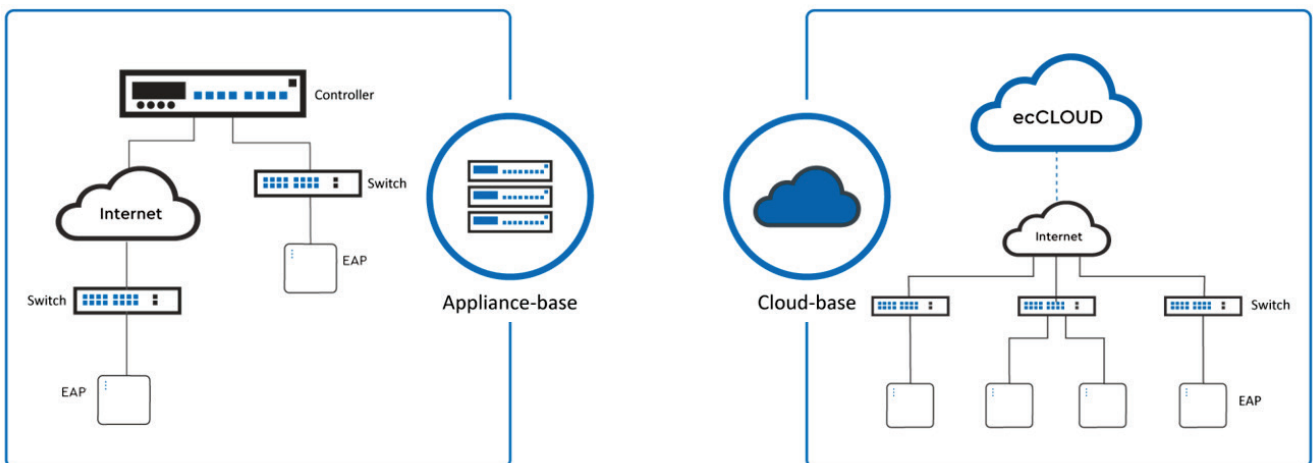


# EAP111e

## WI-FI 6 ACCESS POINT

### INTRODUCTION

EAP111e stands as an enterprise-grade, dual-band Wi-Fi 6 access point boasting a concurrent operation and an IP55-rated enclosure. With support for 2x2:2 uplink and downlink MU-MIMO between the access point and multiple clients, EAP111e delivers an impressive aggregated data rate of up to 3 Gbps. Notably, EAP111e comes equipped with a Bluetooth Low Energy (BLE) radio and ZigBee, enabling the integration of value-added applications such as iBeacon. Whether operating in standalone mode or under the management of Edgecore ecCLOUD, ecCLOUD-VPC, or EWS/VEWS Series controllers, EAP111e exemplifies versatility and high-performance connectivity.



### HIGHLIGHTS

- Wi-Fi 6 2x2 uplink and downlink MU-MIMO with up to 3 Gbps data rate
- Support up to 32 ESSIDs.
- Enterprise-Grade Wireless Security
- Bluetooth Low Energy (BLE) and ZigBee support
- IP55 rating

## SPECIFICATIONS

PHYSICAL	
<b>Power</b>	<ul style="list-style-type: none"> <li>DC Input: 12V / 2.0A (Power adapter not included)</li> <li>PoE: 802.3at compliant (PoE injector not included)</li> </ul>
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>410 mm (L) x 185 mm (W) x 39.45 mm (H)</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>0.63 kg</li> </ul>
<b>Interface</b>	<ul style="list-style-type: none"> <li>Uplink: 1 x 10/100/1000Base-T Ethernet, Auto MDIX, RJ-45 with 802.3at PoE</li> <li>LAN: 1 x 10/100/1000Base-T Ethernet, Auto MDIX, RJ-45</li> </ul>
<b>LED Indicator</b>	<ul style="list-style-type: none"> <li>1 tri-color LED: Power, Cloud Status, Uplink</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 45°C (113°F)</li> <li>Operating Humidity: 5% to 95% non-condensing</li> <li>IP55 Rating</li> </ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>21.4 W max.</li> </ul>
<b>Antenna</b>	<ul style="list-style-type: none"> <li>Type: External RP-SMA antenna (two antennas included with the AP)</li> <li>Gain: 4 dBi (2.4 GHz), 5 dBi (5 GHz), 5.2 dBi (BLE)</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>Wall/Ceiling mount (Mounting kit included), Pole mount (Mounting kit &amp; hose clamp optional)</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>802.11a/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>2.4 GHz: 2 x 2 ; 5 GHz: 3 x 3</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*1</b>	<ul style="list-style-type: none"> <li>2.4 GHz: Up to 25.5 dBm*2</li> <li>5 GHz: Up to 25 dBm*2</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 / 160 MHz</li> </ul>
<b>Frequency Range</b>	<ul style="list-style-type: none"> <li>2.401 – 2.483 GHz</li> <li>5.170 – 5.835 GHz</li> </ul>
<b>Operating Channels</b>	<ul style="list-style-type: none"> <li>2.4 GHz: 1-11 (US), 1-13 (Europe, Japan)</li> <li>5 GHz*3: 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 in total)</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>FCC, IC, CE, LVD, TELEC, VCCI, NCC, BSMI</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 and certifications.

**PERFORMANCE**

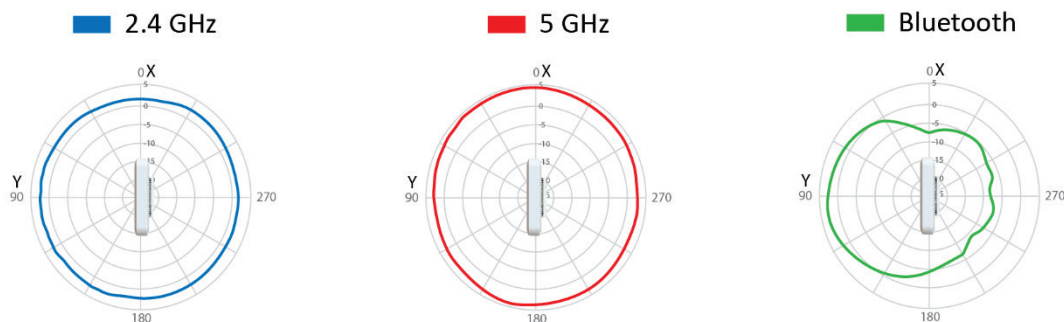
<b>Physical Data Rate</b>	<ul style="list-style-type: none"> <li>• Up to 574 Mbps (2.4 GHz)</li> <li>• Up to 2402 Mbps (5 GHz)</li> </ul>
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**FEATURES**

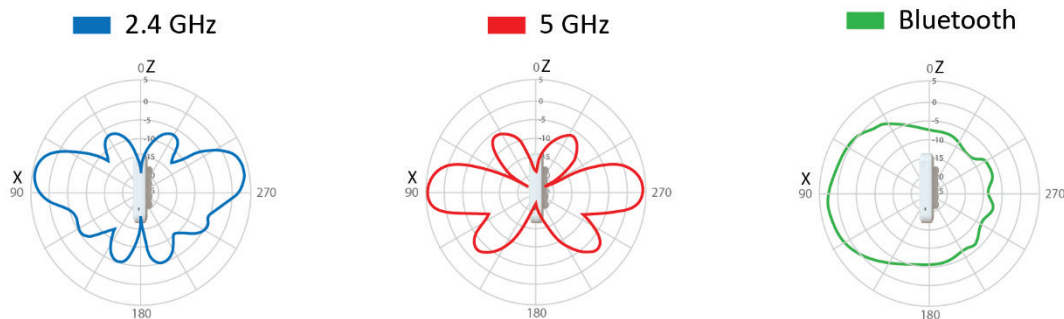
<b>Wireless</b>	<ul style="list-style-type: none"> <li>• 802.11 k/v/r</li> <li>• Orthogonal Frequency Division Multiple Access (OFDMA)</li> <li>• Client Isolation</li> <li>• Open Mesh (not in the first release)</li> <li>• BSS Coloring</li> <li>• Band Steering</li> <li>• Wi-Fi Enhanced Open (OWE)</li> <li>• Wireless Site Survey</li> </ul>
<b>Network</b>	<ul style="list-style-type: none"> <li>• Spanning Tree Protocol (STP)</li> <li>• Dynamic Host Configuration Protocol (DHCP)</li> <li>• 802.1q</li> <li>• Access Control List (ACL)</li> <li>• Network Address Translation (NAT)</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>• WPA-Personal (AES)</li> <li>• WPA-Enterprise (AES)</li> <li>• WPA2-Personal (AES)</li> <li>• WPA2-Enterprise (AES)</li> <li>• WPA3-Personal (AES)</li> <li>• WPA3-Personal Transition (AES)</li> <li>• WPA3-Enterprise transition (AES)</li> <li>• L3 Firewall</li> </ul>
<b>Maintenance</b>	<ul style="list-style-type: none"> <li>• Network Time Protocol (NTP)</li> <li>• Standalone</li> <li>• Management by ecCLOUD</li> <li>• Management by ecCLOUD-VPC</li> <li>• Management by EWS/VEWS Series Controller (Complete tunnel/Split Tunnel)</li> <li>• SSH</li> <li>• QR Code Onboarding</li> <li>• Remote Syslog</li> <li>• Zero Touch Provisioning (ZTP)</li> </ul>
<b>QoS</b>	<ul style="list-style-type: none"> <li>• RSSI Threshold (Optimal Client Filtering)</li> <li>• Multicast-to-Unicast Conversion</li> <li>• WME</li> </ul>
<b>Others</b>	<ul style="list-style-type: none"> <li>• Target Wake Time (TWT)</li> <li>• iBeacon</li> </ul>

**SIGNAL COVERAGE PATTERN**

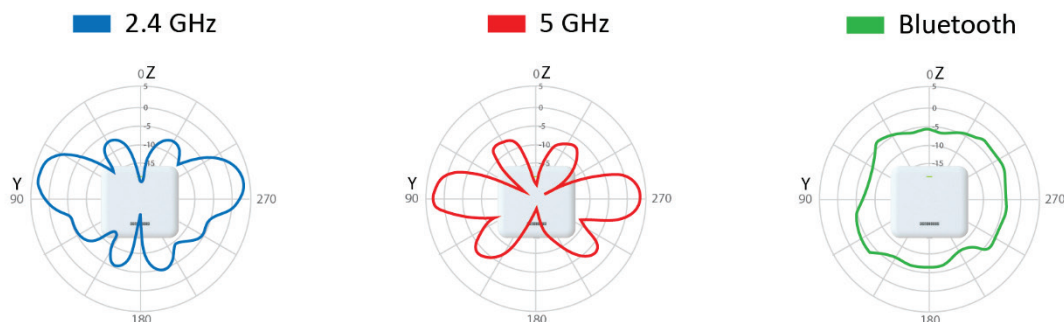
**Azimuth**



**Elevation ZX**



**Elevation ZY**



**OPTIONAL ACCESSORIES**

Part Number	Description	Remark
FI2WLP111002E	EAP111e (WW)	Edgecore EAP111e
131500000316A	Optional power adapter with changeable US / JP / EU / UK plugs	
131500000258A	Optional US/JP power adapter	Quantities of 96 in a carton
131500000259A	Optional EU power adapter	Quantities of 72 in a carton
131500000262A	Optional UK power adapter	Quantities of 72 in a carton
123400001540A	Optional metal pole mount bracket	
125900000249A	Optional hose clamp	