**Technical Specifications**

Standards

IEEE 802.11b/g/n on 2.4 GHz  
IEEE 802.11a/n/ac on 5 GHz  
IEEE 802.3at  
IEEE 802.11r  
IEEE 802.11k  
IEEE 802.11i  
IEEE 802.11x

Antenna

Internal Omni-Directional Antennas  
3 dBi on 2.4 GHz & 5 GHz

Physical Interface

2 x 10/100/1000 Gigabit Ethernet Ports  
(Link Aggregation achieves 2Gbps Throughput)  
– LAN1: Supports 802.3at PoE Input  
– LAN2: Data Pass Through  
1 x Reset Button  
1 x Power Connector

Physical Security

Kensington Security Slot

LED Indicators

1 x Power  
2 x WLAN (Wireless Connection)  
2 x LAN (2.4GHz & 5GHz)  
Power Source  
External Power Adapter  
DC IN, 12V/ 2A  
IEEE 802.3at Compliant Source  
Active Ethernet (PoE)

Redundant 2nd LAN Port Power

Mounting

Ceiling Mount  
Wall Mount

**Wireless & Radio Specifications**

Operating Frequency

Dual-Radio Concurrent 2.4GHz & 5GHz

Operation Modes

Access Point

Frequency Radio

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

Peak Power

Up to 21W

Transmit Power

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

Tx Beamforming (TxBF)

Radio Chains/Spatial Streams  
4×4:4

SU-MIMO

Four (4) Spatial Stream SU-MIMO up to 1733 Mbps to a single client

MU-MIMO

Three (3) Spatial Stream MU-MIMO up to 1300 Mbps to three (3) MU-MIMO capable wireless devices simultaneously

Supported Data Rates (Mbps)

2.4 GHz: Max 800  
5 GHz: Max 1733  
802.11b: 1, 2, 5.5, 11  
802.11g: 6, 9, 12, 18, 24, 36, 48, 54  
802.11n: 6.5 to 600 (MCS0 to MCS23)  
802.11ac: 6.5 to 1733 (MCS0 to MCS9, NSS=1~4)

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 20/60/80 MHz channel width  
802.11n supports high throughput (HT) – HT 20/40 MHZ channel width  
802.11n supports very high throughput under the 2.4 GHz radio – VHT 40 MHz (256-QAM)  
802.11n/ac packet aggregation: AMPDU, ASPDU

Supported Modulation

802.11b: BPSK, QPSK, CCK  
802.a/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  
VLAN Pass-through

Spanning Tree

QoS  
Compliant with IEEE 802.11e Standard  
WMM

SNMP

v1, v2c, v3

MIB

I/II, Private MIB

Deployment Options

Standalone (Individually Managed)  
Managed Mode (with Neutron Series Switch/ezMaster)

Wireless Management Features

(with ezMaster & Neutron Switch)  
AP Auto Discovery and Provisioning  
AP Auto IP Assignment  
AP Cluster Management  
Remote AP Rebooting  
AP Device Name Editing  
AP Radio Settings  
Band Steering  
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  
Captive Portal  
Access Point Status Monitoring  
Rogue AP Detection  
Wireless Client Monitoring  
Background Scanning  
Auto Transmit Power  
Auto Channel  
Email Alert  
Wireless Traffic & Usage Statistics  
Real-time Throughput Monitoring  
SmartSync Redundancy  
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  
One-Click Update  
Intelligent Diagnostics  
Kick/Ban Clients  
Wi-Fi Scheduler  
Traffic Shaping

Configuration

Web Interface (HTTP)  
CLI (Telnet)

Control Features

Managed Mode (by Neutron Switch/ezMaster)  
Auto Reboot  
One-Click Firmware Upgrade  
Firmware Upgrade: Web interface or CLI (FTP/HTTP)

Security

WPA/WPA2 Enterprise (WPA-EAP using TKIP or AES)  
Hide SSID in beacons  
MAC Address Filtering, up to 64 MACS per SSID  
Https Support  
SSH Support  
Client Isolation  
L2 Isolation

**Environmental & Physical**

Temperature Range

Operating: 32°F to 122°F, 0°C to 50°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**

EWS375AP Device

Weight: 3.7 lbs.  
Width: 8.46″ (215 mm)  
Length: 8.46″ (215 mm)  
Height: 2.2″ (55.88 mm)

Packaging

Weight: 5.07 lbs. (2.29 kg)  
Width: 10.4″ (266 mm)  
Length: 12.87″ (327 mm)  
Height: 4.46″ (116 mm)

Package Contents

1 – EWS375AP 11ac Outdoor AP  
1 – 12V/ 2A Power Adapter  
1 – Ceiling Mounting Bracket Set  
1 – T-Rail Mounting Kits  
1 – Wall Mounting Screw Set  
1 – Quick Installation Guide

Certifications

FCC  
IC