

ESR-9750G

Consumer Class 802.11n Gigabit Router



Key Differentiators

802.11N WIRELESS ROUTER W/ INTEGRATED 4-PORT GIGABIT SWITCH (ESR-9750G)

Optimized for up to 10X faster data transfer than Fast Ethernet

UNIQUE DETACHABLE MULTI-ANTENNA DESIGN

Upgradeable antennas to increase range and receive sensitivity

GREEN ETHERNET ENABLES ENERGY EFFICIENCY

Designed to reduce power consumption and save cost
(50% Energy Saving)

UNIVERSAL REPEATER FEATURE EXPANDS WIRELESS COVERAGE

Extends WiFi signal into dead spots
Minimizes trenching and cabling cost

QOS (QUALITY OF SERVICE) ENHANCES MULTIMEDIA APPLICATIONS

Ideal for VoIP, video streaming, online gaming
Intelligent feature to prioritize video and audio connections

AUTO-SETUP WIZARD TO EASE SETUP

No technical knowledge required
Installation as easy as 1-2-3

Ideal For:



HOME

HOME OFFICE

SMALL OFFICE



INTERNET PHONE CALLS (VoIP)

STREAMING HD VIDEO

ONLINE GAMING



ESR-9750G – Technical Specifications

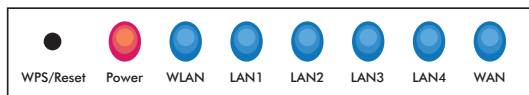
Specifications may change without notice.

HARDWARE SPECIFICATION

MCU	RT2880, 266MHz
Gigabit switch	Power savings RTL8366 (Green Ethernet)
Memory	32MB SDRAM
Flash	8MB
Physical Interface	WAN: One 10/100/1000 Gigabit Ethernet RJ-45 LAN: Four 10/100/1000 Gigabit Ethernet RJ-45 Reset Button (5 second for reboot, 5–10 seconds for reset to factory default) Power Jack WPS push button (Wi-Fi Protected Setup)
LED's Status	Power/ Status WAN (Internet connection) LAN1–LAN4 (10/100/1000Mbps) WLAN (Wireless Connection)
Power Requirements	Power Supply: 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				
Wireless Setting	Operation Mode –AP/Router 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(3RX) MCS0/8 @ -91dBm • MCS7/15@ -74dBm IEEE 802.11g (3RX) 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 *3	Peak Gain=2 dBi Average Gain=1.08 dBi (@2.45GHz, H-Plan)				



FRONT PANEL



BACK PANEL

SOFTWARE FEATURES

Setting	
Topology	Infrastructure
Operation Mode	Router/AP/Repeater mode
LAN	DHCP Server Static Routing Table UPNP
WAN	PPTP • PPTPvE • Static IP • DHCP Client • Clone MAC
Router	NAT/ NAPT 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/MM5, NetMeeting, SIP) DNS Relay DDNS Time Zone(NTP client)
Firewall	Blocking Ping DoS(Blocking 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 Dynamic URL Filtering (OEM subscription service)
VPN	VPN pass-through (PPTP, L2TP, IPSEC)
Wireless	Power saving(Green technology) 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
QoS	WMM Rule Based Controls (Protocol, IP port range) Intelligent Stream Handling/Wireless Intelligent Stream Handling Automatic Traffic Classification & Prioritization Dynamic Traffic Shaping & Packet Fragmentation Automatic Configuration
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 Client, Event Log

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)	5% – 95% typical
Dimensions	L: 6.57" (167mm) x W: 4.25" (108mm) x H: 0.98" (25mm)
Weight	0.61 lb. (275g)

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