

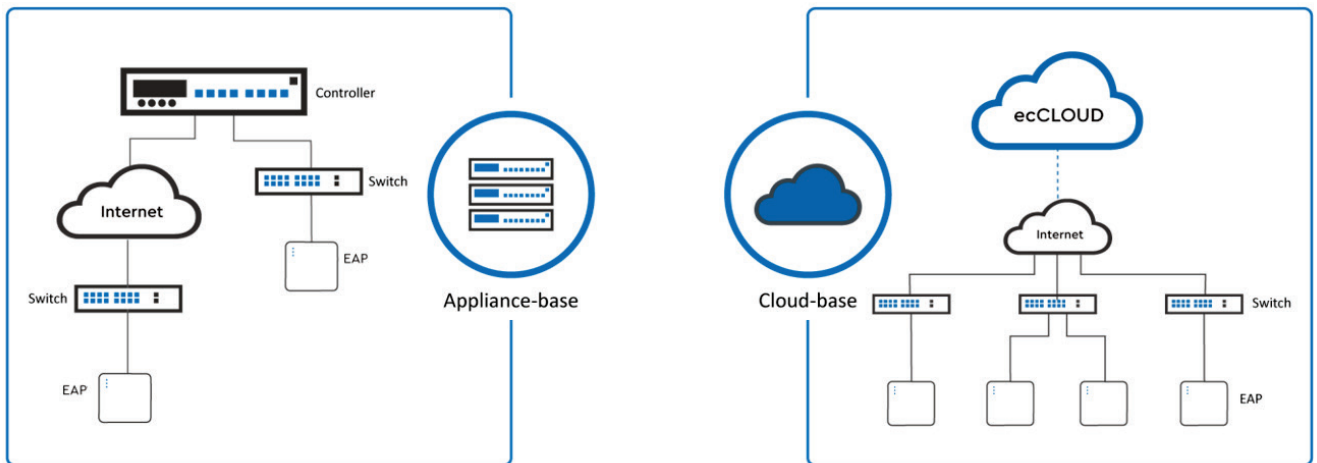


EAP111e

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	
Power	- DC Input: 12V / 2.0A (Power adapter not included) - PoE: 802.3at compliant (PoE injector not included)
Dimensions	410 mm (L) x 185 mm (W) x 39.45 mm (H)
Weight	0.63 kg
Interface	- Uplink: 1 x 10/100/1000Base-T Ethernet, Auto MDIX, RJ-45 with 802.3at PoE - LAN: 1 x 10/100/1000Base-T Ethernet, Auto MDIX, RJ-45
LED Indicator	1 tri-color LED: Power, Cloud Status, Uplink
Buttons	Restart / Reset
Environmental Conditions	- Operating Temperature: 0°C (32°F) to 45°C (113°F) - Operating Humidity: 5% to 95% non-condensing - IP55 Rating
Power Consumption	21.4 W max.
Antenna	- Type: External RP-SMA antenna (two antennas included with the AP) - Gain: 4 dBi (2.4 GHz), 5 dBi (5 GHz), 5.2 dBi (BLE)
Mounting	Wall/Ceiling mount (Mounting kit included), Pole mount (Mounting kit & hose clamp optional)
Anti-theft	1 x Kensington lock slot
WI-FI	
Standards	802.11a/b/g/n/ac/ax (Wi-Fi 6) - Concurrent dual-band 2.4 & 5 GHz
Supported Data Rates	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 – 2402 Mbps (5 GHz, 20 / 40 / 80 / 160 MHz)
Radio Chains	2.4 GHz: 2 x 2 ; 5 GHz: 3 x 3
Spatial Streams	2; Uplink and downlink MU-MIMO support
Aggregate Conducted Transmit Power* ¹	2.4 GHz: Up to 25.5 dBm*² 5 GHz: Up to 25 dBm*²
Channelization	2.4 GHz: 20 / 40 MHz 5 GHz: 20 / 40 / 80 / 160 MHz
Frequency Range	2.401 – 2.483 GHz 5.170 – 5.835 GHz
Operating Channels	2.4 GHz: 1-11 (US), 1-13 (Europe, Japan) 5 GHz*³: 36-165 (US), 36-140 (Europe), 36-144 (Japan)
ESSIDs	Up to 16 per radio (32 in total)
Certifications	FCC, IC, CE, LVD, TELEC, VCCI, NCC, BSMI

*1: RF output power aggregates across MIMO chains and doesn't contain antenna gain

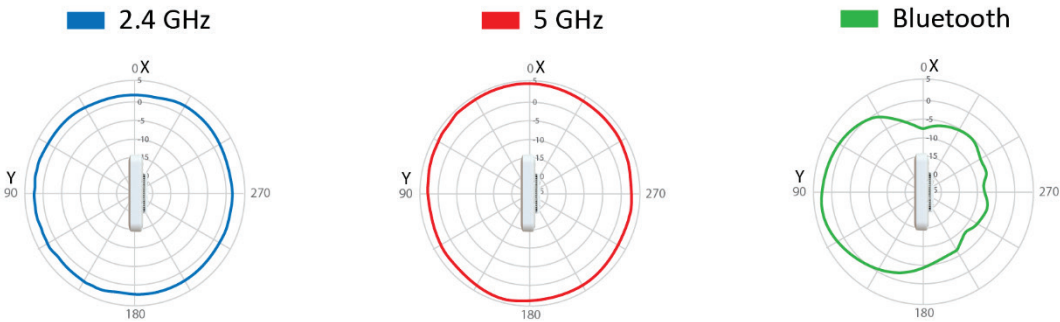
*2: Maximum power is limited by local regulatory requirements

*3: Some channels are restricted by local regulatory and certifications.

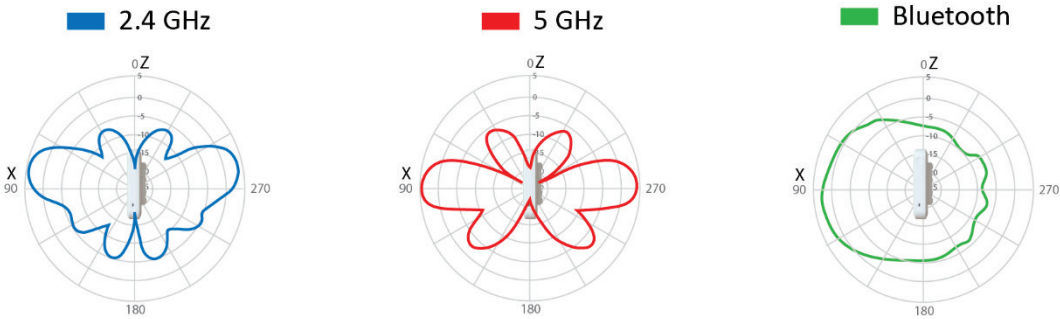
PERFORMANCE	
Physical Data Rate	- Up to 574 Mbps (2.4 GHz) - Up to 2402 Mbps (5 GHz)
FEATURES	
Wireless	802.11 k/v/r - Orthogonal Frequency Division Multiple Access (OFDMA) - Client Isolation - Open Mesh (not in the first release) - BSS Coloring - Band Steering - Wi-Fi Enhanced Open (OWE) - Wireless Site Survey
Network	- Spanning Tree Protocol (STP) - Dynamic Host Configuration Protocol (DHCP) 802.1q - Access Control List (ACL) - Network Address Translation (NAT)
Security	- WPA-Personal (AES) - WPA-Enterprise (AES) - WPA2-Personal (AES) - WPA2-Enterprise (AES) - WPA3-Personal (AES) - WPA3-Personal Transition (AES) - WPA3-Enterprise transition (AES) - L3 Firewall
Maintenance	- Network Time Protocol (NTP) - Standalone - Management by ecCLOUD - Management by ecCLOUD-VPC - Management by EWS/VEWS Series Controller (Complete tunnel/Split Tunnel) - SSH - QR Code Onboarding - Remote Syslog - Zero Touch Provisioning (ZTP)
QoS	- RSSI Threshold (Optimal Client Filtering) - Multicast-to-Unicast Conversion - WME
Others	- Target Wake Time (TWT) - iBeacon

SIGNAL COVERAGE PATTERN

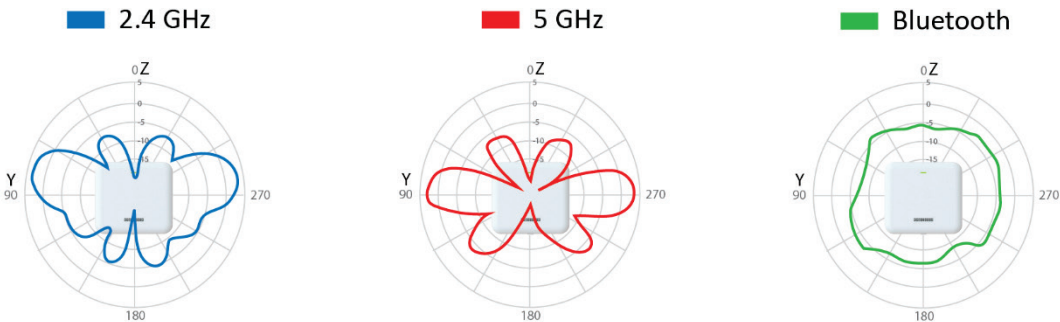
Azimuth



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	