**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