ESR150H

X-TRA RANGE Wireless 11n Router

- 2.4GHz
- 150Mbps
- 802.11b/g/n

XTRA RANGE family routers are specially tailored for extensive wireless coverage users.

ESR150H is a 150Mbps Wireless N AP Router which offers unprecedented network performance with economic circuit design. Guest Network (Multiple SSID) provides advance users ability to manage multiple users of various needs. TX power control enables flexible transmission tuning for different installation needs and prevents malicious eaves-dropping. It enhances signal strength and extends the range to avoid wireless dead spots in your home or office that slow down your wireless access.

Parental Control allows parents to monitor and control the Internet usage using scheduling and monitoring features.

ESR150H comes with embedded light-weight VPN server supporting PPTP and L2TP protocol. It is best suited for the home and small office environment.

SOFTWARE FEATURES	
> SYSTEM REQUIREMENT	
System	Windows or Mac OS
Access Method	Web Based (HTTP 1.0 / 1.1)
Browser Compatibility	IE and Firefox
> WIRELESS FUNCTIONAL LIST	
Operating Modes	AP Router/WDS
Network Map	Graphical display of current connected device list
Channel Setting	Manual
	Auto / Best Channel Selection

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Transfer Rate Setting	Auto and Manual
Power Saving	Wireless LAN power saving
Guest Network (Multiple SSID)	4 BSSID for 2.4Ghz
	Each BSSID has its own WiFi & security settings
WPS	WPS-button & Software WPS
Security	WEP(64/128bit)
	TKIP/AES
	Hidden SSID
	MAC address filtering (Both in WLAN and LAN)
LAN Settings	IP (check validity and DHCP server IP range)
DHCP Server	DHCP Range, Lease Time, Client list
VPN Server	PPTP & L2TP (5 concurrent tunnels)
Internet Scheduling (Parental Control)	Yes
Web Site Tracking List (Web Monitoring)	Yes
Administration	User Name (set as "admin")
	Password (can be changed by user)
	Confirmed Password
Backup/ Restore Setting	Save Current Setting
	Restore Saved Setting
	Reset to Factory Default
Firmware Upgrade	Upgrade firmware via web browser
Firewall	DoS Protection
QoS	Priority Queue / Bandwidth Allocation
ALG	Yes
UPnP	Yes
Diagnosis	Address to Ping

TECHNICAL SPECIFICATIONS	
> HARDWARE SPECIFICATION	
MCU	Realtek RTL8196C+8188RE
Memory	32MB
Flash	4MB
Hosting Size (LxWxH)	165mm x 120mm x 18mm
Physical Interface	WAN: 1 x 10/100 Fast Ethernet
	LAN : 4 x 10/100 Fast Ethernet
	WPS button

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	(Press 1 to 5 seconds to activate the router's Wi-Fi Protected Setup (WPS) feature)		
	(Press 6 to 10 seconds to reboot the router)		
	(Press up to 20 seconds to reset the router to factory default)		
	Power Jack		
	Antenna: SMA x 1		
Power Adapter	12V / 1A		
LED Definition	Power x 1	Blue	Booting: Blink on start
	WLAN x 1	Blue	Link: Solid Light/ Active: Blinking
	LAN x 4	Blue	Link: Solid Light/ Active: Blinking
	WAN x 1	Blue	Link: Solid Light/ Active: Blinking
> WIRELESS SPECIFICATION			
Frequency Band	2.400～2.484 GHz(11b, 11g, 11n)		
Modulation Technology	OFDM: BPSK, QPSK, 16-QAM, 64-QAM DBPSK, DQPSK, CCK		
Operating Channels	11 for North America, 14 for Japan, 13 for Europe		
Wireless Setting	Wireless Mode – 11b/ 11g /11n Channel Selection Channel Bandwidth (Auto, 20Mhz, 40Mhz) Transmission Rate - 11n only 11b/g/n mix ,11b ,11g, 11b/g		
Antenna	2dBi dipole SMA		

ENVIRONMENTAL AND MECHANICAL	
Temperature Range	0 to 40° C - Operating, -20 to 60 ° C - Storage
Humidity (non-condensing)	90% or less – Operating, 90% or less - Storage

PACKAGE CONTENTS
• 1x ESR150H
• 1x 12V/1A Power Adapter
• 1x Quick Installation Guide
• 1x CD (Wizard & User's Manual)
• 1x Ethernet Cable
• 1x Detachable Antennas(2dBi)

ESR150H Data sheet Version 160312

*Theoretical wireless signal rate based on IEEE standard of 802.11 b, g, n chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.
** All specifications are subject to change without prior notice

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