ECW260

Cloud Managed Wi-Fi 6 2×2 Outdoor Access Point

Dual-Band 11ax reaches speeds of 1,200 Mbps on 5GHz and 574 Mbps on 2.4GHz band

Product Highlights

EnGenius Cloud Managed ECW260 Outdoor Wi-Fi 6, 2x2, IP67, MU-MIMO Dual-Band Access Point reaches speeds of 1,200 Mbps on 5GHz and 574 Mbps on 2.4GHz band. This top-of-the-line cloud-managed AP features the latest in rugged weatherproofing and Wi-Fi 6 technology with guaranteed top-notch performance and reliability in the harshest environments.

Features & Benefits

- Dual concurrent 802.11ax & backward-compatible with 11ac/a/b/g/n client devices
- Supports up-to 1,200 Mbps in 5-GHz band & 574 Mbps in 2.4-GHz band
- IP67-Rated weatherproof & dustproof housing withstands harsh environments
- 2.5 GigE PoE+ compatible port for easy placement where power outlets are scarce
- Four (4) (2x2) detachable 5dbi high-gain, 360° SMA-type antennas
- Quick-scan device register & configuration and remote monitoring & troubleshooting
- Cloud manage unlimited number of APs from anywhere with the EnGenius Cloud App
- Mesh Wireless Support simplifies setup, optimizes signals & self-heals

Standards

IEEE 802.11b/g/n on 2.4 GHz

IEEE 802.11a/n/ac on 5 GHz

Antenna

2 x 2.4 GHz: 5 dBi

2 x 5 GHz: 5 dBi

External Omni-Directional Antenna

Physical Interface

1 x 10/100/1000 BASE-T, RJ-45 Ethernet Port

1 x DC Jack

1 x Reset Button

LED Indicators

1 x Power

1 x LAN

1 x 2.4 GHz

1 x 5 GHz

Power Source

Power-over-Ethernet: 802.3af/at or Proprietary 54V

IEEE 802.11e Compliant Source

Active Ethernet (PoE)

Maximum Power Consumption

15.9W

Wireless & Radio Specifications Operating Frequency

Dual-Radio Concurrent 2.4 GHz & 5 GHz

Operation Modes

Manage Mode: AP and Mesh

Frequency Radio

2.4 GHz: 2400 MHz ~ 2472 MHz

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

Transmit Power

Up to 23 dBm on 2.4 GHz

Up to 25 dBm on 5 GHz

Tx Beamforming (TxBF)

Radio Chains/Spatial Stream

2×2:2

SU-MIMO

Two (2) spatial streams Single User SU-MIMO for up to 574 Mbps wireless data rate with HE40 bandwidth to a 2x2 wireless client device under the 2.4GHz radio. Two (2) spatial stream Single User SU-MIMO for up to 867 Mbps wireless data rate with VHT80 to a 2x2 wireless device under the 5GHz radio.

MU-MIMO

Two (2) spatial streams MU-MIMO up to 1,200 Mbps wireless data rate for transmitting to two (2) streams MU-MIMO 11ax capable wireless client devices under 5GHz simultaneously.
Two (2) spatial streams MU-MIMO up to 574 Mbps wireless data rate for transmitting to two (2) streams MU-MIMO 11ax capable wireless client devices under 2.4GHz simultaneously.

Supported Data Rates (Mbps):

802.11ax:

2.4 GHz: 9 to 287 (MCS0 to MCS11, NSS = 1 to 2)

5 GHz: 18 to 1200 (MCS0 to MSC11, NSS = 1 to 2)

802.11b: 1, 2, 5.5, 11

802.11a/g: 6, 9, 12, 18, 36, 48, 54

802.11n: 6.5 to 300 Mbps (MCS0 to MCS15)

802.11ac: 6.5 to 867 Mbps (MCS0 to MCS9, NSS = 1 to 2)

802.11b: 1,2,5.5,11

802.11a/g: 6, 9, 12, 18, 36, 48, 54

Channelization

802.11ax supports high efficiency (HE) —HE 20/40/80 MHz

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 under the 2.4GHz radio –VHT40 MHz (256-QAM)

802.11n/ac/ax packet aggregation: A-MPDU, A-SPDU

Supported Modulation

802.11ax: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM

802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM

802.11a/g/n: BPSK, QPSK, 16-QAM, 64-QAM

Multiple BSSID

8 SSIDs on both 2.4GHz and 5GHz radios.

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 (Quality of Service)

Compliant With IEEE 802.11e Standard

WMM

SNMP

v1, v2c, v3

MIB

I/II, Private MIB

Wireless Security

OWE

WPA2 Personal

WPA3 Personal (SAE) - WPA3 Only

WPA3/WPA2 Personal Mixed

WPA2 Enterprise

WPA3 Enterprise Suite B

Hide SSID in Beacons

MAC Address Filtering, Up to 32 MACs per SSID

Wireless STA (Client) Connected List

SSH Tunnel

Client Isolation

Environment & Physical Temperature Range

Operating: -4°~140°F/-20°C~60°C

Storage: -40F°~176°F/-40°C~80°C

Humidity (non-condensing)

Operating: 90% or less

Storage: 90% or less

Outdoor Rating: IP67-Rated Enclosure

Dimensions & Weight

Weight: 1.54 lbs. (0.7 kg)

Length: 7.48" (190 mm)

Width: 4.07" (124 mm)

Height" 2.07" (52.5 mm)

Package Contents

1 – ECW260 Cloud Managed Outdoor Access Point

1 - Pole-Mounting Brackets

1 - Wall-Mount Screw Set

2 - 2.4GHz 5dBi SMA Antennas

2 - 5GHz 5dBi SMA Antennas

1 - Quick Installation Guide

Warranty

2 Year

Certifications

CE

FCC

IC