Technical Specifications

**Standards**

IEEE 802.11b/g/n on 2.4 GHz

IEEE 802.11a/n/ac on 5 GHz

**Antenna**

2 x 2.4 GHz: 3 dBi

2 x 5 GHz: 3 dBi

Integrated Omni-Directional Antenna

**Physical Interface**

2 x 10/100/1000 Ethernet Ports (PoE)

1 x 10/100/1000 Ethernet Port (PSE Out ; requires 802.3at power source)

1 x DC Jack

1 x Reset Button

**LED Indicators**

1 x Multi-color LED

**Power Source**

Power-over-Ethernet: 802.3af/at Input

IEEE 802.11e Compliant Source

12VDC /1A Power Adapter

**Maximum Power Consumption**

11.9W

**Wireless & Radio Specifications Operating Frequency**

Dual-Radio Concurrent 2.4 GHz & 5 GHz

**Operation Modes**

Managed mode: AP, AP Mesh, Mesh

**Frequency Radio**

2.4 GHz: 2400 MHz~2482 MHz

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

**Transmit Power**

Up to 17 dBm on 2.4 GHz

Up to 17 dBm on 5 GHz

(Maximum power is limited by regulatory domain)

**Tx Beamforming (TxBF)**

**Radio Chains/Spatial Stream**

2 x 2:2

**SU-MIMO**

Two(2) spatial stream Single User (SU) MIMO for up to 400 Mbps wireless data rate with VHT40 bandwidth to a 2×2 wireless device under the 2.4 GHz radio. Two(2) spatial stream Single User (SU) MIMO for up to 867 Mbps wireless data rate with VHT80 to a 2×2 wireless device under the 5 GHz radio.

**MU-MIMO**

Two (2) Spatial Stream MU-MIMO up to 867 Mbps wireless data rate for transmitting to two (2) streams MU-MIMO capable wireless devices under 5 GHz simultaneously.

**Supported Data Rates (Mbps):**

2.4 GHz: Max 400 (MCS0 to MCS11, NSS = 1 to 2)

5 GHz: Max 867 (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) (Additional 25% bandwidth when enabling 256-QAM uner HT40)

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

**Supported Radio Technologies**

802.11a/g/n/ac: Orthogonal Frequency-Division Multiplexing (OFDM)

802.11b: Direct-Sequence Spread Spectrum (DSSS)

802.11n/ac: 2×2 MIMO with 2 Streams

**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 High Throughput (HT) Under the 2.4 GHz Radio—HT 40 MHz (256-QAM)

802.11n/ac Packet Aggregation: A-MPDU, A-SPDU

**Supported Modulation**

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

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

802.11b: BPSK, QPSK, CCK

**Management Multiple BSSID**

8 SSIDs on both 2.4 GHz and 5 GHz bands

**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)**

Complaint With IEEE 802.11e Standard

WMM

**SNMP**

v1, v2c, v3

**MIB**

I/II, Private MIB

**Fast Roaming**

802.11r/k

**Wireless Security**

WPA2-PSK

WPA2-Enterprise

Hide SSID in Beacons

MAC Address Filtering, Up to 32 MACs per SSID

Wireless STA (Client) Connected List

Https

SSH Tunnel

Client Isolation

**Environment & Physical Temperature Range**

Operating: 32ºF~104ºF (0 ºC~40 ºC)

Storage: -40 ºF~176 ºF (-40 ºC~80 ºC)

**Humidity (Non-Condensing)**

Operating: 90% or less

Storage: 90% or less

**Dimensions & Weight**

Weight: 225 g

Width: 140 mm

Length: 90 mm

Height: 40 mm

**Package Contents**

1 – ECW115 Cloud Managed Indoor Access Point

1 – Junction Plate (short)

1 – Junction Plate (tall)

1 – Mounting Screw Kit

1 – Quick Installation Guide

**Compliance Regulatory**

FCC

CE

IC

**Warranty**

2 Year