



11ac Wave 2 Outdoor Dual-Band Wireless Access Point

Extend your high-speed wireless coverage to the outdoors with the high-powered **ENS620EXT**, 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 IP55-rated weatherproof housing.

The ENS620EXT 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
- IP55-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
- Outdoor Living Areas
- Retail Complexes
- Resort Properties
- Campgrounds & RV Parks
- Marinas & Docks
- Trucking & Transportation Centers
- Golf Courses & Regional Parks
- Ranches & Farms
- Warehouse Facilities



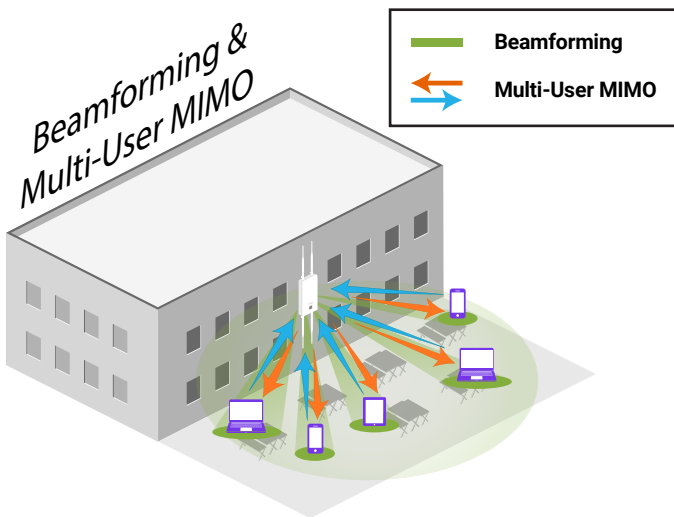
Exceptional Performance in Harsh Outdoor Climates

Designed for peak performance in harsh climates, the ENS620EXT features an IP55-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 ENS620EXT 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.

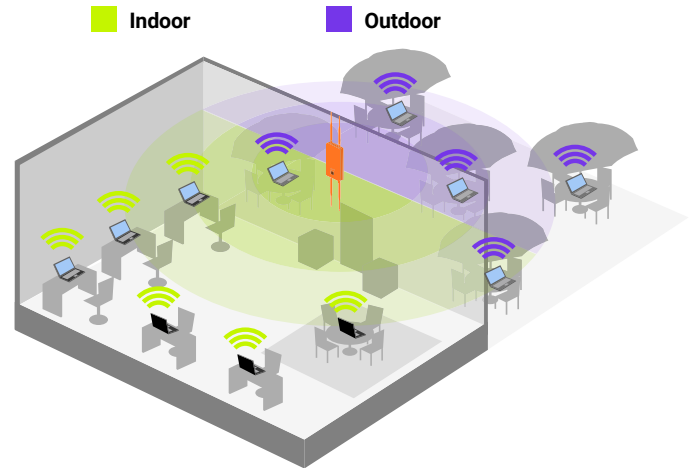


11ac Wave 2: Future Proof, Crowd Proof Networks

The ENS620EXT 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

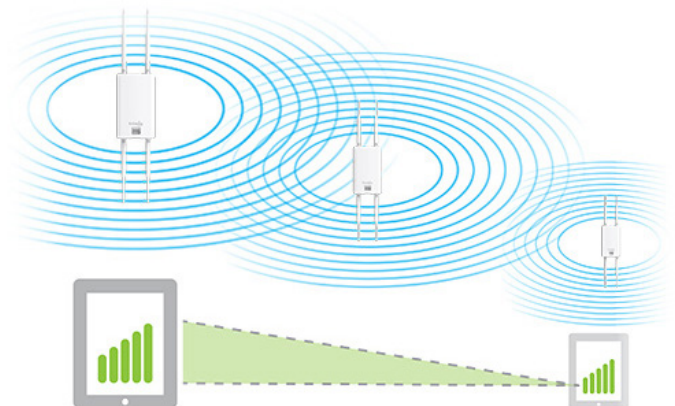
The ENS620EXT is powerful enough to provide Wi-Fi connectivity approximately 3,000 square feet while its small footprint makes it flexible for both indoor and outdoor use. Place the AP near an exterior wall indoors and blanket both indoor and outdoor living areas with its wireless signal.



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	Radio Chains/Spatial Stream	Band Steering
IEEE 802.11b/g/n on 2.4 GHz	2x2:2	RSSI Threshold
IEEE802.11a/n/ac on 5 GHz		Traffic Shaping
		Save Configuration as Default
		Auto-Transmit Power
		Auto-Channel Selection
		Site Survey
		PMK Caching
Antenna	SU-MIMO	Distance Control (ACK Timeout)
Four (4) External 5 dBi Dual-Concurrent Omni-Directional Antennas	Two (2) Spatial Stream SU-MIMO up to 1267 Mbps to a single client	Multicast Supported
SMA-Type		Fast Roaming
		Email Alerts
		Wi-Fi Scheduler
		Client Traffic Status
		Guest Network
		RADIUS Accounting
		Power Save Mode (U-APSD Support)
		CLI Support
Physical Interface	MU-MIMO	SNMP
2 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	v1, v2c, v3
1 x Reset Button		MIB
		I/II, Private MIB
		Wireless Security
		WEP Encryption 64/128/152 bit
		WPA/WPA2 Enterprise (WPA-EAP using TKIP or AES)
		Hide SSID in Beacons
		MAC Address Filtering, Up to 64 MACs per SSID
		Wireless STA (Client) Connected List
		Https
		SSH
		Client Isolation
		Environment & Physical
		Temperature Range
		Operating: -4°~140°F/-20°C~60°C
		Storage: -22°F~-176°F/-40°C~80°C
		Humidity (non-condensing)
		Operating: 90% or less
		Storage: 90% or less
		Weatherproof
		IP55-Rated Enclosure
		Dimensions & Weights
		ENs620EXT Device
		Weight: 1.11 lbs (504 g)
		Width: 7.54" (191.6 mm)
		Length: 4.49" (114.3 mm)
		Height* 1.88" (47.7 mm)
LED Indicators	Supported Data Rates (Mbps):	
1 x Power	2.4 GHz: Max 400	
1 x LAN 1	5 GHz: Max 867	
1 x 2.4 GHz	802.11b: 1, 2, 5.5, 11	
1 x 5 GHz	802.11a/g: 6, 9, 12, 18, 36, 48, 54	
	802.11n: 6.5 to 400 Mbps (MCS0 to MCS15)	
	802.11ac: 6.5 to 867 Mbps (MCS0 to MCS9, NSS = 1 to 2)	
	Supported Radio Technologies	
	802.11b: Direct-Sequence Spread Spectrum (DSSS)	
	802.11a/g/n/ac: Orthogonal Frequency-Division Multiplexing (OFDM)	
	802.11n/ac: 2x2 MIMO with 2 Streams	
	Channelization	
	802.11ac supports very high throughput (VHT)—VHT 20/40/80 MHz	
	802.11n supports high throughput (HT)—HT 20/40 MHz	
	802.11n supports very high throughput (VHT) under the 2.4 GHz radio—VHT (256-QAM)	
	802.11n/ac packet aggregation: AMPDU, ASPDU	
	Supported Modulation	
	802.11b: BPSK, QPSK, CCK	
	802.11a/g/n: BPSK, QPSK, 16-QAM, 64-QAM	
	802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM	
	Management	
	Multiple BSSID	
	Supports 16 SSIDs (8 SSIDs per band)	
	VLAN Tagging	
	Supports 802.1q SSID-to-VLAN Tagging	
	Cross-Band VLAN Pass-Through	
	Management VLAN	
	QoS (Quality of Service)	
	Complaint with IEEE 802.11e Standard	
Power Source		
Power-over-Ethernet: Proprietary 24V PoE		
IEEE 802.11e Compliant Source		
Active Ethernet (PoE)		
Maximum Power Consumption		
15W		
Surge Protection		
Line to Line = 1kv		
ESD Protection		
Contact: 4KV		
Air: 8 KV		
Wireless & Radio Specifications		
Operating Frequency		
Dual-Radio Concurrent 2.4 GHz & 5 GHz		
Operation Modes		
Access Point Mode (AP mode)		
Client Bridge Mode (CB mode)		
WDS: AP Mode and Bridge Mode		
Frequency Radio		
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		
Transmit Power		
2.4 GHz: 27 dBm		
5 GHz: 27 dBm		

Product Specifications continued

Package Contents

1-ENS620EXT Dual-Band AC1300
Outdoor Access Point

1-PoE Adapter (EPA2410GP)

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

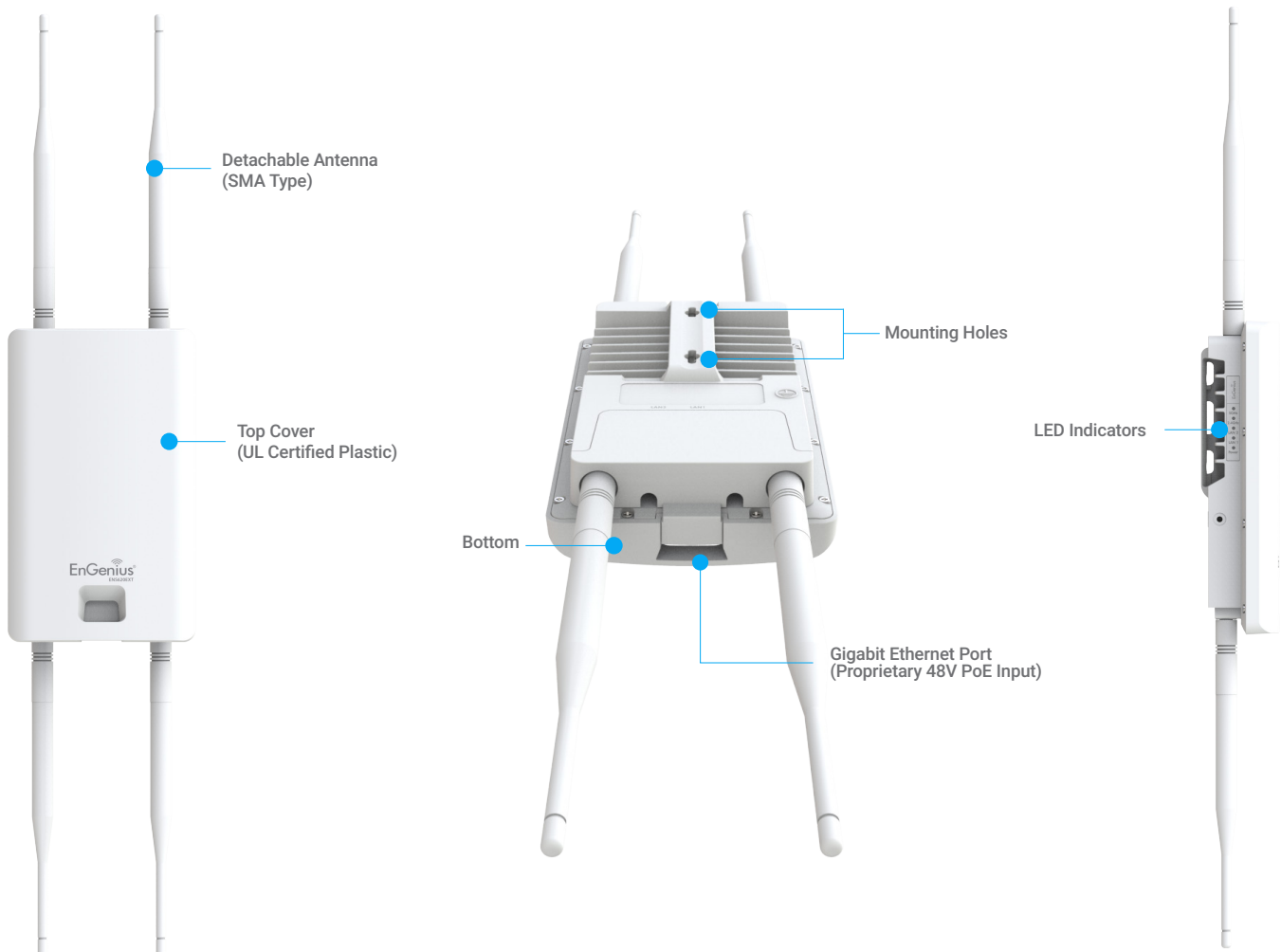
Certifications

FCC, CE

Warranty:

1 Year

ENS620EXT 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.

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