



ENH1350EXT

11ac Wave 2 Outdoor Dual-Band Wireless Access Point

Extend your high-speed wireless coverage to the outdoors with the high-powered **ENH1350EXT**, an 11ac Wave 2, MU-MIMO, Dual-Band Wireless AC1300 Outdoor Access Point. Reaching speeds to 867 Mbps on the 5 GHz and 400 Mbps on the 2.4 GHz frequency band, this feature-rich AP leverages advanced Wi-Fi and Beamforming antenna technology, maximizing performance and increasing outdoor or indoor network capacities. The AP is designed to operate in harsh environmental conditions and includes an IP67-rated weatherproof housing.

The ENH1350EXT is easy to install in virtually any location with its included PoE adapter for quick deployment regardless of its proximity to power outlets. The AP is an ideal wireless solution for indoor and outdoor residential and commercial applications.

Features

- Wave 2 MU-MIMO Improves Performance & Expands User Capacities
- IP67-Rated Waterproof & Dustproof Housing Withstands Harsh Environments
- 11ac Dual-Radio Speeds to 867 Mbps on 5 GHz; to 400 Mbps on 2.4 GHz
- Beamforming Optimizes Antenna Signal, Reception & Reliability
- Four (4) External 5dbi High-Gain, 360° SMA-Type Antennas
- Band Steering Optimizes Network Traffic Flow ; Fast Roaming Secures Seamless Connections
- Flexible Operation Modes: AP, Client Bridge or WDS
- Quickly View, Monitor & Reconfigure APs Locally or Remotely with EZ Controller™ Software

Ideal for:

- | | |
|--------------------------|-------------------------------------|
| • Restaurants & Cafes | • Marinas & Docks |
| • Outdoor Living Areas | • Trucking & Transportation Centers |
| • Retail Complexes | • Golf Courses & Regional Parks |
| • Resort Properties | • Ranches & Farms |
| • Campgrounds & RV Parks | • Warehouse Facilities |



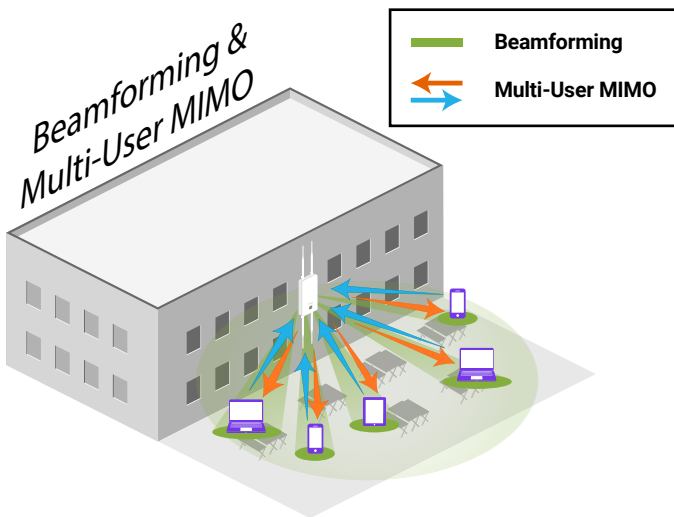
Exceptional Performance in Harsh Outdoor Climates

Designed for peak performance in harsh climates, the ENH1350EXT features an IP67-rated weatherproof and dustproof enclosure ensuring it can withstand harsh outdoor and indoor environments where the temperature is a factor.



Higher Speeds for Multi-User Support

The ENH1350EXT offers the next generation of 11ac Wave 2 speed and performance for wireless access points by increasing speeds and capacities. Support the newest 11ac Wave 2 Multi-User MIMO (MU-MIMO) smartphones, laptops, and other mobile devices with AC1300 network speeds for bandwidth-heavy applications. Multi-MIMO sends multiple streams to several devices simultaneously expanding the total bandwidth and capacity of the network.

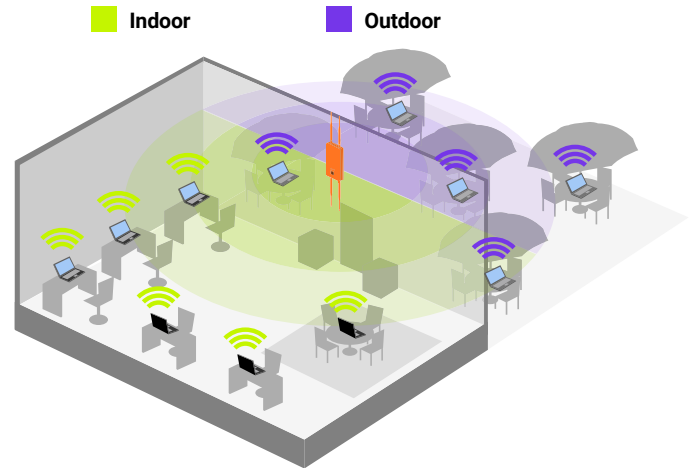


11ac Wave 2: Future Proof, Crowd Proof Networks

The ENH1350EXT allows administrators to utilize the most advanced Wi-Fi technology standard available while supporting the future of mobile technology for their users. The AP handles crowded outdoor client environments through its two spatial, MU-MIMO streams and Beamforming technology, which targets signals directly to devices, providing optimal signal and reception reliability for users.

Powerful Connectivity Indoors and Out

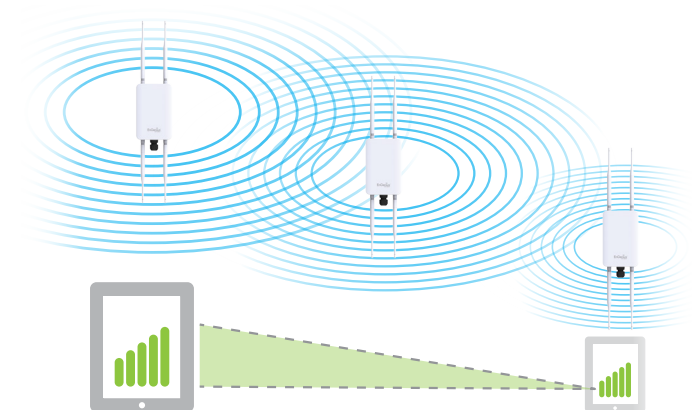
The ENH1350EXT is powerful enough to provide Wi-Fi connectivity approximately 3,000 square feet while its small footprint makes it flexible for both indoor and outdoor use. Place the AP near an exterior wall indoors and blanket both indoor and outdoor living areas with its wireless signal.



Fast Roaming & Secure Guest Network Features Improve the Customer Experience

Configure multiple APs for Fast Roaming (802.11r & 802.11k); ensuring client authentication occurs seamlessly before client devices move to the next AP, providing continuous connectivity for devices in motion with fast, secure roaming.

Establish Guest Networks to limit Internet resources for visitors while securing the network from sophisticated Trojans and malware that can use guest's mobile devices to attack the network.



Product Specifications

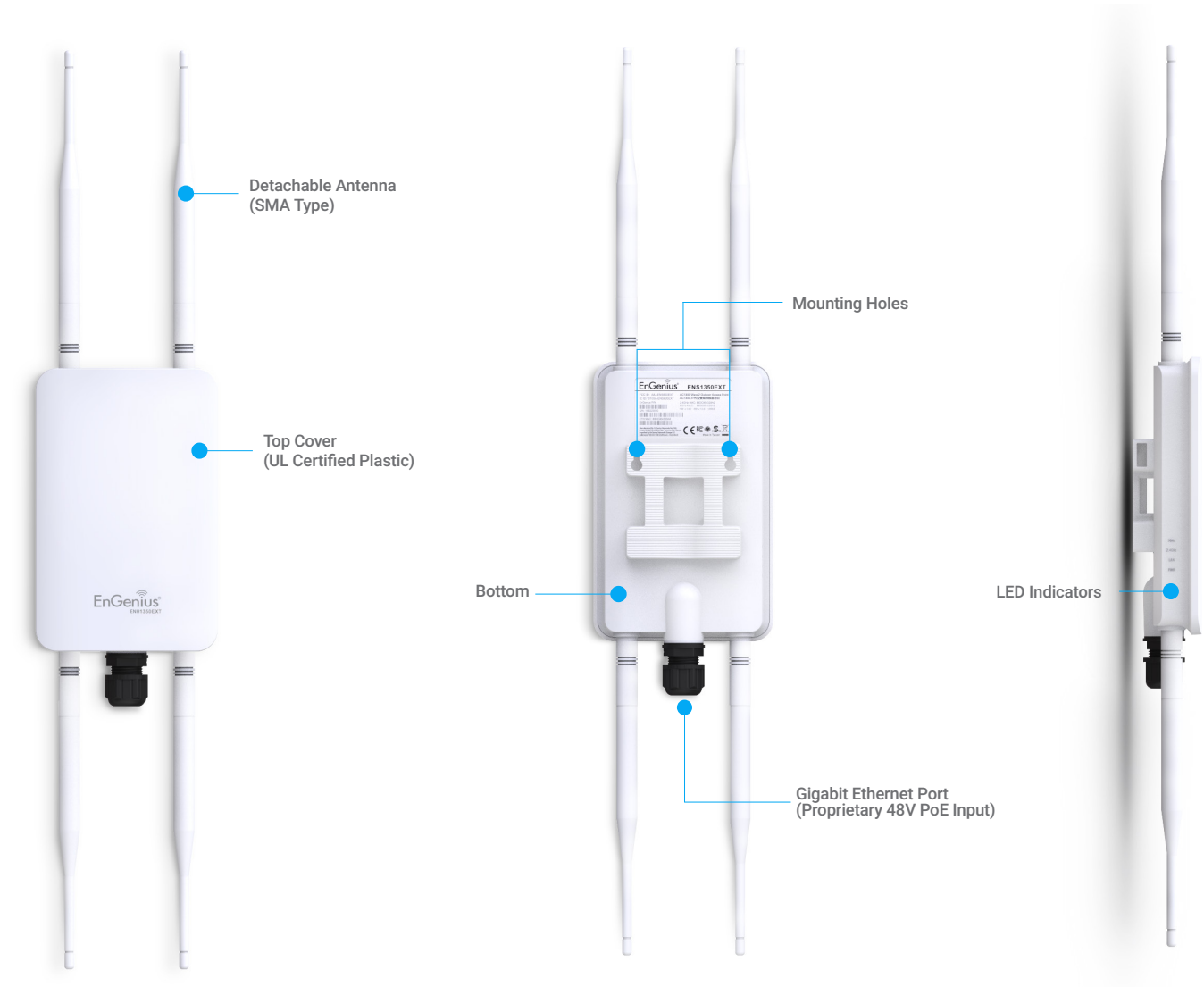
Technical Specifications	Tx Beamforming (TxBF)	QoS (Quality of Service) Continued
Standards		Band Steering
IEEE 802.11b/g/n on 2.4 GHz	Radio Chains/Spatial Stream	RSSI Threshold
IEEE802.11a/n/ac on 5 GHz	2x2:2	Traffic Shaping
		Save Configuration as Default
Antenna	SU-MIMO	Auto-Transmit Power
Four (4) External 5 dBi Dual-Concurrent Omni-Directional Antennas	Two (2) Spatial Stream SU-MIMO up to 1267 Mbps to a single client	Auto-Channel Selection
SMA-Type		Site Survey
	MU-MIMO	PMK Caching
Physical Interface		
1 x 10/100/1000 Gigabit Ethernet Port	Two (2) Spatial Stream MU-MIMO up to 1267 Mbps to two (2) MU-MIMO capable wireless devices simultaneously	Distance Control (ACK Timeout)
1 x Reset Button		Multicast Supported
	Supported Data Rates (Mbps):	Fast Roaming
LED Indicators	2.4 GHz: Max 400	Email Alerts
1 x Power	5 GHz: Max 867	Wi-Fi Scheduler
1 x LAN 1	802.11b: 1, 2, 5.5, 11	Client Traffic Status
1 x 2.4 GHz	802.11a/g: 6, 9, 12, 18, 36, 48, 54	Guest Network
1 x 5 GHz	802.11n: 6.5 to 400 Mbps (MCS0 to MCS15)	RADIUS Accounting
	802.11ac: 6.5 to 867 Mbps (MCS0 to MCS9, NSS = 1 to 2)	Power Save Mode (U-APSD Support)
Power Source		CLI Support
Power-over-Ethernet: Proprietary 48V PoE	Supported Radio Technologies	
IEEE 802.11e Compliant Source	802.11b: Direct-Sequence Spread Spectrum (DSSS)	SNMP
Active Ethernet (PoE)	802.11a/g/n/ac: Orthogonal Frequency-Division Multiplexing (OFDM)	v1, v2c, v3
	802.11n/ac: 2x2 MIMO with 2 Streams	MIB
Maximum Power Consumption		I/II, Private MIB
12.6W	Channelization	
	802.11ac supports very high throughput (VHT)—VHT 20/40/80 MHz	Wireless Security
Surge Protection	802.11n supports high throughput (HT)—HT 20/40 MHz	WEP Encryption 64/128/152 bit
1KV	802.11n supports very high throughput (VHT) under the 2.4 GHz radio—VHT (256-QAM)	WPA/WPA2 Enterprise (WPA-EAP using TKIP or AES)
ESD Protection	802.11n/ac packet aggregation: AMPDU, ASPDU	Hide SSID in Beacons
Contact: 4KV		MAC Address Filtering, Up to 64 MACs per SSID
Air: 8 KV	Supported Modulation	Wireless STA (Client) Connected List
	802.11b: BPSK, QPSK, CCK	Https
Wireless & Radio Specifications	802.11a/g/n: BPSK, QPSK, 16-QAM, 64-QAM	SSH
Operating Frequency	802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM	Client Isolation
Dual-Radio Concurrent 2.4 GHz & 5 GHz		
	Management	Environment & Physical
Operation Modes	Multiple BSSID	Temperature Range
Access Point Mode (AP mode)	Supports 16 SSIDs (8 SSIDs per band)	Operating: -4°~140°F/-20°C~60°C
Client Bridge Mode (CB mode)		Storage: -22°F~176°F/-40°C~80°C
WDS: AP Mode and Bridge Mode	VLAN Tagging	
Mesh Mode (Coming Soon)	Supports 802.1q SSID-to-VLAN Tagging	Humidity (non-condensing)
	Cross-Band VLAN Pass-Through	Operating: 90% or less
Frequency Radio	Management VLAN	Storage: 90% or less
2.4 GHz: 2400 MHz ~ 2835 MHz		
5 GHz: 5150 MHz ~ 5250 MHz, 5250 MHz ~ 5350 MHz, 5470 MHz ~ 5725 MHz, 5725 MHz ~ 5850 MHz	QoS (Quality of Service)	Weatherproof
	Complaint with IEEE 802.11e Standard	IP67-Rated Enclosure
Transmit Power		
2.4 GHz: 23 dBm		Dimensions & Weights
5 GHz: 23 dBm		ENH1350EXT Device
		Weight: 0.65 lbs (295 g)
		Width: 4.37" (111.2 mm)
		Length: 6.83" (173.6 mm)
		Height* 1.19" (30.29 mm)

Product Specifications continued

Package Contents
1-ENH1350EXT Dual-Band AC1300 Outdoor Access Point
1-PoE Adapter (EPA5006GR)
2-Pole Mounting Brackets
1-Wall-Mount Screw Set
2-2.4 GHz 5dbi SMA Antennas
2-5 GHz 5dbi SMA Antennas
1-Power Cord
Quick Installation Guide

Certifications
FCC, CE
Warranty:
1 Year

ENH1350EXT Outdoor Access Point



Maximum data rates are based on IEEE 802.11 standards. Actual throughput and range may vary depending on distance between devices or traffic and bandwidth load in the network. Features and specifications subject to change without notice. Trademarks and registered trademarks are the property of their respective owners. For United States of America: Copyright ©2018 EnGenius Technologies, Inc. All rights reserved.

EnGenius Technologies | 1580 Scenic Ave. Costa Mesa, CA 92626

Email: partners@engeniustech.com | Website: engeniustech.com

Version 1.02 06/26/2018

Features and specifications subject to change without notice. Trademarks and registered trademarks are the property of their respective owners. For United States of America: Copyright © 2018 EnGenius Technologies, Inc. All rights reserved.