EnGenius®

ERA150
11n High Power Repeater

2.4GHz   150Mbps   26dBm   AP/Repeater

ERA150 is a wireless-11n 150Mbps High Power Repeater. Except for AP function, it can be used as a repeater to extend AP's coverage in your environment.

Maxima 26dBm high power transmission provides extended coverage in your environment. MSSID + VLAN make your data more secure and easy management. Standard PoE interoperable with 802.3af makes internet connection more flexible

ERA150 designed with slim and white color outlook which will not violate your interior decoration.ERA150 is truly the best choice to boost your mobility.

Package Contents

- 1* ERA150

- 1*Power Adapter

- 1*QIG

- 1*CD (User's Manual)

- 1*Ethernet Cable

- 1*Security Mounting Bracket

- 1*Wall Mount Screw Kit

Software Features		
System Requirement		
System	Windows Windows7, 98, ME, NT, XP, 2000. Mac OS X (10.4)	
Access method	Web Based (HTTP 1.0 / 1.1)	
Browser Compatibility	Microsoft IE 6.0 or above, Firefox 2.0 or above	
Status		
System Status	System Information	System Up Time, Device Name, Wireless MAC, LAN MAC, Country, Current Time, Firmware Version
	Current IP Setting	IP Address, Subnet Mask, Default Gateway, DHCP, DNS.
	Current Wireless Setting	Operation mode, Wireless Mode, Channel/ Frequency, L2 Isolation, MSSID Setting
Client List	List current associated clients. Show only authorized and associated clients	
System Log	Displays a list of events triggered	
Wireless Functional List		
Operation mode	AP	

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		Repeater
802.11 mode options		b/g/n
Channel setting		Manual
		Auto / Best Channel Selection
Transfer rate setting		Auto and Manual
Output Power Control		Select by dBm
Multiple BSSID (Multi AP)		4 BSSID
		Each BSSID should has its own WiFi & security settings
WPS		Software only
Security	WEP	WEP(64/128bit)
	WPA/ WPA2	TKIP / AES
	Hidden ESSID	
	MAC address filtering	MAC address filtering (WLAN, up to 50 field)
	L2 Isolation	
	802.1x Authenticator	MD5/ TLS/ TTLS, PEAP
LAN Settings		IP (check validity)
VLAN	MSSID	VLAN tag on MSSID
	Management VLAN Ethernet Port VID	Only allow user with specified VID to access the device
	Tag/ Untag Option	Independent VLAN setting can be enable or disable
	Add VLAN tag	Any packet that enters the Device without a VLAN tag will have a VLAN tag inserted with a PVID (Ethernet Port VID)
SNMP	SNMP V1/V2C MIBI, MIBII Private MIB	- SNMP Active : Disabled / Enabled - SNMP Version : V1/V2c/ALL - Read Community - Set Community - System Location - System Contact - Trap Active : Disabled / Enabled - Trap Manager IP
	SNMPv3	
Administration		User Name (set as "admin")

	Password (can be changed by user)
Backup/ Restore Setting	Save Current Setting
	Restore Saved Setting
	Reset to Factory Default
Firmware Upgrade	
UPnP	Supported
QoS	WMM
Advanced Management	Auto Reboot
	CLI
	NMS (EZ Controller)
	Traffic shaping (by Radio)
Multicast	Supported

Hardware Specifications			
MCU	AR7240+AR9285		
Memory/ Flash	32MB / 8MB		
Diameter * Height			
Physical Interface	LAN: 2 x 10/100 (one of the two LAN ports supports 802.3af PoE standard)		
	Reset x1		
	Power Jack x1		
LED Definition	Power x1	Green	Booting: Blink at 1HBooting
			System Ready: On
			Firmware Upgrade: Blink at 4Hz
			System Off: Power Off
	LAN x2	Green	Link: Solid Light / Active: Blinking (Receiving/ Transmitting data)
	WLAN x1	Green	Link: Solid Light / Active: Blinking (Receiving/ Transmitting data)
	Signal Indicator*3	Green Orange Red	Good: Green / Medium: Orange / Bad: Red
Adapter	12V / 1A		

Wireless Specifications	
Frequency Band	Radio I: 11b/g/n : 2.412~2.484 GHz

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Modulation Technology	OFDM: BPSK, QPSK, 16-QAM, 64-QAM DBPSK, DQPSK, CCK
Operating Channels	2.4G (11 for North America, 14 for Japan, 13 for Europe)
Wireless Setting	Operation Mode – AP / Repeater Wireless Mode – 11b/ 11g /11n Channel Selection (Setting varies by Country) Channel Bandwidth (Auto, 20Mhz, 40Mhz) Transmission Rate – 2.4GHz: 11n only ,11b/g/n mix ,11b only ,11b/g, 11g only

Receive Sensitivity (Typical)	**802.11b** -97dBm @ 1Mbps -89dBm @ 11Mbps **802.11g** -96dBm @ 6Mbps -75dBm @ 54Mbps	**802.11n (2.4GHz)** -96dBm @ MCS0 -74dBm @ MCS7

Available transmit power (±2dBm) (The Max. Power may be different depending on local regulations)	11b	1Mbps - 11Mbps	27
	11g	6Mbps - 9Mbps	26
		12Mbps - 18Mbps	26
		24Mbps - 36Mbps	25
		48Mbps - 54Mbps	23
	11n	MCS 0-1	26
		MCS 2-3	26
		MCS 4-5	25
		MCS 6-7	23
Antenna	External 5dBi 1x1 ANT.		

Environment & Mechanical

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

Certification

FCC	

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CE	
IC	