**Technical Specifications**

Standards

IEEE 802.11b/g/n on 2.4 GHz  
IEEE 802.11a/n/ac on 5 GHz  
IEEE 802.1r  
IEEE 802.1k  
IEEE 802.11x

Processor

Qualcomm® 717 MHz Quad-Core CPU  
4x ARM Cortex A7

Memory Capacity

Memory: 256 MB  
Flash Memory 32 MB

Antenna

4 x 5dBi External Detachable SMA Omni-Directional Antennas

Physical Interface

2 x 10/100/1000 Gigabit Ethernet Ports  
– LAN1  
– LAN2  
1 x Reset Button

LED Indicators

1 x Power  
WLAN (Wireless Connection)  
2.4 GHz  
5 GHz  
2 x LAN

Power Source

PoE Injector (EPA2410GP)  
INPUT: 100-240VAC, 0.7A, 50-60Hz  
OUTPUT: 24V, 1A  
Power-over-Ethernet: 24V Proprietary PoE  
IEEE 802.11e Compliant Source  
Active Ethernet (PoE)​

Mounting

Wall Mount  
Pole Mount

Surge Protection

Line to Line: 1 KV  
Line to Ground: 2KV

ESD Protection

Contact: 4KV  
Air: 8 KV

Ingress Protection Marking

IP55-Rated Waterproof/Dustproof Enclosure

**Wireless & Radio Specifications**

Operating Frequency

Dual-Radio Concurrent 2.4GHz & 5GHz

Operation Modes

Access Point Mode (AP mode)  
Client Bridge Mode (CB Mode)  
WDS: WDS AP, WDS Bridge, WDS Station

Frequency Radio

2.4GHz: 2400 MHz ~ 2835 MHz  
5GHz: 5150 MHz ~ 5250 MHz, 5250 MHz ~ 5350 MHz, 5470 MHz ~ 5725 MHz, 5725MHz ~ 5850MHz

Transmit Power

Up to 27 dBi on 2.4 GHz  
Up to 27 dBi on 5 GHz  
Max transmit power is limited by regulatory power

Radio Chains/Spatial Streams

11ac Wave2 2 x 2:2

Tx Beamforming (TxBF)

SU-MIMO

5GHz – Two (2) Spatial Streams SU-MIMO up to 1267 Mbps to a single client

MU-MIMO

5GHz – Two (2) Spatial Streams MU-MIMO for up to 1267Mbps 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  
802.11g: 6, 9, 12, 18, 24, 36, 48, 54  
802.11n: 6.5 to 400 (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 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 Features**

Multiple BSSID

Supports up to 16 SSIDs, 8 SSIDs per radio

VLAN Tagging

Supports 802.1q SSID-to-VLAN tagging  
Cross-band VLAN Pass Through  
Management VLAN

Spanning Tree

Supports 802.1d Spanning Tree Protocol

QoS

Compliant with IEEE 802.11e Standard  
WMM

SNMP

v1, v2c, v3

MIB

I/II, Private MIB

Deployment Options

Stand-Alone (Individually Managed)  
Managed Mode (w/ezMaster/Neutron Series Switch)

Stand-Alone Management Features

Auto Channel Selection  
Auto Transmit Power  
Wireless STA (Client) Connected List  
Guest Network  
Fast Roaming (802.11k & 802.11r)  
Pre-Authentication (802.11i, 802.11x)  
PMK Caching (802.11i)  
RSSI Threshold  
Traffic Shaping  
VLANs for Access Point – Multiple SSIDs  
Backup/Restore Settings  
Auto Reboot  
E-Mail Alert  
Site Survey  
Save Configuration as Users Default

Control Features

Managed Mode (w/ezMaster/Neutron Switch)  
Distance Control (ACK Timeout)  
Multicast Supported  
Wi-Fi Scheduler  
Client Traffic Status  
RADIUS Accounting  
Power Save Mode (U-APSD Support)  
CLI Support  
HTTPS

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 32 MACs per SSID  
Wireless STA (Client) Connected List  
SSH Tunnel  
Client Isolation

Wireless Management Features (w/ezMaster/Neutron Switch)

AP Auto Discovery and Provisioning  
AP Auto IP Assignment  
AP Group Management  
Auto AP Rebooting  
AP Device Name Editing  
AP Radio Settings  
Traffic Shaping  
Fast Roaming (802.11k & 802.11r)  
Pre-Authentication (802.11i, 802.11x)  
PMK Caching (802.11i)  
RSSI Threshold  
AP Client Limiting  
Client Fingerprinting  
AP VLAN Management  
VLANs for AP – Multiple SSIDs  
Secured Guest Network  
Access Point Status Monitoring  
Wireless Client Monitoring  
Email Alert  
Wireless Traffic & Usage Statistics  
Real-time Throughput Monitoring  
Visual Topology View  
Floor Plan View  
Map View  
Wireless Coverage Display  
Secure Control Messaging (SSL Certificate)  
Local MAC Address Database  
Remote MAC Address Database (RADIUS)  
Unified Configuration Import/Export  
Bulk Firmware Upgrade Capability  
Intelligent Diagnostics  
Kick/Ban Clients  
Wi-Fi Scheduler

**Environmental & Physical**

Temperature Range

Operating: -4°F to 140°F, -20°C to 60°C  
Storage: -22°F to 176°F, -30°C to 80 °C

Humidity (Non-condensing):

Operating: 90% or less  
Storage: 90% or less

**Dimensions & Weight**

ENS620EXT Device

Weight: 1.11 lbs. (507 g)  
Width: 7.54” (191.6 mm)  
Length: 4.49” (114.3 mm)  
Height” 1.88” (47.7 mm)

Package Contents

– ENS620EXT 11ac Wave 2 Outdoor AP  
– PoE Injector (EPA2410GP)  
– Pole Mount Ring  
– Mounting Screw Set  
– RJ-45 Ethernet Cable  
– Quick Installation Guide  
– 2 – 2.4GHz 5dBi SMA Antennas  
– 2 – 5GHz 5dBi SMA Antennas

Certifications

FCC  
IC