

Safety and Regulatory Information



Duo-AP

Duo-LT

Safety and Regulatory Information

FCC Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

IMPORTANT NOTE

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

Professional Installation Instructions

1. Installation personnel

This product is designed for specific applications and should be installed by qualified personnel who have knowledge of RF and its related regulations. A general user shall not attempt to install or modify the equipment configuration.

2. Installation location

To meet regulatory RF exposure requirements, this product shall be installed at a location where, during normal operations, the radiating antenna is at least 20 cm away from any nearby persons.

3. External antenna

Use only the antennas which have been approved by the applicant. Using non-approved antenna(s) is prohibited and may produce unwanted spurious or excessive RF transmitting power which may lead to a violation of FCC limits.

4. Installation procedure

Please refer to this equipment's user manual for the procedure details.

5. Warning

The installation position must be carefully selected so that the final output power does not exceed the limit set forth in relevant regulations. Violation of output power regulations could lead to serious federal penalties.

CE Statement

This equipment complies with EU radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

All operational modes:

2.4 GHz: 802.11b, 802.11g, 802.11n (HT20), 802.11n (HT40), 802.11ac (VHT20), 802.11ac (VHT40), 802.11ax (HE20), 802.11ax (HE40)

5 GHz: 802.11a, 802.11n (HT20), 802.11n (HT40), 802.11ac (VHT20), 802.11ac (VHT40), 802.11ac (VHT80), 802.11ax (HE20), 802.11ax (HE40), 802.11ax (HE80)

BLE 2.4 GHz: 802.15.1

The frequency and maximum transmitted power limit in EU are listed as below:

2412-2472 MHz: 20 dBm
5150-5350 MHz: 23 dBm
5500-5700 MHz: 30 dBm



AT	BE	BG	CH	CY	CZ
DE	DK	EE	EL	ES	FI
FR	HR	HU	IE	IS	IT
LI	LT	LU	LV	MT	NL
NO	PL	PT	RO	SE	SI
SK	TR	UK			

The abbreviations of the countries, as prescribed in above table, where any restrictions on putting into service or any requirements for authorization of use exist.



CE Mark Declaration of Conformance for EMI and Safety (EEC)

This information technology equipment is in compliance with the Directive 2014/53/EU and Directive 2014/35/EU.

The Declaration of Conformity (DoC) can be obtained from www.edgcore.com -> support -> download.

Japan VCCI Statement

この装置は、クラスB機器です。この装置は、住宅環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

VCCI - B

5 GHz band (W52, W53): Indoor use only

Warnings and Cautionary Messages



Warning: This product does not contain any serviceable user parts.



Warning: Installation and removal of the unit must be carried out by qualified personnel only.



Caution: Wear an anti-static wrist strap or take other suitable measures to prevent electrostatic discharge when handling this equipment.



Caution: Do not plug a phone jack connector in the RJ-45 port. This may damage this device.



Caution: Use only twisted-pair cables with RJ-45 connectors that conform to FCC standards.

Hardware Specifications

AP Chassis

Size (WxDxH)	210 x 195 x 40 mm (8.27 x 7.68 x 1.57 in.)
Weight	1.14 kg (2.51 lb)
Temperature	Operating: -30° C to 50° C (-22° F to 122° F) Storage: -40° C to 60° C (-40° F to 140° F)
Humidity	Operating: 5% to 95% (non-condensing)
Waterproof Rating	IP65

Network Interfaces

Ports	Uplink (PoE) RJ-45 Port: 1000BASE-T, PoE PD LAN RJ-45 Port: 1000BASE-T
2.4 GHz Radio	IEEE 802.11b/g/n/ac/ax
5 GHz Radio	IEEE 802.11a/ac/n/ax
HaLow™ Radio (EAP112 & EAP112-H only)	IEEE 802.11ah
Bluetooth Radio	IEEE 802.15.1
Radio Frequencies	2.4–2.4835 GHz (US, ETSI, Japan) 5.15–5.25 GHz (lower band) US 5.250–5.320 GHz (DFS band) US 5.470–5.725 GHz (DFS band) US 5.725–5.825 GHz (upper band) US Europe: 5.15–5.25 GHz, 5.25–5.35, 5.47–5.725 GHz Japan: 5.15–5.25 GHz, 5.25–5.35, 5.47–5.73 GHz HaLow™ (EAP112 & EAP112-H only): Halow™ (FCC): 902–928 MHz Halow™ (CE): 863–868 MHz Halow™ (JP): 923–927 MHz LTE (EAP112 & EAP112-L only): LTE-FDD (US/ETSI/Japan) B1/B2/B3/B4/ B5/B7/B8/B12/B13/B14/B17/B18/ B19/B20/B25/B26/B28/B29/B30/B32/ B66/B71 LTE-TDD (US/ETSI/Japan) B34/B38/B39/ B40/B41/B42/B43/B46(LAA)/B48(CBRS) WCDMA (US/ETSI/Japan) B1/B2/B3/B4/ B5/B6/B8/B19

Power Specifications

PoE Input Power	25.5 W max 802.3at compliant
AC Power Adapter	AC Input: 100–240 VAC, 50-60 Hz DC Output: 12 VDC, 2 A

Regulatory Compliances

Radio	EN300 328 V2.2.2 (2019-07) EN301 893 V2.1.1(2017-05) EN300 220: HaLow 47 CFR FCC Part 15.247 47 CFR FCC Part 15.407 MIC certification Rule, Article 2 Paragraph 1 Item 19 MIC certification Rule, Article 2 Paragraph 1 Item 19-3
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Regulatory Compliances

Emissions	EN 301 489-1 V2.2.3 (2019-11) EN 301 489-17 V3.2.4 (2020-09) EN 301 489-3/-52 V1.2.1 (2021-11) EN 55032/35 A1/A11 2020 47 CFR FCC Rules and Regulations Part 15 Subpart B, Class B Digital Device 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 IEC/EN 62368-1, IEC/EN 60950-1