Long-range 5 GHz Wireless N300 Outdoor Access Point

Expand your company's wireless network bandwidth and avoid congested 2.4 GHz traffic.

Includes PoE injector kit for versatile installation

The EnGenius ENS500EXT is a high-powered, long-range Wireless N300 Outdoor Access Point delivering data rates up to 300Mbps that operates on the 5GHz band so it avoids the congested wireless traffic from devices on the more commonly used 2.4 GHz frequency band. This makes the ENS500EXT an ideal solution for point-to-multipoint connectivity to 5 GHz wireless client bridges (for example, EnGenius ENS500) and connected IP security cameras in parking lots or garages, or for sending data to outdoor digital signage. It's also ideal for providing connectivity to a small business network and its Internet connection for restaurant patrons, or for students and employees in educational or corporate campus venues who have 5 GHz-capable devices such as iPads, tablet PCs or laptop computers with embedded dual-band Wi-Fi radios.

ENS500EXT is compliant with the IEEE802.11a/n standards delivering a wireless data rate of up to 300Mbps on the 5 GHz frequency spectrum. It features two omni-directional 5 dBi MIMO (Multiple In/Multiple Out) antennas that coupled with its strong transmit power of up to 400mW make it a compelling performance solution for small and growing businesses at a very affordable price.

ENS500EXT also features a robust security feature set that includes support for WPA/WPA2 Personal and Enterprise encryption, 802.1x RADIUS authentication, hidden SSID and MAC address filtering.

ENS500EXT has an IP65 rated weatherproof housing that ensures continued operation in harsh outdoor environments or in climates of extreme cold, heat or continuous moisture.

Key Features

+ 400mW high transmit power enabling long range connectivity
+ Designed for outdoor deployment with IP65 waterproof housing
+ Supports IEEE802.11a/n wireless standards with up to 300 Mbps data rate
+ Two detachable 5 dBi omni-directional MIMO antennas
+ Signal strength LED indicators, pole mount kit, PoE kit provide easy installation
+ Can be monitored after deployment with EnGenius EZ Controller™ software for Windows

www.engeniustech.com

Hardware
RF: 5 GHz Frequency Band
Memory: 64MB
Flash: 16MB

Antenna
External/detachable 5 dBi Omni-directional Antennas

Physical Interface
2 x RJ-45 Fast Ethernet (10/100 Mbps)
1 x Reset Button

Power Requirements
- Active Ethernet (Power-over-Ethernet)
- Proprietary PoE design
- Power Adapter (United States) 24V / 0.6A

RF Specification
Frequency Band
5 GHz
IEEE 802.11a/n

Data rate
Up to 300 Mbps

Software
Operation Modes
Access Point / Client Bridge / Client Router / WDS

Wireless/Network
Auto Channel Selection
Distance Control (802.1x Ack timeout)
CLI (Command Line Interface) Supported
802.1x RADIUS Supplicant (CB Mode)
Multiple SSID (4 SSID), BSSID
WDS AP / WDS Bridge / WDS Station
Multicast Supported
VLAN Tagging / VLAN Pass-through
Auto Reboot
Wi-Fi Scheduling

Security
WPA/WPA2 Personal (WPA-PSK using TKIP or AES)
WPA/WPA2 Enterprise (WPA-EAP using TKIP)
Hide SSID in beacons
MAC address filtering, up to 50 field
Wireless STA (Client) connected list

QoS (Quality of Service)
WMM (Wireless Multimedia)

ENVIRONMENT & MECHANICAL
Temperature Range
Operating -20℃~70℃ / -4°F~158°F
Storage -30℃ to 80℃ / -22°F to 176°F
Humidity (non-condensing)
0% ~ 90% typical

Weights & Measures
ENS500EXT Device
Weight:	0.7 lbs.
Width:	3.9"
Length:	7.3"
Height:	1.14"

Packaging
Weight:	1.56 lbs.
Width:	2.8"
Length:	12.2"
Height:	9.2"

Package Contents
- ENS500EXT Access Point
- Power Adapter
- PoE Injector (EPE1212)
- Pole Mount set
- Screw Set
- Quick Start Guide
- Technical Support Card

Ethernet Port
PoE Port
LAN Port
Power Connector
PoE Port