

SP-W2-AC1200

TIP OPEN INDOOR/OUTDOOR ACCESS POINT

INTRODUCTION

The SP-W2-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-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.

The TIP open SP-W2-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-W2-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
- 802.3af PoE LAN port
- IP55 Weather Proof Plastic Housing

SPECIFICATIONS

PHYSICAL	
CPU	<ul style="list-style-type: none"> IPQ4018
Flash	<ul style="list-style-type: none"> NOR: 16MB NAND: 128MB
Memory	<ul style="list-style-type: none"> 256MB
Power	<ul style="list-style-type: none"> DC Input: 12V / 1A (Power adapter included) PoE: 802.3af compliant (PoE injector optional)
Dimensions	<ul style="list-style-type: none"> 17.6 cm (L) x 16.2 cm (W) x 3.3 cm (H)
Weight	<ul style="list-style-type: none"> 0.42 kg (0.92 lbs)
Interfaces	<ul style="list-style-type: none"> Eth0 RJ-45 Port: 1000BASE-T, 802.3af PoE Eth1 RJ-45 Port: 1000BASE-T
LED Indicator	<ul style="list-style-type: none"> Power/ 2.4G-WiFi/ 5G-WiFi / Eth0 PoE IN / Eth1
Buttons	<ul style="list-style-type: none"> Restart / Reset
Environmental Conditions	<ul style="list-style-type: none"> Operating Temperature: -30°C (-22°F) to 55°C (131°F) Operating Humidity: 10% to 90% non-condensing
Power Consumption	<ul style="list-style-type: none"> 12W max.
Antenna	<ul style="list-style-type: none"> Type: 2 x Built-in PIFA (2 x 2.4 GHz & 5 GHz) Gain: 6 dBi (2.4 GHz), 8 dBi (5 GHz)
Mounting	<ul style="list-style-type: none"> Pole/Wall/Ceiling mount (Mounting kit included)
ESD	<ul style="list-style-type: none"> IEC-61000-4-2 +/-4KV for contact discharge, +/-8KV for Air discharge (criteria B)
WI-FI	
Standards	<ul style="list-style-type: none"> 802.11 ac Wave 2/a/b/g/n Concurrent dual-band 2.4 & 5 GHz
Supported 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"> 2 x 2
Spatial Streams	<ul style="list-style-type: none"> 2; MU-MIMO support
RF Output Power*1	<ul style="list-style-type: none"> 2.4 GHz: Up to 23 dBm*2 5 GHz: Up to 26 dBm*2
Channelization	<ul style="list-style-type: none"> 2.4 GHz: 20/40 MHz 5 GHz: 20/40/80 Mhz
Frequency Band	<ul style="list-style-type: none"> 2.412 – 2.472 GHz 5.180 – 5.825 GHz
Operating Channels	<ul style="list-style-type: none"> 2.4 GHz: 1 – 11 (US), 1 – 13 (Europe), 1 – 13 (Japan) 5 GHz*3: 36 – 165 (US), 36 – 140 (Europe), 36 – 140 (Japan)
ESSIDs	<ul style="list-style-type: none"> Up to 8 per radio (16 total)
Certifications	<ul style="list-style-type: none"> FCC, IC, CE, AU, MIC, NCC, SRRC, TELEC, JATE

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

*2: Maximum power is limited by local regulatory requirements

*3: Some channels are restricted by local regulatory requirements

PERFORMANCE

Physical Data Rate

- Up to 400 Mbps (2.4 GHz)
- Up to 866 Mbps (5 GHz)

FIRMWARE

TIP Open WiFi Ready

Contact Us

For more information, please contact us: openwifi@edge-core.com

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