

# EAP104

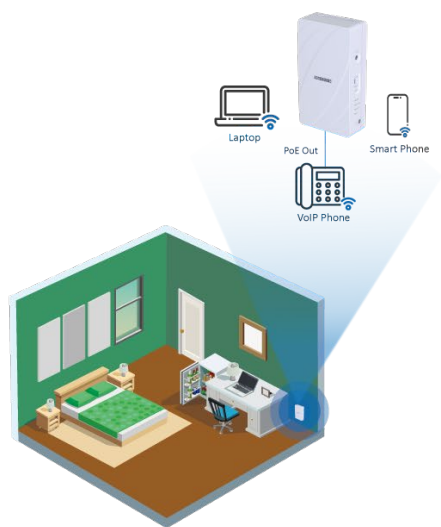
## TIP OPEN INDOOR WALL-PLATE Wi-Fi 6 ACCESS POINT



### INTRODUCTION

The TIP open EAP104 is an enterprise-grade, concurrent dual-band Wi-Fi 6 indoor wall-plate access point for hospitality, apartment buildings, or MDUs. The EAP104 supports 2x2:2 uplink and downlink MU-MIMO between the AP and multiple clients, with up to 3 Gbps aggregated data rate. The EAP104 is equipped with Bluetooth Low Energy (BLE) radio and ZigBee, enabling value-added applications such as iBeacon.

The TIP open EAP104 hardware is pre-installed with TIP's Open AP software, providing a flexible platform for different network use cases and requirements.



EU/US Junction Box Wall-Plate for Hotel



Wall Mount for Classroom



Desk Mount for Meeting Room/SMB

### HIGHLIGHTS

- Wi-Fi 6 2x2 uplink and downlink MU-MIMO with up to 3 Gbps data rate
- 1 uplink port, 4 LAN ports, plus 1 pass-through port
- Supports up to 32 ESSIDs
- Enterprise-grade wireless security
- Bluetooth Low Energy (BLE) and ZigBee support
- PoE Out in an AP

## SPECIFICATIONS

PHYSICAL	
<b>Power</b>	<ul style="list-style-type: none"> <li>DC Input: 12V / 2.0A (power adapter optional)</li> <li>PoE: 802.3at/af compliant (PoE injector optional)</li> </ul>
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>Est. 160.5 mm (L) x 89.5 mm (W) x 34 mm (H)</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>Est. 0.45 kg</li> </ul>
<b>Interfaces</b>	<ul style="list-style-type: none"> <li>Uplink: 1 x 10/100/1000Base-T Ethernet, Auto MDIX, RJ-45 with standard PoE input</li> <li>LAN: 4 x 10/100/1000Base-T Ethernet, Auto MDIX, RJ-45 (LAN4 supports 802.3af PoE out up to 10W while the system is powered by 802.3at)</li> <li>Pass-Thru: 1 x pass-through port from rear to bottom</li> <li>Console: 1 x Micro-USB port</li> </ul>
<b>Buttons</b>	<ul style="list-style-type: none"> <li>Restart / Reset</li> </ul>
<b>LED Indicator</b>	<ul style="list-style-type: none"> <li>Power, Cloud Status, 5G-WiFi, 2.4G-WiFi, Uplink</li> </ul>
<b>Restart / Reset</b>	<ul style="list-style-type: none"> <li>Restart / Reset</li> </ul>
<b>Environmental Conditions</b>	<ul style="list-style-type: none"> <li>Operating Temperature: 0°C (32°F) to 45°C (113°F)</li> <li>Operating Humidity: 5% to 95% non-condensing</li> </ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>Est. 12.9W max.</li> </ul>
<b>Antenna</b>	<ul style="list-style-type: none"> <li>Type: 5 x Built-in antenna (2 x 2.4 GHz, 2 x 5 GHz, 1 x BLE)</li> <li>Gain: 3.9 dBi (2.4 GHz), 5.2 dBi (5 GHz), 4 dBi (BLE)</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>Wall-plate (standard bracket), wall mount (standard bracket), desktop (optional stand)</li> </ul>
<b>Anti-theft</b>	<ul style="list-style-type: none"> <li>1 x screw lock</li> </ul>
WI-FI	
<b>Standards</b>	<ul style="list-style-type: none"> <li>802.11a/b/g/n/ac/ax (Wi-Fi 6)</li> <li>Concurrent dual-band 2.4 &amp; 5 GHz</li> </ul>
<b>Supported Data Rates</b>	<ul style="list-style-type: none"> <li>802.11b: 1, 2, 5.5, 11 Mbps</li> <li>802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps</li> <li>802.11n: 6.5 – 300 Mbps (20 / 40 MHz)</li> <li>802.11ac: 6.5 – 867 Mbps (20 / 40 / 80 MHz)</li> <li>802.11ax: 3.6 – 574 Mbps (2.4 GHz, 20 / 40 MHz)</li> <li>802.11ax: 3.6 – 2402 Mbps (5 GHz, 20 / 40 / 80 / 160 MHz)</li> </ul>
<b>Radio Chains</b>	<ul style="list-style-type: none"> <li>2 x 2</li> </ul>
<b>Spatial Streams</b>	<ul style="list-style-type: none"> <li>2; Uplink and downlink MU-MIMO support</li> </ul>
<b>Aggregate Conducted Transmit Power<sup>1</sup></b>	<ul style="list-style-type: none"> <li>2.4 GHz: 22 dBm<sup>2</sup></li> <li>5 GHz: 22 dBm<sup>2</sup></li> </ul>
<b>Channelization</b>	<ul style="list-style-type: none"> <li>2.4 GHz: 20, 40 MHz</li> <li>5 GHz: 20, 40, 80, 160Mhz</li> </ul>
<b>Frequency Range</b>	<ul style="list-style-type: none"> <li>2.401 – 2.483 GHz<sup>3</sup></li> <li>5.170 – 5.835 GHz<sup>3</sup></li> </ul>
<b>Operating Channels</b>	<ul style="list-style-type: none"> <li>2.4G: 1 – 11 (US), 1 – 13 (Europe, Japan)</li> <li>5 GHz<sup>2</sup>: 36 – 165 (US), 36 – 140 (Europe), 36 – 144 (Japan)</li> </ul>

<b>ESSIDs</b>	<ul style="list-style-type: none"> <li>Up to 16 per radio (32 total)</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>FCC, IC, CE, TELEC, NCC, BSMI</li> </ul>

- 1: Aggregated across MIMO chains and does not contain antenna gain.
- 2: Maximum power is limited by local regulatory requirements.
- 3: Bands and channels are restricted by local regulatory requirements. Refer to latest certificates for details.

## PERFORMANCE

<b>Physical Data Rate</b>	<ul style="list-style-type: none"> <li>Up to 574 Mbps (2.4 GHz)</li> <li>Up to 2402 Mbps (5 GHz)</li> </ul>
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## OPTIONAL ACCESSORIES

Part Number	Description	Remark
131500000338	Power adapter with US/JP, EU, UK, AU plugs.	Sold in quantities of 10 per box
123400002643A	Desktop stand bracket	Sold in quantities of 10 per box

## Contact Us

For more information, please contact us: [openwifi@edge-core.com](mailto:openwifi@edge-core.com)

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