ESR300H

XTRA RANGE Wireless 11n Router

- 2.4GHz
- 300Mbps
- 802.11b/g/n

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

ESR300H is a 300Mbps Wireless N AP Router offers user unprecedented network performance with economic circuit design. Guest Network (Multiple SSID) provides advance users 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 the 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.

ESR300H 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	
> STATUS		
Physical Interface	System Information	System Up Time, Device Name, Wireless MAC, LAN MAC, Country, Current Time, Firmware Version
	Current IP Setting	IP Address, Subnet Mack, Default Gateway, DHCP, DNS.

HOME AND HOME OFFICE
ESR300H

Available at: **Jia Ying Trading Pte Ltd** - 1 Rochor Canal Road #02-67/ 69/ 34-37 Sim Lim Square Singapore 188504
Tel:(+65) 6336 0404 Fax:(+65) 63380404 Website: www.jiaying.com Email: jiaying@singnet.com.sg / email@jiaying.com.sg

		Current Wireless Setting	Operation mode, Wireless Mode, Channel/ Frequency, L2 Isolation, MSSID Setting
> WIRELESS FUNCTIONAL LIST			
Operating Modes		AP Router	
		WDS	
Standards		IEEE802.11b/g/n	
Network Map		Graphical display of current connected device list	
Channel Setting		Manual	
		Auto / Best Channel Selection	
Transfer Rate Setting		Auto and Manual	
Output Power Control		High / Medium / Low	
Power Saving		Wireless LAN power saving	
Guest Network (Multiple SSID)		4 BSSID for 2.4Ghz	
		Each BSSID should has its own WiFi & security settings	
WPS		WPS-button & Software WPS	
Security	WEP	WEP(64/128bit)	
	WPA/ WPA2	TKIP / AES	
	Hidden SSID	Yes	
	MAC address filtering	MAC address filtering (Both in WLAN and LAN)	
	L2 Isolation	Yes	
	802.1x Authenticator	MD5/ TLS/ TTLS	
	802.1x Supplicant	TTLS	
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) **(EnGenius)**	
Internet Scheduling (Parental Control)		Yes **(EnGenius)**	
Web Site Tracking List (Web Monitoring)		Yes **(EnGenius)**	
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		Firmware Upgrade	

ESR300H Data sheet Version 151111

*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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Learn more about EnGenius solutions at **www.engeniustech.com.sg**

	Allow User to decide to Keep current setting or reset to default.
UPnP	Yes
Diagnosis	Address to Ping :

TECHNICAL SPECIFICATIONS			
> Hardware Specifications			
MCU	RTL8196C+8192CE		
Memory	32MB		
Flash	4MB		
Hosing Size	155mm x 116mm		
Physical Interface	LAN: 1 x 10/100 Fast Ethernet		
	WAN: 4 x 10/100 Fast Ethernet		
	WPS button (WPS & Reset to default combined)		
	Power Jack		
	Antenna: SMA x 2		
LED Definition	Power x1	Blue	Booting: Blink on start
	WLAN x1	Blue	Link: Solid Light / Active: Blinking
	LAN x 4	Blue	Link: Solid Light / Active: Blinking
	WAN x 1	Blue	Link: Solid Light / Active: Blinking
Adapter	12V / 1A		
> Wireless Specifications			
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 ,11b/g		
Receive Sensitivity	Optimal -90 dBm		
Antenna	2dBi SMA dipole		

ENVIRONMENTAL AND MECHANICAL	
Temperature Range	0 to 50° C - Operating, -20 to 60 ° C - Storage
Humidity (non-condensing)	90% or less – Operating, 90% or less - Storage

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PACKAGE CONTENTS
• 1* ESR300H
• 1* 12V/1A Power Adapter
• 1* QIG
• 1* CD (Wizard & User's Manual)
• 1* Ethernet Cable
• 2* Detachable Antennas

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