THE LEADER IN LONG RANGE BUSINESS CLASS WIRELESS DATA

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

Ideal For:

HOTELS & RESORTS

CAMPUSES & CLASSROOMS

PUBLIC HOTSPOTS

CONFERENCE ROOMS

MULTI-STORY HOMES

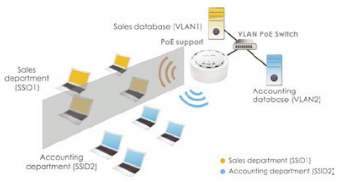
COMMON AREAS

WAREHOUSES

SHOPPING MALLS

CONFERENCE ROOMS

RESTAURANTS



SSID TO VLAN MAPPING SEGMENTS USERS ON THE NETWORK

EnGenius

Specifications may change without notice.

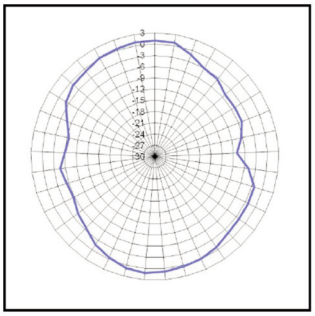
HARDWARE SPECIFICATIONS

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 802.3 af 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 ± 10%, 50/60 Hz (depends on different countries) Active Ethernet (Power over Ethernet, IEEE802.3af) 48 VDC/0.375A Device: 12V/1A

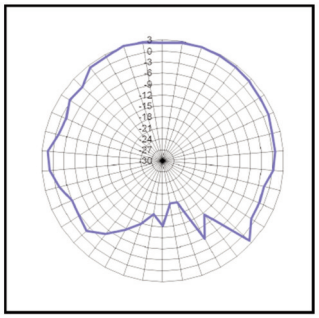
RF SPECIFICATIONS

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)** 29 dBm @ 1Mbps 29 dBm @ 2Mbps 29 dBm @ 5.5Mbps 29 dBm @ 11Mbps **802.11g(2.412 ~ 2.472GHz)** 29 dBm @ 6Mbps 29 dBm @ 9Mbps 28 dBm @ 12Mbps 28 dBm @ 18Mbps 24 dBm @ 24Mbps 24 dBm @ 36Mbps 23 dBm @ 48Mbps 23 dBm @ 54Mbps **802.11n(2.412 ~ 2.472GHz)** 26 dBm @ MCS0/MCS8 26 dBm @ MCS1/MCS9 25 dBm @ MCS2/MCS10 25 dBm @ MCS3/MCS11 24 dBm @ MCS4/MCS12 24 dBm @ MCS5/MCS13 23 dBm @ MCS6/MCS14 23 dBm @ MCS7/MCS15
Receiver Sensitivity	802.11b (2.412 ~ 2.472 GHz) best -98 dBm 802.11g (2.412 ~ 2.472 GHz) best -93 dBm 802.11n (2.412 ~ 2.472 GHz) best -93 dBm
Antenna	Embedded Omni antenna (Diversity support) Antenna Gain = 5 dBi

Internal Antenna Pattern – XY-AZ Plane



Internal Antenna Pattern – XZ-EL Plane



SOFTWARE SPECIFICATIONS

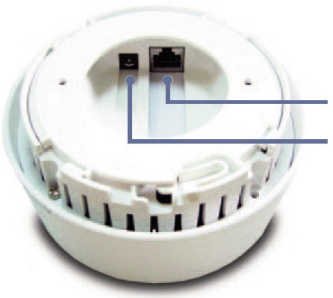
Topology	Infrastructure/Ad-Hoc
Operation Mode	Access Point/WDS/Repeater
Multiple BSSID	Supports up to four BSSIDs
LAN	IP (check validity and DHCP server IP range) MAC
DHCP Server	DHCP range, lease time, client list
VLANs	Supports 802.1q (up to four VLANs) SSID to VLAN mapping
Spanning Tree	Supports 802.1d 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



EnGenius Technologies 1580 Scenic Avenue • Costa Mesa, CA 92626, USA
888.735.7888