# SP-W2-AC1200

## INDOOR/ OUTDOOR AP

## INTRODUCTION

The SP-W2-AC1200 is a concurrent dual-band 802.11ac Wave 2 indoor access point. Featuring dual 2x2 Multi-User MIMO (MU-MIMO) radios, the SP-W2-AC1200 can simultaneously support up to 400 Mbps and 866 Mbps data rates for both 2.4GHz and 5GHz bands. The sleek design of the SP-W2-AC1200 allows it to be placed inconspicuously in both offices and homes, bringing fast wireless connections to hard-to-reach locations. In addition the SP-W2-AC1200 features an innovative indoor/outdoor design in one universal model. SP-W2-AC1200 can be operated as standalone mode or managed by Edgecore ecCLOUD cloud controller.

## HIGHLIGHTS

- **Cloud Management**

SP-W2-AC1200 can be managed by Edgecore ecCLOUD cloud controller, allowing for easy, highly scalable installation, configuration, and management.

- **Dual Band AC1200 Wave2 Operation**

SP-W2-AC1200 is capable of operating simultaneously at 2.4GHz (802.11b/g/n) as well as 5GHz (802.11a/n/ac) to supply ample throughput for the most demanding applications.

- **802.11AC Wave2 Features for Performance**

Swiftly build an office-like environment for remote workers within 30 min, delivering in-office experience to remote workers. It means there's consistent access to the data and applications that are normally used in office.

- **Robust Yet Simple Mounting Options**

SP-W2-AC1200 can be wall, ceiling, or desktop mounted both indoors and outdoors, greatly simplifying installations in both offices, homes, parks, smart cities and many other applications.

# SPECIFICATIONS

| HARDWARE | |
|---|---|
| **Dimensions** | • 176 x 162 x 33 mm (W x D x H) |
| **Weight** | • 417 g (0.92 lb) |
| **Power** | • 12V/1A DC<br>• 802.3af PoE |
| **Interface** | • 1x Gigabit Ethernet Port (PoE IN)<br>• 1x Gigabit Ethernet Port<br>• 1x USB 2.0 Port<br>• Dual flash image support |
| **LEDs** | • Power<br>• 2.4G-WiFi<br>• 5G-WiFi<br>• Eth0 PoE IN<br>• Eth1 |
| **Environmental Conditions** | • Operating Temperature: -30ºC to 55ºC (-22ºF to 131ºF)<br>• Store Temperature: -40ºC to 70ºC (-40ºF to 158ºF)<br>• Operating Humidity: 10% to 90% non-condensing (RH)<br>• IP55 Rating |
| **Antenna** | • 2.4 GHz: 6 dBi omni-directional<br>• 5 GHz: 8 dBi omni-directional |
| **WI-FI** | |
| **Standards** | • 802.11 a/b/g/n/ac<br>• Concurrent dual-band 2.4 & 5 GHz |
| **Radio Chains** | • 5 GHz: 2x2<br>• 2.4 GHz: 2x2 |
| **Spatial Streams** | • 2;  MU-MIMO support |
| **RF PERFORMANCE (TX)** | • 2.4GHz: 23 dBm @ 6Mbps, 14 dBm @ 400Mbps<br>• 5GHz: 26 dBm @ 6Mbps, 18 dBm @ 866Mbps |
| **RF PERFORMANCE (RX)** | • 2.4GHz: -86 dBm @ 6Mbps, -64 dBm @ 400Mbps<br>• 5GHz: -82 dBm @ 6Mbps, -51 dBm @ 866Mbps |
| **ESSID** | • Up to 8 per radio (16 total) |
| **Certification** | • FCC, IC, CE, AU, MIC, NCC, SRRC, TELEC, JATE |

## FEATURES

- Supports Service Provider and Enterprise type networks
- AP/Client/Client WDS modes with Flexible Bridging and Routing
- IEEE802.11e Wi-Fi Multimedia ( WMM-QoS)
- WPA,WPA2-PSK,WPA2-AES, PSK and Enterprise
- Admission control by client MAC address

*: RF output power aggregates across MIMO chains and doesn't contain antenna gain

## ORDERING INFORMATION

| PART NUMBER | |
|---|---|
| **SP-W2-AC1200-XX** | • SP-W2-AC1200 – Dual band Concurrent Enterprise AP w/ internal antenna |

**XX is used to denote localization (US, EU, AU, CN)

## ACCESSORY

| PART NUMBER | DESCRIPTION | ANTENNA | SPECIFICATION |
|---|---|---|---|
| ICC-IN-MODULE-JL | LTE CAT4 for Japan w/ internal antenna | 1.1 dBi @895 MHz<br>2.4 dBi @1950 MHz | • LTE FDD: B1/B3/B8/B18/B19/B26<br>• LTE TDD: B41<br>• WCDMA: B1/B6/B8/B19<br>• Carrier: NTT DOCOMO/ SoftBank/ KDDI |
| ICC-EX-MODULE-JL | LTE CAT4 for Japan w/ external antenna | SMA Omni-directional 3.05 dBi | |
| ICC-EX-MODULE-GL | LTE CAT4 for Global w/ external antenna | SMA Omni-directional 4.0 dBi | • LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28<br>• LTE TDD: B38/B39/B40/B41<br>• WCDMA: B1/B2/B4/B5/B6/B8/B19<br>• Carrier: Deutsche Telekom/ Verizon/ AT&T/ Sprint/ U.S. Cellular/T-Mobile*/ Rogers*/ Telus* |

*Under development

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