

# EAP101

## 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 Plume WorkPass certified EAP101 supports OpenSync and can be integrated seamlessly with Plume WorkPass platform applications, providing SMB users with the best network experience.



### 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	
<b>Power</b>	<ul style="list-style-type: none"> <li>DC Input: 12V / 2.0A (Power adapter included)</li> <li>PoE: 802.3at compliant (PoE injector not included)</li> </ul>
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>195 mm (L) x 195 mm (W) x 39 mm (H)</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>0.65 kg (1.44 lbs)</li> </ul>
<b>Interfaces</b>	<ul style="list-style-type: none"> <li>Uplink: 1 x 10/100/1000/2.5GBase-T Ethernet, Auto MDIX, RJ-45 with 802.3at PoE</li> <li>LAN: 2 x 10/100/1000Base-T Ethernet, Auto MDIX, RJ-45</li> <li>Console: 1 x RJ-45 Port</li> <li>USB: 1 x USB 2.0 Port</li> </ul>
<b>LED Indicator</b>	<ul style="list-style-type: none"> <li>2.4G-WiFi / 5G-WiFi / Power</li> </ul>
<b>Buttons</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 50°C (122°F)</li> <li>Operating Humidity: 5% to 95% non-condensing</li> </ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>22.4W max.</li> </ul>
<b>Antenna</b>	<ul style="list-style-type: none"> <li>Type: 3 x Built-in antenna (2 x 2.4 GHz &amp; 5 GHz, 1 x Bluetooth Low Energy)</li> <li>Gain: 4.8 dBi (2.4 GHz), 6 dBi (5 GHz), 4.6 dBi (BLE)</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>Wall/Ceiling/T-bar mount (Mounting kit included)</li> </ul>
<b>Anti-theft</b>	<ul style="list-style-type: none"> <li>1 x Kensington lock slot</li> </ul>
WI-FI	
<b>Standards</b>	<ul style="list-style-type: none"> <li>802.11ax (Wi-Fi 6)</li> <li>Concurrent dual-band 2.4 GHz &amp; 5 GHz</li> </ul>
<b>Support 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 – 1200 Mbps (5 GHz, 20 / 40 / 80 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; MU-MIMO support</li> </ul>

## WI-FI

<b>Aggregate Conducted Transmit power*<sup>1</sup></b>	<ul style="list-style-type: none"> <li>• 2.4 GHz: 26dBm*<sup>2</sup></li> <li>• 5 GHz: 26dBm*<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 / 80Mhz</li> </ul>
<b>Frequency Range</b>	<ul style="list-style-type: none"> <li>• 2.400 –2.483 GHz</li> <li>• 5.150 –5.850 GHz</li> </ul>
<b>Operating Channels</b>	<ul style="list-style-type: none"> <li>• 5 GHz*<sup>3</sup>: 36 – 165 (US)</li> </ul>
<b>ESSID</b>	<ul style="list-style-type: none"> <li>• Up to 16 per radio (32 total)</li> </ul>
<b>Certification</b>	<ul style="list-style-type: none"> <li>• FCC, CE, LVD, NCC, BSMI, VCCI, JATE, TELEC, IC, C-Tick, Wi-Fi Certified</li> </ul>

\*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

<b>Physical Data Rate</b>	<ul style="list-style-type: none"> <li>• Up to 574 Mbps (2.4 GHz)</li> <li>• Up to 1,200 Mbps (5 GHz)</li> </ul>
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## FIRMWARE

Plume WorkPass Certified

## PART NUMBER

FIUEC0101006S	EAP101 (PFCC)	Edgecore EAP101 works with Plume in US
FIUEC0101007S	EAP101 (PCE)	Edgecore EAP101 works with Plume in CE compliance regions
FIUEC0101008S	EAP101 (PJP)	Edgecore EAP101 works with Plume in Japan