SS-W2-AC2600

INDOOR/ OUTDOOR AP

INTRODUCTION

The SS-W2-AC1200 is a powerful, cloud-managed 802.11ac Wave2 access point supporting up to 2.6 Gbps data rate over the air. The SS-W2-AC1200 contains 2 independent 4x4 MIMO, concurrent operation radios - one 802.11ac (5GHz) radio and one 802.11n (2.4GHz) radio - capable of delivering blisteringly fast wireless speeds. The universal design of the SS-W2-AC1200 allows it to be placed inconspicuously in both of indoor and outdoor environments due to its innovative IP-55 standards rated enclosure, bringing fast wireless connections to hard-to-reach locations. The advantages of 802.11ac wave2 standard like MU-MIMO and hardware based radio acceleration make this access point ideal for high density deployments and high throughput applications. SS-W2-AC1200 can be operated as standalone mode or managed by Edgecore ecCLOUD cloud controller.

HIGHLIGHTS

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

- **Dual Band AC2600 Wave2 Operation**
SS-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**
SS-W2-AC1200 features the latest 802.11ac 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	• 218.8 x 223.8 x 35 mm (W x D x H)
Weight	• 850 g (1.87 lb)
Power	• 12V/2A DC • 802.3at Power over Ethernet
Interface	• 1 x Gigabit Ethernet Port (PoE IN, 802.3at) • 1 x Gigabit Ethernet Port • Dual flash image support
LEDs	• Power • Wireless 2.4GHz • Wireless 5 GHz • ETH0 • ETH1
Environmental Conditions	• Operating Temperature: -30Cº to +55Cº (-22F to 131F) • Store Temperature: -40Cº to 70Cº (-40F to 158F) • Operating Humidity: 10 to 90% non-condensing (RH) • IP55 Rating
Antenna	• 2.4GHz: 6 dBi - omnidirectional • 5GHz: 8 dBi - omnidirectional
WI-FI	
Standards	• 802.11 a/b/g/n/ac • Concurrent dual-band 2.4 & 5 GHz
Radio Chains	• 4 x 4
Spatial Streams	• 4; MU-MIMO support
RF Performance (TX)	• 2.4GHz: 23 dBm @ 6Mbps, 18 dBm @ 800Mbps • 5GHz: 25 dBm @ 6Mbps, 20 dBm @ 1733Mbps
RF Performance (RX)	• 2.4GHz: -96 dBm @ 6Mbps, -62 dBm @ 800Mbps • 5GHz: -90 dBm @ 6Mbps, -58 dBm @ 1733Mbps
ESSID	• Up to 8 per radio (16 total)
Certification	• FCC, IC, CE
FEATURES	

- Supports Service Provider and Enterprise type networks

- Stand-alone or Cloud-controlled operating modes

- 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	
SS-W2-AC2600-XX	• SunSpot Wave2 AC2600 – Dual-band Concurrent 4 x 4 Enterprise AP w/ int antenna

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