

# EAP350

## Business Class, Indoor, Long Range, Wireless-N, Gigabit Access Point/WDS/Repeater



### Key Differentiators

#### HIGH-POWER, LONG-RANGE WIRELESS-N

Up to 29dBm RF Tx power provides greater signal coverage compared to other competitive offerings

#### WIRELESS-N – UP TO 6X SPEED OVER LEGACY 11G NETWORKS

The 11n standard and MIMO deliver up to 300Mbps throughput over wireless for greater overall connectivity

#### GIGABIT ETHERNET LAN INTERFACE

Up to 10x faster data transfer than Fast Ethernet. Ideal for bandwidth-intensive and sensitive applications like online gaming, VoIP, video and other multimedia streaming

#### SSID TO VLAN MAPPING

Supports 802.1q mapping of SSIDs and up to four VLANs

#### 802.3AF POE COMPLIANT

Supports Power-over-Ethernet (IEEE 802.3af) and enables deployment in ceilings and other areas where power outlets may not be available

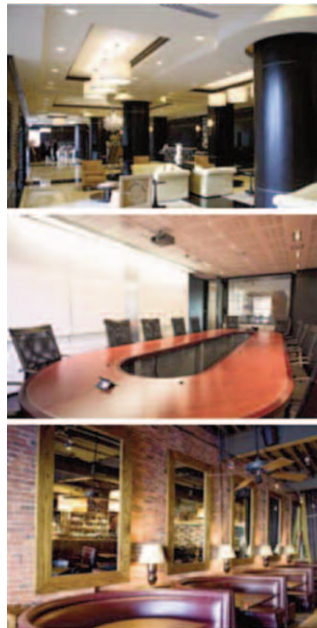
#### INTEGRATED ANTENNA

Internal 5dBi antenna with optimized configuration and RF performance

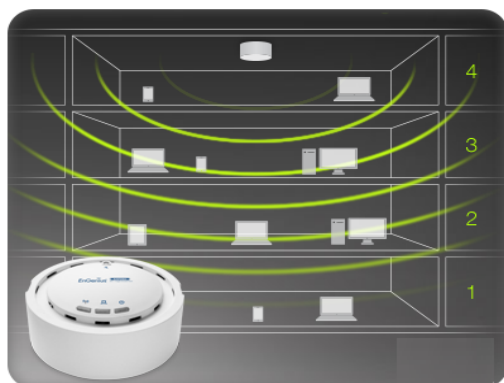
#### SSID TO VLAN MAPPING SEGMENTS USERS ON THE NETWORK



### Ideal For:



- HOTELS & RESORTS
- CAMPUSES & CLASSROOMS
- PUBLIC HOTSPOTS
- CONFERENCE ROOMS
- MULTI-STORY HOMES
- COMMON AREAS
- WAREHOUSES
- SHOPPING MALLS
- CONFERENCE ROOMS
- RESTAURANTS



Specifications may change without notice.

## HARDWARE SPECIFICATIONS

MCU/RF	AR7242+AR9283
Memory	32 MB
Flash	4 MB
Physical Interface	LAN: 1 x 10/100/1000 Gigabit Ethernet RJ-45 port with IEEE 802.3af Power over Ethernet (PoE) support Reset Button Power Jack
LED Indicators	Power/Status LAN (10/100/1000Mbps) WLAN (Wireless connection)
Power Requirement	Power Supply: 90 to 240 VDC $\pm$ 10%, 50/60 Hz (depends on different countries) Active Ethernet (Power over Ethernet, IEEE802.3af) 48 VDC/0.375A Device: 12V/1A

## RF SPECIFICATIONS

Wireless standard	IEEE802.11 b/g/n		
Frequency	2.400 ~ 2.484GHz (b/g/n)		
Modulation Technologies	OFDM: BPSK, QPSK, 16-QAM, 64-QAM DBPSK, DQPSK, CCK		
Operating Channels	11 channels		
Transmit Power	802.11b(2.412 ~ 2.472GHz)	802.11g(2.412 ~ 2.472GHz)	802.11n(2.412 ~ 2.472GHz)
	29 dBm @ 1Mbps	29 dBm @ 6Mbps	26 dBm @ MCS0/MCS8
	29 dBm @ 2Mbps	29 dBm @ 9Mbps	26 dBm @ MCS1/MCS9
Receiver Sensitivity	29 dBm @ 5.5Mbps	28 dBm @ 12Mbps	25 dBm @ MCS2/MCS10
	29 dBm @ 11Mbps	28 dBm @ 18Mbps	25 dBm @ MCS3/MCS11
		24 dBm @ 24Mbps	24 dBm @ MCS4/MCS12
		24 dBm @ 36Mbps	24 dBm @ MCS5/MCS13
		23 dBm @ 48Mbps	23 dBm @ MCS6/MCS14
		23 dBm @ 54Mbps	23 dBm @ MCS7/MCS15
Antenna	Embedded Omni antenna (Diversity support) Antenna Gain = 5 dBi		

## SOFTWARE SPECIFICATIONS

Topology	Infrastructure/Ad-Hoc
Operation Mode	Access Point/WDS/Repeater
Multiple BSSID	Supports up to four BSSIDs
LAN	IP (check validity and DHCP server IP range) MAC
VLANs	Supports 802.1q (up to four VLANs) SSID to VLAN mapping
Spanning Tree	Supports 802.1d Spanning Tree Protocol
Wireless	Wireless mode: 11b/11g/11n Channel selection (setting varies by country) Channel bandwidth (Auto, 20MHz, 40MHz) Transmission rate: 11n only, 11b/g/n mix, 11b only, 11b/g, 11g only
VPN	VPN pass-through (PPTP, L2TP, IPSEC)
QoS	WMM
WPS	Software only
Security	WEP Encryption - 64/128 bit WPA Personal (WPA-PSK using TKIP or AES) WPA Enterprise (WPA-EAP using TKIP) 802.1x Authenticator SSID broadcast enable/disable MAC Address Filter(AP mode) WLAN L2 isolation(AP mode) Wireless STA (Client) connected list (Idle/Connection Time, Pkt statistics)

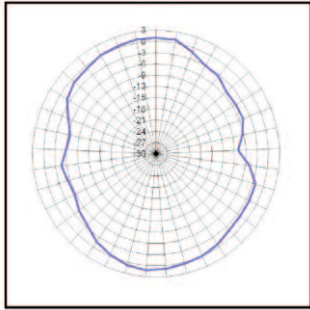
## MANAGEMENT

Tx Power Control	Adjust transmit power by dBm
Configuration	Web-based configuration (HTTP)/Telnet
Telnet Server	CLI
Firmware Upgrade	Upgrade firmware via web browser
Administrator Setting	Administrator Username & Password change
Reset Setting	Reboot (press 1 second). Reset to Factory Default (press 10 second)
System Monitoring	Status Statistic and Event log
SNMP	V1 , V2c
MIB	MIB I , MIB II(RFC1213) and Private MIB
Traffic Measurement	Per interface
Auto-channel Selection	Automatically selecting least congested channel
Bandwidth Measurement	IP range and bandwidth management
Backup & Restore	Save & restore settings through Web interface
Diagnosis	IP pinging statistics

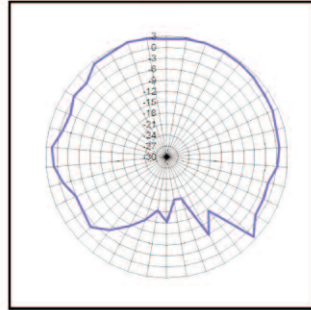
## ENVIRONMENT & PHYSICAL

Temperature Range	Operating: 0 to 50° C (32° to 122° F) Storage: -20 to 60° C (-4° to 140° F)
Humidity (non-condensing)	Operating: 90% or less Storage: 90% of less
Dimensions	Diameter: 4.73" (120mm) Height: 1.97" (50mm)
Weight	0.62 lb. (280g)
Certifications	FCC, CE, IC

Internal Antenna Pattern – XY-AZ Plane



Internal Antenna Pattern – XZ-EL Plane



RJ-45 Port with (802.3af PoE)  
DC Power - In

802.11g 54Mbps

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802.11n | 300Mbps

6x speed