

Key features



- Up to 300Mbps on 2.4GHz and up to 867Mbps on 5GHz
- Band steering shifts dual-band clients to 5GHz improving performance & expanding user capacities
- Enhanced range, multi-floor coverage with up to 26dBm transmit power

EnGenius Neutron EWS350AP 11ac indoor access point is a high-powered dual-band indoor managed wireless access point with expanded capacity and fast 11ac wireless speeds to 867Mbps on 5GHz and to 300Mbps on the 2.4GHz band. It can function as a stand-alone access point or part of a scalable Neutron WLAN management solution. The access point features a high transmit RF power of 26dBm on both frequency bands, ensuring its signals penetrate walls, floors and ceilings with ease.

High-speed performance for today's demanding applications

11ac wireless speeds to 867Mbps on 5GHz & speeds to 300Mbps on the 2.4GHz band support demanding, high bandwidth applications for multiple users.

Achieve a lower Total Cost of Ownership (TCO) per deployment

Enjoy NO access point licensing fees, annual subscriptions or tech support charges; you'll save a tremendous amount of time and cost in network management.

Operate as a stand-alone access point or part of a scalable WLAN management solution

Deploy as a stand alone access point for or as a part of a scalable Neutron WLAN solution managed via a WLAN controller switch or centrally managed via ezMaster software.

Unlimited flexibility and scalability

Scale your network as your needs grow, manage a few or over 1,000 Neutron devices on networks in different locations and 10 - 10,000 concurrent users with or without an on-site controller.

Implement as a Cloud-based*, remote or locally managed platform

EzMaster's flexible deployment options offer greater manageability regardless of network size, location, infrastructure, scale and ISP.

* Feature available Q4 2015

Visibly rich reporting and analytics

EzMaster provides complete network visibility in areas such as traffic flow, demand, network topology and more.

Captive Portal - Corporate branded, regulated, Secure Internet access for customers

Ideal for retail stores, coffee shops, hotels and other organizations that offer Internet access to customers.



Technical specifications

Standard

IEEE 802.11b/g/n on 2.4GHz
IEEE 802.11a/n/ac on 5GHz
IEEE 802.3at

Antenna

Four (4) 5dBi integrated MIMO/sectorized 3D antennas

Physical interface

1* 10/100/1000 Gigabit Ethernet port
1* Reset button
1* Power connector

Physical security

Kensington security slot

LED indicators

1* Power
1* WLAN (Wireless connection)
1* LAN
1* 2.4GHz
1* 5GHz

Power source

External power adapter
DC IN, 12V/2A
PoE: Compatible with 802.3at

Power consumption

18W

Mounting

Ceiling mount
Wall mount

Memory capacity

Memory: 128MB
Flash memory 16MB

Wireless & radio specifications

Dual band

Operation modes

Access point
Transmit power
Up to 26dBi on 2.4GHz & 5GHz
Max transmit power is limited by regulatory power

Radio chains/Spatial streams

2x2:2

Supported data rates (Mbps)

2.4GHz: Max 300
5GHz: Max 867
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)
802.11ac: 6.5 to 867
(MCS0 to MCS9, NSS=1 ~2)

Supported radio technology

802.11b: Direct-Sequence Spread-Spectrum (DSSS)
802.11a/g/n/ac: Orthogonal frequency-division Multiplexing (OFDM)

Channelization

802.11ac with 20/40/80MHz channel width
802.11n with 20/40MHz channel width
802.11a/b/g with 20MHz channel width

Supported modulation

802.11b: BPSK, QPSK, CCK
802.a/g/n: BPSK, QPSK, 16-QAM, 64-QAM
802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM

Management

Multiple BSSID
Supports up to 8 SSIDs per radio

VLAN tagging

Supports 802.1q SSID-to-VLAN tagging
VLAN pass through

QoS

Compliant with IEEE 802.11e standard
WMM

SNMP
v1, v2c, v3

MIB
I/II, private MIB

Management features

Deployment options
Stand alone (Individually managed)
Managed mode (with Neutron-series switch/
ezMaster)

Auto-channel selection

Multiple SSID: 8 SSIDs per frequency band
VLAN Tag/VLAN pass-through
Wireless client list
Guest networks
Mobility: PMKSA support for fast roaming
Firmware upgrade: Web interface or CLI
(FTP/HTTP)
Backup/restore settings
Auto reboot
Client statistics
E-Mail alert

Configuration

Web interface (HTTP)
SNMP v1/v2c/v3
MIB I/II, Private MIB
CLI (Telnet)

Control features

Managed mode (by Neutron switch/ezMaster)
CLI supported
Band steering
Auto reboot

Security

WEP (64/128/152 bit)
WPA/WPA2 enterprise (TKIP/AES/PSK)
Hidden ESSID
MAC address filtering (up to 50 fields)
Guest network

Environmental & physical

Operating: 32°F to 104°F (0°C to 40°C)
Storage: -4°F to 140°F (-20°C to 60 °C)
Humidity (non-condensing)
Operating: (90% or less
Storage: 90% or less

Packaging

EWS350AP device
Weight: 0.8 lbs.
Width: 6.36" (161.5 mm)
Length: 6.36" (161.5 mm)
Height: 1.64" (41.5 mm)

Packaging

Weight: 1.8 lbs.
Width: 9" (228.6 mm)
Length: 12" (304.8 mm)
Height: 3" (76.2 mm)

Master carton

Weight: 25 lbs.
Width: 15.25" (387.3 mm)
Length: 19" (482.6 mm)
Height: 13" (330 mm)

Package contents

EWS350AP dual-band 802.11ac
Indoor access point
12V/2A power adapter
T-Rail mounting kit
Ceiling and wall mount screw kit
Mounting bracket
RJ-45 Ethernet cable
Quick installation guide

Suggested products

EWS2910P 8-Port Gigabit wireless management PoE switch

EWS5912FP 8-Port Gigabit wireless management PoE+ switch

EWS7928P 24-Port Gigabit wireless management PoE+ switch

EWS7928FP 24-Port Gigabit wireless management PoE+ switch

EWS7952FP 48-Port Gigabit wireless management PoE+ switch

No. of product boxes per master carton:

10 Units

Certifications

FCC, CE