

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**

SP-W2-AC1200 features the latest 802.11ac Wave 2 standard including MU-MIMO and enhanced beam forming - giving the best price/performance ratio in the market.

- **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	<ul style="list-style-type: none"> 176 x 162 x 33 mm (W x D x H)
Weight	<ul style="list-style-type: none"> 417 g (0.92 lb)
Power	<ul style="list-style-type: none"> 12V/1A DC 802.3af PoE
Interface	<ul style="list-style-type: none"> 1x Gigabit Ethernet Port (PoE IN) 1x Gigabit Ethernet Port 1x USB 2.0 Port Dual flash image support
LEDs	<ul style="list-style-type: none"> Power 2.4G-WiFi 5G-WiFi Eth0 PoE IN Eth1
Environmental Conditions	<ul style="list-style-type: none"> Operating Temperature: -30°C to 55°C (-22°F to 131°F) Store Temperature: -40°C to 70°C (-40°F to 158°F) Operating Humidity: 10% to 90% non-condensing (RH) IP55 Rating
Antenna	<ul style="list-style-type: none"> 2.4 GHz: 6 dBi omni-directional 5 GHz: 8 dBi omni-directional
WI-FI	
Standards	<ul style="list-style-type: none"> 802.11 a/b/g/n/ac Concurrent dual-band 2.4 & 5 GHz
Radio Chains	<ul style="list-style-type: none"> 5 GHz: 2x2 2.4 GHz: 2x2
Spatial Streams	<ul style="list-style-type: none"> 2; MU-MIMO support
RF PERFORMANCE (TX)	<ul style="list-style-type: none"> 2.4GHz: 23 dBm @ 6Mbps, 14 dBm @ 400Mbps 5GHz: 26 dBm @ 6Mbps, 18 dBm @ 866Mbps
RF PERFORMANCE (RX)	<ul style="list-style-type: none"> 2.4GHz: -86 dBm @ 6Mbps, -64 dBm @ 400Mbps 5GHz: -82 dBm @ 6Mbps, -51 dBm @ 866Mbps
ESSID	<ul style="list-style-type: none"> Up to 8 per radio (16 total)
Certification	<ul style="list-style-type: none"> FCC, IC, CE, AU, MIC, NCC, SRRC, TELEC, JATE
FEATURES	
<ul style="list-style-type: none"> 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 2.4 dBi @1950 MHz	<ul style="list-style-type: none"> • LTE FDD: B1/B3/B8/B18/B19/B26 • LTE TDD: B41
ICC-EX-MODULE-JL	LTE CAT4 for Japan w/ external antenna	SMA Omni-directional 3.05 dBi	<ul style="list-style-type: none"> • WCDMA: B1/B6/B8/B19 • Carrier: NTT DOCOMO/ SoftBank/ KDDI
ICC-EX-MODULE-GL	LTE CAT4 for Global w/ external antenna	SMA Omni-directional 4.0 dBi	<ul style="list-style-type: none"> • LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28 • LTE TDD: B38/B39/B40/B41 • WCDMA: B1/B2/B4/B5/B6/B8/B19 • Carrier: Deutsche Telekom/ Verizon/ AT&T/ Sprint/ U.S. Cellular/T-Mobile*/ Rogers*/ Telus*

*Under development