

EAP101

TIP OPEN INDOOR ACCESS POINT

INTRODUCTION

EAP101 is an enterprise-grade, concurrent dual-band Wi-Fi 6 indoor access point. EAP101 supports 2x2:2 uplink and downlink MU-MIMO between the AP and multiple clients, with up to 1.7Gbps aggregated data rate. EAP101 is equipped with Bluetooth Low Energy (BLE) radio enabling value-added applications such as iBeacon.

The TIP open EAP101 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 EAP101 is a flexible hardware platform for the different network use cases and requirements.



HIGHLIGHTS

- Concurrent Dual-Band 2.4 GHz & 5 GHz
- 802.11ax 2x2:2 UL MU-MIMO supporting up to 1.7 Gbps data rate
- Support up to 32 ESSIDs.
- Enterprise-Grade Wireless Security
- Bluetooth Low Energy (BLE)
- 802.3at Power over Ethernet (PoE)

SPECIFICATIONS

PHYSICAL	
CPU	<ul style="list-style-type: none"> IPQ6010
Flash	<ul style="list-style-type: none"> NOR: 32MB NAND: 256MB
Memory	<ul style="list-style-type: none"> 1GB
Power	<ul style="list-style-type: none"> DC Input: 12V / 2.0A (Power adapter included) PoE: 802.3at compliant (PoE injector not included)
Dimensions	<ul style="list-style-type: none"> 195 mm (L) x 195 mm (W) x 39 mm (H)
Weight	<ul style="list-style-type: none"> 0.65 kg (1.44 lbs)
Interfaces	<ul style="list-style-type: none"> Uplink: 1 x 10/100/1000/2.5GBase-T Ethernet, Auto MDIX, RJ-45 with 802.3at PoE LAN: 2 x 10/100/1000Base-T Ethernet, Auto MDIX, RJ-45 Console: 1 x RJ-45 Port USB: 1 x USB 2.0 Port
LED Indicator	<ul style="list-style-type: none"> 2.4G-WiFi / 5G-WiFi / Power
Buttons	<ul style="list-style-type: none"> Restart / Reset
Environmental Conditions	<ul style="list-style-type: none"> Operating Temperature: 0°C (32°F) to 50°C (122°F) Operating Humidity: 5% to 95% non-condensing
Power Consumption	<ul style="list-style-type: none"> 22.4W max.
Antenna	<ul style="list-style-type: none"> Type: 3 x Built-in antenna (2 x 2.4 GHz & 5 GHz, 1 x Bluetooth Low Energy) Gain: 4.8 dBi (2.4 GHz), 6 dBi (5 GHz), 4.6 dBi (BLE)
Mounting	<ul style="list-style-type: none"> Wall/Ceiling/T-bar mount (Mounting kit included)
Anti-theft	<ul style="list-style-type: none"> 1 x Kensington lock slot
WI-FI	
Standards	<ul style="list-style-type: none"> 802.11ax (Wi-Fi 6) 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 – 300 Mbps (20 / 40 MHz) 802.11ac: 6.5 – 867 Mbps (20 / 40 / 80 MHz) 802.11ax: 3.6 – 574 Mbps (2.4 GHz, 20 / 40 MHz) 802.11ax: 3.6 – 1200 Mbps (5 GHz, 20 / 40 / 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
Aggregate Conducted Transmit Power*1	<ul style="list-style-type: none"> 2.4 GHz: 26dBm*2 5 GHz: 26dBm*2
Channelization	<ul style="list-style-type: none"> 2.4 GHz: 20 / 40 MHz 5 GHz: 20 / 40 / 80MHz
Frequency Range	<ul style="list-style-type: none"> 2.400 – 2.483 GHz 5.150 – 5.850 GHz
Operating Channels	<ul style="list-style-type: none"> 5 GHz*3: 36 – 165 (US)
ESSIDs	<ul style="list-style-type: none"> Up to 16 per radio (32 total)
Certifications	<ul style="list-style-type: none"> FCC

*1: 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	<ul style="list-style-type: none">• Up to 574 Mbps (2.4 GHz)• Up to 1200 Mbps (5 GHz)
FIRMWARE	
TIP Open WiFi Ready	
PART NUMBER	
EAP101_T	<ul style="list-style-type: none">• FIUEC0101002S-C (R0B)

Contact Us

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

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