

ESR-9752

THE LEADER IN LONG RANGE WIRELESS HOME NETWORKING

# 300 Mbps Wireless N Router

## Wirelessly share a broadband internet connection

2.4GHz



Take advantage of the fastest wireless networking for your home or small home office. The ESR-9752 300Mbps Wireless N Router was designed with range and speed in mind. With expanded bandwidth, multiple users can wirelessly go online, make large file transfers, print to networked printers, and stream multimedia - at the same time. For larger homes or offices, the ESR-9752 Router is a perfect choice to connect everyone together and to the Internet.

### Powerful Protection

Supports the latest industry standard wireless data encryption to protect your data and networking activity - all with a push of a button.

### Easy to use and setup

With the included Installation Wizard and advanced push-button setup, you will be up and running and on the Internet in minutes.

### One Touch Setup



### WDS



### POWER SAVING



### WEP WPA WPA2



### HACKER SHIELD



## Key Differentiators

### WIRELESS 802.11N TECHNOLOGY

The most advanced wireless networking technology for the best range and speed

### SMARTNAT FOR SUPPORT OF UP TO 19,000 MEDIA SESSIONS

Ensures high performance when using P2P applications

### MULTIPLE SSID

Allows media streaming to be segmented from regular data networking  
Create a separate SSID for Guest Access (coming soon)

### RANGE EXPANDER FEATURE

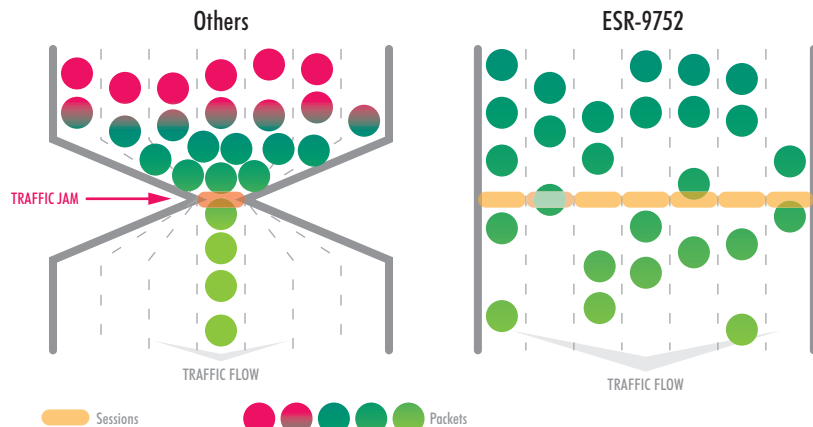
Extends the range of Wi-Fi networks

### SECURITY & MANAGEMENT

- Secure Push-Button Setup
- Policy Based Parental Control for safe browsing
- Power saving management (Green Technology)
- Auto Firmware Recovery
- Wi-Fi Protected Access (WPA2/WPA)
- Powerful SPI Firewall
- Wireless MAC Address Filtering

### REMOVEABLE AND UPGRADEABLE ANTENNAS

## P2P Enhanced with Smart NAT



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

## Technical Specifications Specifications may change without notice.

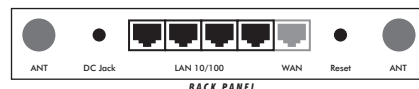
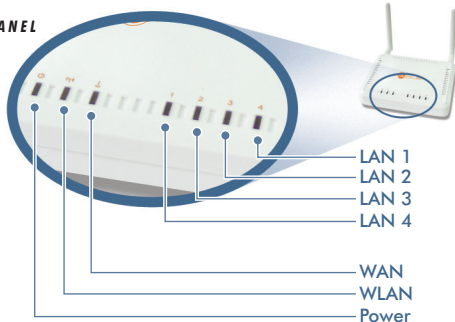
### HARDWARE SPECIFICATION

Memory	32MB SDRAM
Flash	4MB
Physical Interface	WAN: One 10/100 Fast Ethernet RJ-45 LAN: Four 10/100 Fast Ethernet RJ-45 Reset Button Power Jack WPS (Wi-Fi Protected Setup)
LED's Status	Power Status WAN (Internet connection) 10/100Mbps LAN1~ LAN4 WLAN (Wireless Connection)
Power Requirements	Power Supply: 200 to 240 VDC ± 10% (ETSI) 100 to 120 VDC ± 10% (FCC) Device: 12V/1A
WAN	1 ( Link-> blue on, traffic->blink)
LAN	4 ( Link-> blue on, traffic->blink)
WLAN	1 ( Link-> blue on, traffic->blink)
Power/Status	1 ( On-> red Test/reset default->blink)

### RF SPECIFICATION

Frequency Band	2.400~2.484 GHz				
Modulation Technology	OFDM: BPSK, QPSK, 16-QAM, 64-QAM DBPSK, DQPSK, CCK				
Operation Channels	11 for North America, 14 for Japan, 13 for Europe				
Wireless Settings	Wireless Mode ~11b/11g/11n Channel Selection (Setting varies by Country) Channel Bandwidth (Auto, 20Mhz, 40Mhz) Transmission Rate 11g: Best. 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 in Mbps				
		Guard Interval 800ns		Guard Interval 400ns	
	MCS Index	20MHz (Mbps)	40MHz (Mbps)	20MHz (Mbps)	40MHz (Mbps)
	0	6.5	13.5	7.2	15
	1	13	27	14.4	30
	2	19.5	40.5	21.7	45
	3	26	54	28.9	60
	4	39	81	43.3	90
	5	52	108	57.8	120
	6	58.5	121.5	65	135
	7	65	135	72.2	157.5
	8	13	27	14.4	30
	9	26	54	28.9	60
	10	39	81	43.3	90
	11	52	108	57.8	120
	12	78	162	86.7	180
	13	104	216	115.6	240
14	117	243	130	270	
15	130	270	144.4	300	
Receive Sensitivity (Typical)	IEEE 802.11n (2RX) MCS0/8@ -91dBm • MCS7/15@ -74dBm IEEE 802.11g (2RX) 6Mbps@ -92dBm • 54Mbps@ -75dBm IEEE 802.11b (1RX) 1Mbps@ -93dBm • 11Mbps@ -91dBm				
Available Transmit Power	IEEE 802.11n: MCS 0 ~15@ >16dBm IEEE 802.11g: 6 ~ 54 Mbps@16dBm IEEE 802.11b: 1, 11Mbps@19dBm				
Antenna *2	Peak Gain=2 dbi with SMA connector (detachable)				

FRONT PANEL



### SOFTWARE FEATURES

#### Router and Gateway

Topology	Infrastructure
Operation Mode	AP/Router
LAN	DHCP Server Static Routing Table UPNP
WAN	PPTP • PPTPvE • Static IP • DHCP Client • Clone MAC address
Router	NAT/ NATP Static Routing Dynamic Route Virtual server mapping IP address mapping Port Forwarding Port Triggering Special application ALG(Application Layer Gateway) support (RTP/RTSP, AOL, FTP, ICMP, WMP/MMMS, NetMeeting, SIP) DNS Relay DDNS Time Zone(NTP client)
Firewall	Block ICMP Ping DoS(Block ICMP Ping, Port scan, Sync Flood) MAC/IP Filtering ICMP Blocking SPI (Stateful Packet Inspection) DMZ (Demilitarized Zone) Host Policy Based Parental Controls Port Range / Service Filtering Internet Domain Restriction
VPN	VPN pass-through (PPTP, L2TP, IPSEC)
Wireless	<b>Power saving(Green technology)</b> 64/128 bit WEP Encryption WPA Personal (WPA-PSK using TKIP or AES) WPA Enterprise (WPA-EAP using TKIP) 802.1x Authenticator Hide SSID in beacons Wi-Fi Protection Setup (WPS) WDS ACL control Best Channel selection Speed/Bandwidth monitor
QoS	WMM Application base Priority Queue Bandwidth Allocation

#### Management

Configuration	Web-based configuration (HTTP)
Firmware Upgrade	Via webpage upgrade Auto recovery if firmware upgrade fails
Administrator Setting	Administrator password change • Idle time out
Reset Setting	Reboot • Reset to Factory Default
System monitoring	Speed and bandwidth monitoring
Scheduling	Enable Firewall • Enable power saving
Easy Access	User can type model name and access the main page
Install wizard	Guides user to set-up router smoothly

### 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	L: 4.92" (125mm) x W: 3.86" (98mm) x H: 0.98" (25mm)
Weight	0.61 lb. (275g)

### EnGenius Technologies

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