

SP-W2M-AC1200

TIP OPEN INDOOR AP



INTRODUCTION

The SP-W2M-AC1200 is a concurrent dual-band 802.11ac Wave 2 indoor/outdoor access point. Featuring dual 2x2 Multi-User MIMO (MU-MIMO) radios, the SP-W2M-AC1200 can simultaneously support up to 300 Mbps and 866 Mbps data rates for both 2.4GHz and 5GHz bands. The sleek design of the SP-W2M-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-W2M-AC1200 features an innovative indoor/ outdoor design in one universal model.

The TIP open SP-W2M-AC1200 AP hardware is pre-installed with TIP's Open AP software, saving time and hassle from software installation, but at the same time reserve the flexibility for further changes. From SMB to MDUs to larger venues, the TIP open SP-W2M-AC1200 is a flexible hardware platform for the different network use cases and requirements.

HIGHLIGHTS

WI-FI

- Concurrent Dual-Band 2.4 & 5 GHz
- 802.11ac 2x2 MU-MIMO supporting up to 1.3 Gbps data rate
- Support up to 16 ESSIDs.
- Enterprise-Grade Wireless Security

Physical

- Wall and ceiling mountable
- High Density Wi-Fi deployment
- 5V/2.1A DC (USB)
- 5 LED indicators
- Bluetooth Low Energy (BLE)

SPECIFICATIONS

PHYSICAL	
CPU	<ul style="list-style-type: none"> • RTL8197FS
Flash	<ul style="list-style-type: none"> • NOR: 16MB
Memory	<ul style="list-style-type: none"> • 128 MB
Power	<ul style="list-style-type: none"> • 5V/2.1A DC (micro USB)
Dimensions	<ul style="list-style-type: none"> • 83.6 x 83.09 x 22 mm
Weight	<ul style="list-style-type: none"> • 68.6 g (non PoE)
Interfaces	<ul style="list-style-type: none"> • 1G Base-T RJ45 Ethernet port • 100Base-T RJ45 Ethernet port
LED Indicator	<ul style="list-style-type: none"> • Power, Wireless 2.4 GHz, Wireless 5GHz, ETH 0, ETH 1
Buttons	<ul style="list-style-type: none"> • 1x Factory Preset Button
Environmental Conditions	<ul style="list-style-type: none"> • Operating Temperature: 0°C ~ 50°C • Operating Humidity:10% ~90% non-condensing
Power Consumption	<ul style="list-style-type: none"> • 5W Typical • 6.5W Maximum
Antenna	<ul style="list-style-type: none"> • 2.4 GHz: 4 dBi omni-directional • 5 GHz: 5 dBi omni-directional • Integrated Bluetooth 2.1/ 4.1
Mounting	<ul style="list-style-type: none"> • wall/ceiling/desktop mounted
WI-FI	
Standards	<ul style="list-style-type: none"> • 802.11 a/b/g/n/ac • Concurrent dual-band 2.4 & 5 GHz
Support Data Rates	<ul style="list-style-type: none"> • 802.11b: 1, 2, 5.5, 11 Mbps • 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps • 802.11n: 6.5 – 144 Mbps (20 MHz) • 802.11n: 13.5 – 300 Mbps (40 MHz) • 802.11ac: 6.5 – 173.4 Mbps (20 MHz) • 802.11ac: 13.5 – 400 Mbps (40 MHz) • 802.11ac: 29.3 – 866.6 Mbps (80 MHz)
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

WI-FI**Aggregate Conducted Transmit power**

- 2.4 GHz: 25 dBm
- 5 GHz: 23 dBm

Channelization

- 2.4 GHz: 20 / 40 MHz
- 5 GHz: 20 / 40 / 80 / 80 MHz

Frequency Range

- 2.400 – 2.483 GHz
- 5.150 – 5.850 GHz

Operating Channels

- 5 GHz: 36 – 165 (US)

ESSID

- Up to 8 per radio (16 total)

Certification

- FCC

PERFORMANCE**Physical Data Rate**

- Up to 300 Mbps (2.4GHz)
- Up to 866 Mbps (5 GHz)

FIRMWARE**TIP Open WiFi Ready****PART NUMBER****SP-W2M-AC1200_T**

- TBD