

ESR-1221 EXT

Consumer Class 802.11g Wireless Router



Key Differentiators

HIGH 200MW WIRELESS POWER

Most powerful long-range wireless router
Offers greater WiFi coverage than leading brands

DETACHABLE ANTENNA DESIGN

Upgradable antenna to increase wireless range and receive sensitivity

UNIVERSAL REPEATER

Extends WiFi coverage into dead spots
Minimizes trenching and cabling cost

INTELLIGENT QUALITY OF SERVICE (QOS) TECHNOLOGY

Facilitates bandwidth priority for VoIP, video streaming, online gaming

AUTO-SETUP EASY WIZARD

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-1221 EXT – Technical Specifications

Specifications may change without notice.

HARDWARE SPECIFICATION

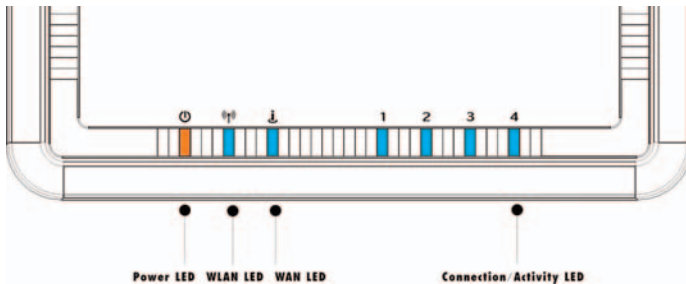
MCU	RTL8186
Memory	8MB SDRAM
Flash	2MB
Physical Interface	WAN: One 10/100 Gigabit Ethernet RJ-45 LAN: Four 10/100 Gigabit Ethernet RJ-45 Reset Button Power Jack RP-SMA Detachable Antenna
LED's Status	Power/ Status WAN (Internet connection) LAN1 – LAN4 (10/100Mbps) WLAN (Wireless Connection)
Power Requirements	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

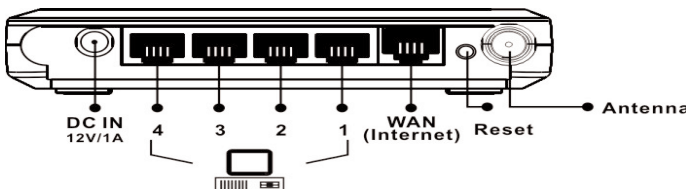
Frequency Band	2.400 – 2.484 GHz
Modulation Technology	OFDM: BPSK, QPSK, 16-QAM, 64-QAM DBPSK, DQPSK, CCK
Operation Channels	11 for North America
Receive Sensitivity (Typical)	11g: -85dBm @ 6Mbps -68dBm @ 54Mbps 11b: -90dBm @ 1Mbps -84dBm @ 11Mbps
Available Transmit Power	2.412–2.472G (IEEE 802.11g) Up to 17 dBm @6 ~ 54Mbps 2.412–2.472G (IEEE 802.11b) Up to 23 dBm @1~11Mbps
Antenna *1	Detachable (RP-SMA), Peak Gain=2 dBi

FRONT PANEL (LED STATUS)

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)



REAR PANEL (INTERFACE)



SOFTWARE FEATURES

Router and Gateway	
Topology	Infrastructure
Operation Mode	AP / Router / WDS / Universal Repeater
LAN	DHCP Server Static Routing Table UPNP Spanning Tree
WAN	PPTP PPPoE Static IP DHCP Client Clone MAC
Router	NAT/ NAPT Port Forwarding DDNS Time Zone(NTP client)
Firewall	Blocking Ping DoS(Blocking Ping, Port scan, Sync Flood) MAC / IP Filtering DMZ (Demilitarized Zone) Host Policy Based Parental Controls Port Filtering Web Filtering MAC Filtering IP Filtering
VPN	VPN pass-through (PPTP & IPSEC)
Wireless	64/128 bit WEP Encryption WPA Personal (WPA-PSK using TKIP or AES) WPA Enterprise (WPA-EAP using TKIP) 802.1x Authentication Hide SSID / beacons User Isolation RF Power Control QoS Best channel selection
Management	
Configuration	Web-based configuration (HTTP)
Firmware Upgrade	Via webpage upgrade Auto recovery once firmware upgrade fail
Administrator Setting	Administrator password change Idle time out
Reset Setting	Reboot Reset to Factory Default Backup Settings
Install wizard	Device act as AP/Router mode Device act as Repeater mode
System Log	Log important System messages

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: 3.86" (98mm) W: 4.92" (125mm) H: 1.00" (25mm)
Weight	0.55 lb (250g)

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