EAP350

N300 2.4GHz Indoor Ceiling Mount Access Point

Key Features

· IEEE 802.11 a/b/g/n compliant

· Up to 300Mbps Data rate

· Gigabit Ethernet Port with IEEE 802.3af PoE Input

· AP/WDS/Repeater Modes

· Configure via web GUI or EZ controller

· Multiple SSIDs (8 SSIDs) + VLAN tagged

· SNMP V1/ V2c/V3, MIB I/II supported

· WEP/WPA/WPA2 wireless encryption

· Traffic Shaping

· Support IPv4/IPv6

· Built-in Guest Network

· Ceiling casing and Internal Antennas design

Enterprise class 2 x 2 802.11n single-radio brings 300Mbps connection speed on your WLAN for diversity of applications.

EAP350 equips with an advanced RF interface coupled with 802.11n technologies, offering data transmission rate up to 300Mbps at 2.4GHz band.

Enhanced Signal Strength and Receive Sensitivity to Further Extend WLAN Coverage

EAP350 is build the higher strength and sensitivity; the specification will assist to reduce dead in your deployed WLAN and boost received signal quality on both ends of AP and wireless client devices. EAP350 offers multiple SSIDs (up to 8 sets) and each SSID can configure its bandwidth and WLAN security settings, enabling various applications running over WLAN with different levels of security strength and bandwidth limit. EAP350 also provides the advanced features including the traffic shaping and guest network for achieving the optimize connection and stable wireless throughput.

Efficient Configuration and Real-time Management

EAP350 can be configured by web configuration or EnGenius Zone Controller (EZ controller) software. With full-featured software built-in, the device allows administrator to control, manage, and optimize the network effectively from a central location which can decrease the maintenance cost greatly. EAP350 can operate into different modes with **Access Point** and **WDS Modes**. With powerful solution and individual interfaces, EAP350 can connect with the multiple devices and extend the wireless signal easily.

Physical Interface

Top Side		Bottom Side	
1	LED Signal	3	Gigabit Ethernet Port
2	Reset Button	4	DC Jack (12V/1A Input)

SPECIFICATIONS	
Wireless Radio Specification	
Single Radio	2.4GHz: 802.11b/g/n with max data rate up to 300Mbps
Transmit Power (combined)	2.4GHz : max 15dBm Maximum transmit power is limited by regulatory power
Supported Radio Technology	802.11b: direct-sequence spread-spectrum (DSSS) 802.11g/n: orthogonal frequency-division multiplexing (OFDM)
Channelization	802.11n with 20/40 MHz channel width

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	802.11b/g with 20 MHz channel width
Supported Modulation	802.11b: BPSK, QPSK, CCK
	802.11g/n: BPSK, QPSK, 16-QAM, 64-QAM
Supported Data Rates (Mbps)	802.11b: 1, 2, 5.5, 11
	802.11g: 6, 9, 12, 18, 24, 36, 48, 54
	802.11n: 6.5 to 300 (MCS0 to MCS15)

Physical Characteristic	
Power Source	DC Input: 12 VDC 1A
	PoE: compatible with 802.3af
Internal High Gain Antennas	2 x 5dBi 2.4GHz antennas
Interface	1 x 10/100/1000 BASE-T Ethernet (RJ45)
	1 x DC power connector
	1 x reset button
Dimensions/Weight	125.63 x 63.58mm (Diameter x Height)
	226g
Environment	Operating temperature: 0℃~50℃
	Operating humidity: 0%～90% typical
	Storage temperature: -20℃~60℃
Mounting	Ceiling mount or wall mount

Wireless	
Operating Mode	AP/WDS/Repeater
Auto Channel Selection	Setting Varies by regulatory domains
SSIDs	Supports up to 8 SSIDs
VLAN Tag/VLAN pass-through	
Wireless Client List	
Guest Network	Allocates a separate network segment for guest access within the same WLAN
QoS	Supports 802.113/WMM
Band Steering	Moves 5GHz-compatible clients to 5GHz band to ease traffic congestion on 2.4GHz band
Mobility	PMKSA support for fast roaming
Security	WEP encryption: 64/128-bit
	WPA/WPA2 Enterprise/PSK

	Hidden SSID
	MAC address filtering (up to 50 MAC)
	Station separation

Management

Configuration	Web interface (HTTP)
	SNMP v1/v2c/v3 with MIB I/II and private MIB
	CLI (Telnet)
Firmware Upgrade	Web interface or CLI (FTP/HTTP)
Backup/Restore Settings	Revert to factory default settings
Syslog Notification	Provides a network monitoring tool for administrators to stay informed upon configuration change or network errors

RF Performance Table

Channel	Data Rate	Transmit Power (Aggregated, dBm)	Received Sensitivity (Aggregated, dBm)
802.11b 2.4 GHz	1 Mbps	15.0	-95.0
	2 Mbps	15.0	-93.0
	5.5 Mbps	15.0	-91.0
	11 Mbps	15.0	-89.0
802.11g 2.4 GHz	6 Mbps	14.0	-90.0
	54 Mbps	13.0	-75.0
802.11n HT20 2.4 GHz	MCS 0 / 8 / 16	15.0	-90.0
	MCS 7 / 15 / 23	14.0	-75.0
802.11n HT40 2.4 GHz	MCS 0 / 8 / 16	13.0	-90.0
	MCS 7 / 15 / 23	13.0	-72.0

*Maximum transmit power is limited by local regulatory.

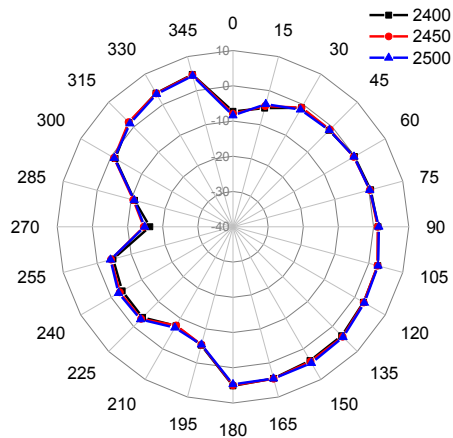*The supported frequency band is restricted by local regulatory requirements.

*Transmit power is configured in 1.0dBm increments.
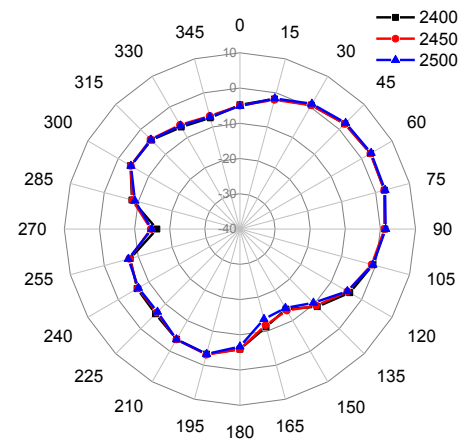
Antenna Radiation Patterns (Internal Antenna)

External Antenna	2.4GHz	5GHz
Average Antenna Gain	5.0dBi	-
Polariztion	Linear	-
Azimuth Beam-Width	360°	-
Elevation Beam-Width	28°	-
VSWR	1:2.0	-

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Diagram Pattern
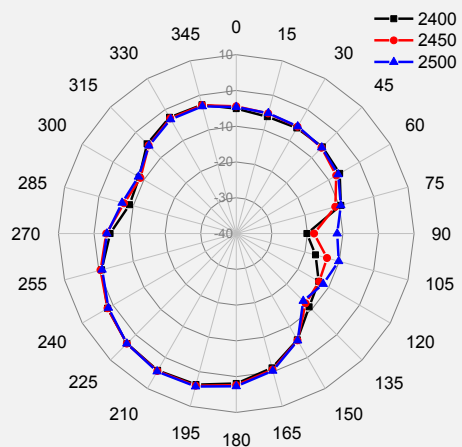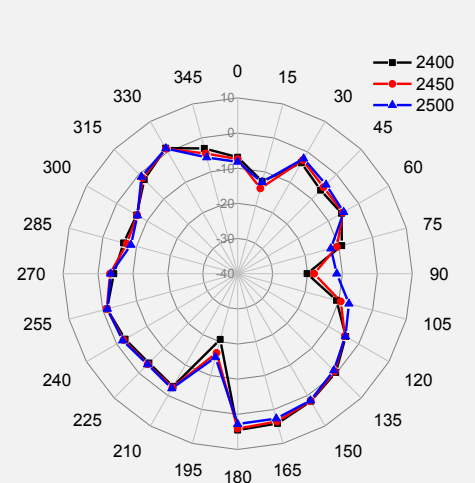
Port1-H Plane

Port1-H Plane

Port2-H Plane

Port2-E Plane

EZ CONTROLLER

Network Management System - EnGenius Zone Controller

In enhancing the real-time functionality of a network, applying the best network management software tool is necessary. Built-in Network Management System, EZ Controller (EnGenius Zone Controller), provides an intelligent tool for IT manager, installer, and network administrators to configure control, and manage all wireless devices within network from one central location. This application ensures the entire network will optimally operate without troubles, glitches and interruptions.

The growing demand of performance related results from service providers or someone involved in an enterprise, you need to provide a huge platform to make it successful. The robust design of EZ Controller can manage different devices simultaneously and precisely, as well as configure the advanced service for wireless clients.

Configure, control and manage EnGenius Enterprise Wireless Devices from one central location.

Features:

Easy-to-use User Interface
Optimize network performance
Eliminate downtime
Check real-time wireless coverage
Monitor and control each sheet
Monitor traffic loads by AP, MAC or IP address

Sequential firmware upgrades to deployed APs / Bridges
Import and archive floorplan maps for radio coverage plotting
Labels assets by MAC and IP address or user-defined aliases
Export real-time AP statistics report

An intelligent solution for different business environment

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