



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 Power-over-Ethernet (PoE) injector 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
- > GigE PoE-Compatible Port for Easy Placement Where Power Outlets are Scarce
- > Four (4) External 5dbi High-Gain, 360° SMA-Type Antennas
- > Combine GigE Ports via Link Aggregation for Maximum AP Bandwidth Capacity
- > 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

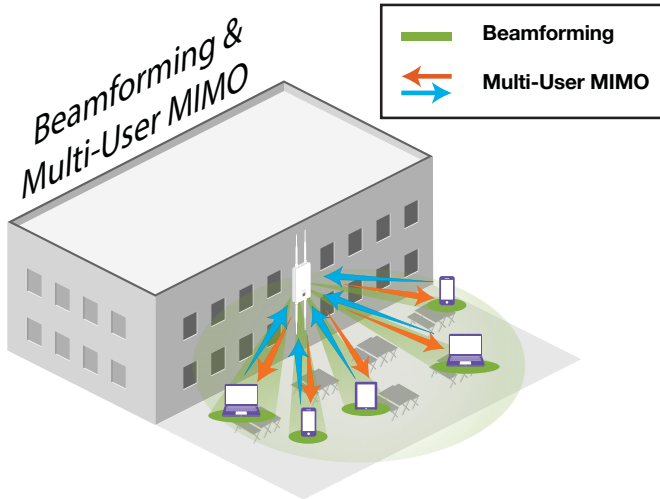
Ideal for:

- > 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



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.

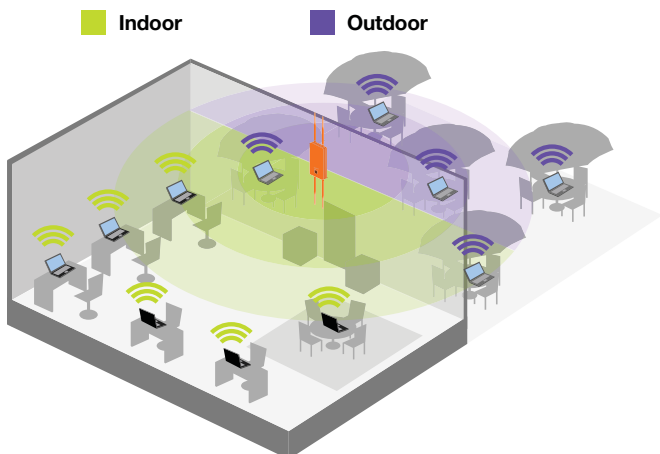


11ac Wave 2: Future Proof, Crowd Proof Networks

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.



Exceptional Performance in Harsh Outdoor Climates

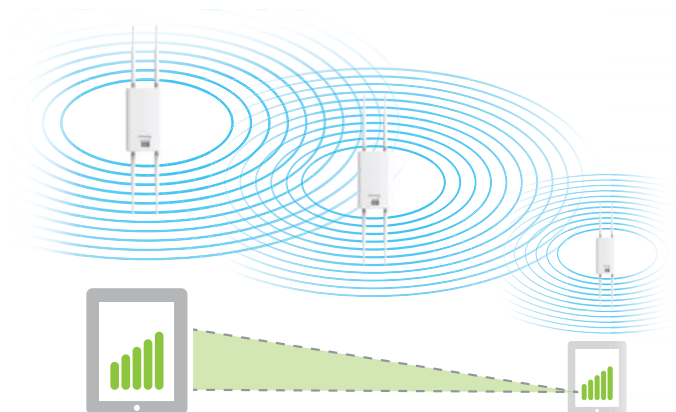
Designed for peak performance in harsh climates, the ENS620EXT features an IP55-rated weatherproof and dustproof enclosure ensuring it can withstand harsh outdoor and indoor environments where the temperature is a factor.



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			
Standards			
IEEE 802.11b/g/n on 2.4 GHz			
IEEE802.11a/n/ac on 5 GHz			
Antenna			
Four (4) External 5 dBi Dual-Concurrent Omni-Directional Antennas			
SMA-Type			
Physical Interface			
2 x 10/100/1000 Gigabit Ethernet Ports (Link Aggregation achieves 2 Gbps Throughput)			
1 x Reset Button			
LED Indicators			
1 x Power			
1 x LAN 1			
1 x LAN 2			
1 x 2.4 GHz			
1 x 5 GHz			
Power Source			
Power-over-Ethernet: Proprietary 24V PoE			
IEEE 802.11e Compliant Source			
Active Ethernet (PoE)			
Maximum Power Consumption			
15W			
Surge Protection			
2KV			
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: WDS AP, WDS Bridge, WDS Station			
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			
Tx Beamforming (TxBF)			
Radio Chains/Spatial Stream			
2x2:2			
SU-MIMO			
Two (2) Spatial Stream SU-MIMO up to 1267 Mbps to a single client			
MU-MIMO			
Two (2) Spatial Stream MU-MIMO up to 1267 Mbps to two (2) MU-MIMO capable wireless devices simultaneously			
Supported Data Rates (Mbps):			
2.4 GHz: Max 400			
5 GHz: Max 867			
802.11b: 1, 2, 5.5, 11			
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)			
Compliant with IEEE 802.11e Standard			
Band Steering			
RSSI Threshold			
Traffic Shaping			
Save Configuration as Default			
Auto-Transmit Power			
Auto-Channel Selection			
Site Survey			
PMK Caching			
PMK Caching			
Distance Control (ACK Timeout)			
Multicast Supported			
Fast Roaming (802.11k & 802.11r)			
Email Alerts			
Wi-Fi Scheduler			
Client Traffic Status			
Guest Network			
RADIUS Accounting (802.1x)			
Power Save Mode (U-APSD Support)			
CLI Support			
SNMP			
v1, v2c, v3			
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/-30°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)			

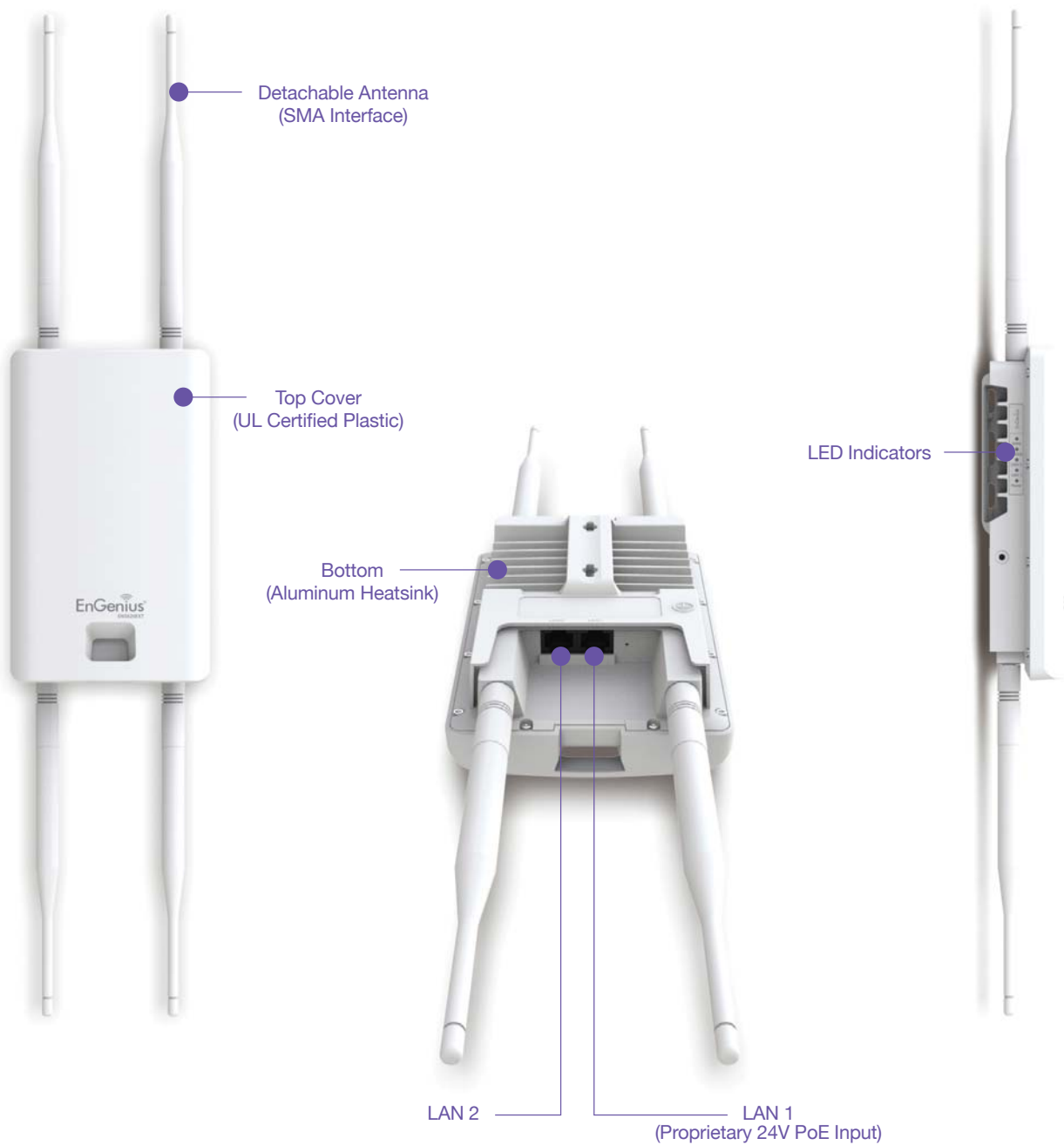
Specifications continued

Package Contents
ENS620EXT Outdoor Access Point
Power Adapter (48V/0.8A)
PoE Adapter (EPA2410GP)
Pole Mounting Brackets
Wall-Mount Screw Set
RJ-45 Ethernet Cable
Quick Installation Guide

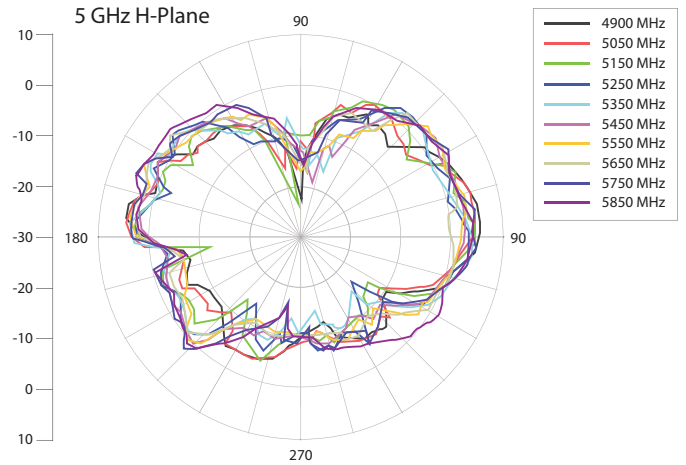
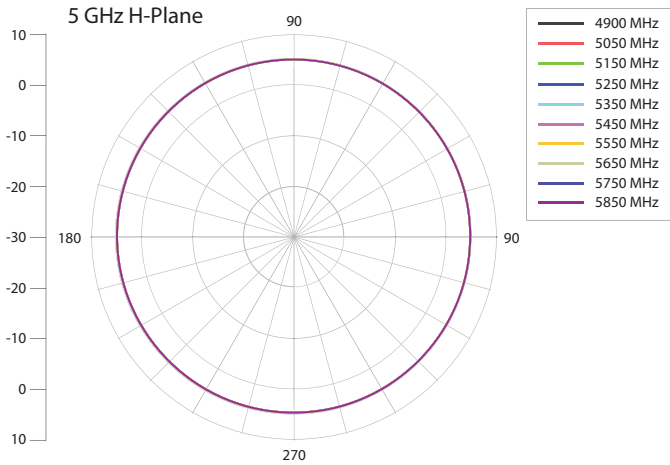
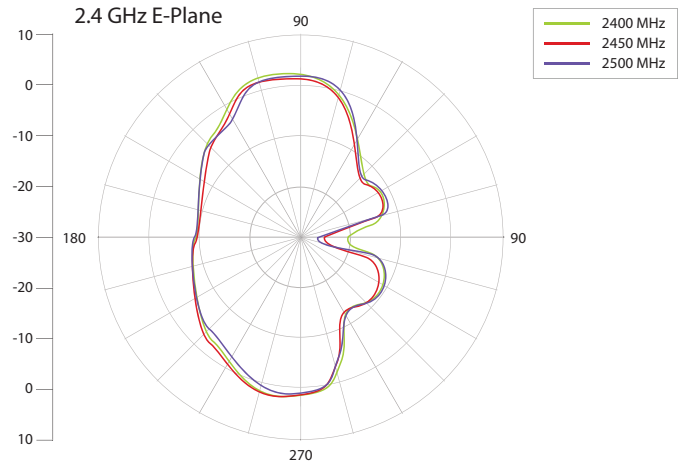
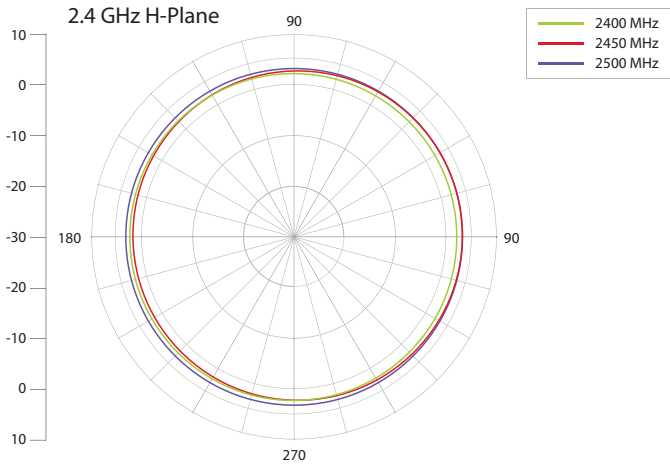
Certifications
FCC, CE

Warranty:
1 Year

ENS620EXT Outdoor Access Point



Antenna Radiation Patterns



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