## Overview

* Wi-Fi 6 Dual Band 2x2 (2.4/5GHz)
* Uplink: 1 x 2.5Gb (RJ-45) with PoE-In
* LAN: 4 x 1Gb (RJ-45) – 1 port provides PoE out
* Passthrough RJ-45 connector



**Manufacturer**: EdgeCore

## Specifications

**Radios:**

* Concurrent Dual-Band 2.4 GHz & 5 GHz
* 802.11ax 2x2:2 UL MU-MIMO supporting up to 3 Gbps data rate
* Bluetooth Low Energy (BLE) and ZigBee support

**Interfaces:**

* Uplink: 1 x 10/100/1000-T Ethernet, Auto MDIX, RJ-45 with standard PoE input
* LAN: 4 x 10/100/1000-T Ethernet, Auto MDIX, RJ-45
* Pass-Thru: 1 x pass-through port from rear to bottom
* USB: 1 x Micro-USB Port

**Physical**

* Dimensions (L x W x H): 160.5 mm (L) x 89.5 mm (W) x 34 mm (H)
* Power options
	+ DC Input: 12V / 2.0A (Adapter AC Input: 100–240 VAC, 50-60 Hz DC Output:
	12 VDC, 2 A)
	+ PoE input: 802.3at/af compliant - 22.4 W max, 48 VDC–55 VDC; 802.3at-compliant
* Weight: 1 lb (0.45 kg)
* 5 X LED Indicator (Power, Cloud Status, 5G-WiFi, 2.4G-WiFi / uplink)
* Buttons: Restart
* Environmental Conditions
	+ Operating Temperature: 32°F (0°C) to 113°F (45°C)
	+ Operating Humidity: 5% to 95% non-condensing
* Power Consumption: 12.9 W max
* Antenna
	+ Type: 5 x Built-in antenna (2 x 2.4 GHz, 2 x 5 GHz, 1 x Bluetooth Low Energy)
	+ Gain: 3.9 dBi (2.4 GHz), 5.2 dBi(5 GHz), 4 dBi(BLE)
* Mounting options
	+ Wallplate (standard bracket)
	+ Wallmount (standard bracket)
	+ Desktop (optional stand)
	+ Anti-theft: 1 x screw lock

**Radio**

* Standards 802.11ax (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 x 2
* Spatial Streams: 2; 2; Uplink and downlink MU-MIMO support
* Aggregate Conducted Transmit Power
	+ 2.4 GHz: Up to 22 dBm
	+ 5 GHz: Up to 22 dBm
* Channelization
	+ 2.4 GHz: 20 / 40 MHz
	+ 5 GHz: 20 / 40 / 80 /160Mhz
* Frequency Range
	+ 2.401 –2.483 GHz
	+ 5.170 –5.835 GHz s
* Operating Channels
	+ 2.4 GHz: 1-11 (US), 1-13 (Europe), 1-13 (Japan)
	+ 5 GHz3 : 36-165 (US), 36-140 (Europe), 36-144 (Japan)

**Regulatory Compliance**

* Radio: EN300 328 V2.2.2 (2019-07) EN301 893 V2.1.1(2017-05) 47 CFR FCC Part 15.247 47 CFR FCC Part 15.407 IC RSS-247 Issue 2 and RSS-Gen Issue 5 NCC LP0002 Section 4.10.1 (2020-07-01) NCC LP0002 Section 5.7 (2020-07-01) MIC certification Rule, Article 2 Paragraph 1 Item 19 MIC certification Rule, Article 2 Paragraph 1 Item 19-3
* Emissions: EN 301 489-1 V2.1.1 (2017-02) EN 301 489-17 V3.1.1 (2017-02) EN 55032:2015 AS/NZS CISPR 32:2015, Class B 47 CFR FCC Rules and Regulations Part 15 Subpart B, Class B Digital Device ICES-003, Issue 7 Class B CNS 13438 terminal equipment design certification, Article 3, Article 4, Article 6, Article 9 and Article 34 regulation
* Safety: Low Voltage Directive IEC 62368-1:2014;and/or EN 62368-1:2014+A11:2017; and/or BS 62368-1:2014+A11:2017 CNS 14336-1 IEC/EN 62368-1, IEC/EN 60950-1
* Taiwan RoHS: CNS 15663

## What’s in the box

**Package Content:**

* EAP104 (T)/EAP104 (TL) access point (EAP104 (TL) does not include BLE, Zigbee and PoE out)
* Mounting bracket accessary
* Mounting bracket T8 security screw
* RJ-45 short cable
* Screw kit-4 screws and 4 plugs

## Interface overview

* Pass-Thru Port: Bottom panel to rear panel connection
* LAN4 Port: 1Gbps LAN Connection and PoE out port
* LAN1-LAN3 Ports: 1Gbps connections to LAN devices
* Uplink(PoE) Port: 1Gbps connection to 802.3at PoE
* 12 VDC power input
* Console port
* Restart/Restart button
	+ A quick press restarts the system
	+ Press and hold for 5 seconds resets to factory default
* System LED Indicators
	+ Uplink: Green (link), Blinking (traffic)
	+ 2.4G WiFi: On (radio on),Blinking (traffic)
	+ 5G WiFi: On (radio on),Blinking (traffic)
	+ Cloud: TBD
* Power/Status: On (power OK),Blinking (boot up)