/DoS Parental Control
L2 features	DHCP Server/Client NAT Port Forwarding/Mapping/ Triggering DMZ Static Route QoS Smart Stream DDNS Traffic Monitor
VPN	PPTP/IPSec/Passthrough VPN Tunnels: Max. 5
WAN Connection Type	PPPoE PPTP/L2TP DHCP/Static IP
USB Servers	SAMBA FTP DLNA iTunes BT Offline Download

POWER SPECIFICATION

1x External Power Adapter (DC IN, 12V 3.3A)

CERTIFICATIONS

FCC/CE/IC

ENGINEERED AND OPTIMIZED FOR HD MEDIA

While the EIR900 is engineered to serve the demanding needs of media-active families who download and stream HD video, music or play online games it's also Network Attached Storage platform engineered for media sharing and streaming within the home by simply attaching one or two USB hard drives to either or both of its two USB2.0 ports. Once attached, video and music content can be streamed to any DLNA-supported device. This innovative router includes an optimized QoS (Quality of Service) engine that prioritizes media and other bandwidth-intensive content not only within the home but also media traffic from a home's Internet connection.

INDUSTRIAL-STRENGTH SECURITY

The EIR900 also supports several security features and settings including industry standard wireless encryption, such as WPA/WPA2 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. The EIR900 also allows up to four separate and discrete SSIDs (Service Set Identifiers) or ways for guests to access the network. This gives families or a small business the ability to offer friends or visitors Internet access or access to specific devices, like printers, while protecting other networked computers or hard drives in the home that may contain private information. The EIR900's WPS (Wi-Fi Protected Setup™) button helps make wireless configuration with other wireless devices secure and simple.

SECURE REMOTE ACCESS WITH VPN

IP Security (IPsec) VPN capabilities are built into the EIR900 to enable for telecommuters, consultants or contractors working from home to securely connect to a corporate office network.

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Maximum data rates are based on IEEE 802.11 standards. Actual throughput and range can vary depending on many factors including environmental conditions, distance between devices, radio interference in the operating environment, and mix of devices in the network. Features and specifications subject to change without notice.