

SS-W2-AC2600

TIP OPEN INDOOR/OUTDOOR ACCESS POINT

INTRODUCTION

The SS-W2-AC2600 is a concurrent dual-band 802.11ac Wave 2 indoor/outdoor access point. Featuring dual 4x4 Multi-User MIMO (MU-MIMO) radios, the SS-W2-AC2600 can simultaneously support up to 800 Mbps and 1.73 Gbps data rates for both 2.4GHz and 5GHz bands, far surpassing the throughput of the latest 802.11ac Wave 1 access points. The combination 802.11ac Wave 2 MU-MIMO technology and 4x4 spatial streams makes the SS-W2-AC2600 a top choice for high-density environments such as stadiums, arenas, and conference rooms.

The TIP open SS-W2-AC2600 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 SS-W2-AC2600 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 4x4 MU-MIMO supporting up to 2.5 Gbps data rate
- Support up to 16 ESSIDs.
- Enterprise-Grade Wireless Security

PHYSICAL

- Wall and ceiling mountable
- High Density Wi-Fi deployment
- 802.3at PoE LAN port
- IP55 Weather Proof Plastic Housing

SPECIFICATIONS

PHYSICAL	
CPU	<ul style="list-style-type: none"> IPQ8068
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 / 2A (Power adapter included) PoE: 802.3at compliant (PoE injector optional)
Dimensions	<ul style="list-style-type: none"> 21.9 cm (L) x 22.4 cm (W) x 3.5 cm (H)
Weight	<ul style="list-style-type: none"> 0.85 kg (1.87 lbs)
Interfaces	<ul style="list-style-type: none"> ETH1/PoE Port: 1000BASE-T, 802.3at PoE ETH2 Port: 1000BASE-T
LED Indicator	<ul style="list-style-type: none"> Power / 2.4G-WiFi / 5G-WiFi / ETH 1(PoE)/ ETH 2
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 95% non-condensing
Power Consumption	<ul style="list-style-type: none"> 24W max.
Antenna	<ul style="list-style-type: none"> Type: 4 x Built-in PIFA (4 x 2.4 GHz & 5 GHz) Gain: 6 dBi (2.4 GHz), 8 dBi (5 GHz)
Mounting	<ul style="list-style-type: none"> Wall/ T-bar/Ceiling mount (Mounting kit included)
ESD	<ul style="list-style-type: none"> IEC-61000-4-2 +/-4KV for contact discharge, +/-8KV for Air discharge
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 – 288 Mbps (20 MHz) 802.11n: 13.5 – 600 Mbps (40 MHz) 802.11ac: 6.5 – 346 Mbps (20 MHz) 802.11ac: 13.5 – 800 Mbps (40 MHz) 802.11ac: 29.3 – 1733 Mbps (80 MHz)
Radio Chains	<ul style="list-style-type: none"> 4 x 4
Spatial Streams	<ul style="list-style-type: none"> 4; 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 25 dBm*2
Channelization	<ul style="list-style-type: none"> 2.4 GHz: 20 / 40 MHz 5 GHz: 20 / 40 / 80MHz
Frequency Band	<ul style="list-style-type: none"> 2.400 – 2.483 GHz 5.150 – 5.850 GHz
Operating Channels	<ul style="list-style-type: none"> 2.4 GHz: 1 – 11 (US), 1 – 13 (Europe), 1 – 13 (Japan) 5 GHz*3: 6 – 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 (United States), IC (Canada), CE (Europe)

*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 800 Mbps (2.4 GHz)
- Up to 1733 Mbps (5 GHz)

FIRMWARE

TIP Open WiFi Ready

Contact Us

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

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