



Certificate of Radio Equipment in JAPAN 201-230467 / 00

Issued 01 August 2023
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This certificate has THREE Annexes

Kiwa Nederland B.V., operating as Japan Conformity Assessment Body (CAB ID Number: 201), according procedure RD_740, declares that the listed product complies with the Technical Regulations Conformity Certification of Specified Radio equipment (ordinance of MPT N° 37,1981)

Product description: Cabin Wireless Access Point
Trademark: Astronics CSC
Type designation: CabinAXe
Hardware / Software: 700-00016-000(Aruba AP-635) / ArubaOS and Aruba InstantOS 8.9.0.0

Manufacturer: Astronics Connectivity Systems & Certification
Address: 804 S Northpoint Blvd,
City: Waukegan, IL 60085,
Country: USA

This certificate is granted to:

Name: Astronics Connectivity Systems & Certification
Address: 804 S Northpoint Blvd,
City: Waukegan, IL 60085,
Country: USA

Ron Scheepers
Managing director



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[https://www.kiwa.com/nl/en/markets/
radio-wireless-and-electrical-
equipment/](https://www.kiwa.com/nl/en/markets/radio-wireless-and-electrical-equipment/)

Chamber of commerce
08090048

- The validity of this Certificate is limited to products, which are equal to the one examined in the type-examination
- When the manufacturer (or holder of this certificate) is placing the product on the Japanese market, the product must be affixed with the following Specified Radio Equipment marking:

**Remarks and observations**

The following conditions are applicable:

DFS operation: Master

Antennas for IEEE 802.11a/b/g/n/ac/ax:

PIFA antenna, max gain of 2.9 dBi at 2.4 GHz and max gain of 4.9 dBi at 5 GHz

Antennas for Bluetooth & ZigBee:

PIFA antenna, max gain of 3 dBi at 2.4 GHz

Documentation lodged for this type-examination

Test Reports:

- MRT Technology (Suzhou) Co., Ltd.: 2101RSU034-J1, 21 May 2021
- MRT Technology (Suzhou) Co., Ltd.: 2101RSU034-J2, 21 May 2021
- MRT Technology (Suzhou) Co., Ltd.: 2101RSU034-J3, 11 June 2021
- MRT Technology (Suzhou) Co., Ltd.: 2101RSU034-J4, 11 June 2021
- MRT Technology (Suzhou) Co., Ltd.: 2101RSU034-J5, 09 July 2021
- MRT Technology (Suzhou) Co., Ltd.: 2209RSU037-J1, 27 October 2022

Product Documentation:

- Assembly drawings
- Bill of materials
- Block diagram
- Electrical diagrams
- Antenna specifications
- Internal photos
- External photos
- Manual
- Production quality
- Test setup photos

Technical Standards and Specifications

The product shows no non-compliances with:

- Equipment Radio Regulations: 2008 (including amendments)

Chapter I, General Provisions

Chapter II, Transmitting equipment

Chapter III, Receiving Equipment

Chapter IV, section 4.17 article 49.20

Radio equipment specified in:

Item 19, Paragraph 1, Article 2

Item 19-3, Paragraph 1, Article 2

Technical features and characteristics

The product includes the following features and characteristics:

Zigbee

- Operating frequency range: 2405-2480 MHz (16 channels)
- ITU designation: 2M34 G1D
- Maximum output power: 5 mW/MHz rated

Bluetooth LE_1M

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: 1M28 F1D
- Maximum output power: 5 mW rated

Bluetooth LE_2M

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: 2M16 F1D
- Maximum output power: 5 mW rated

IEEE 802.11b

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 13M0 G1D
- Maximum output power: 10 mW/MHz rated

IEEE 802.11g

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 16M5 D1D,G1D
- Maximum output power: 10 mW/MHz rated

IEEE 802.11n 20 MHz

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 17M6 D1D,G1D
- Maximum output power: 10 mW/MHz rated

IEEE 802.11n 40 MHz

- Operating frequency range: 2422-2462 MHz (9 channels)
- ITU designation: 36M0 D1D,G1D
- Maximum output power: 5 mW/MHz rated

IEEE 802.11ax (HEW20)

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 18M9 D1D,G1D
- Maximum output power: 10 mW/MHz rated

IEEE 802.11ax (HEW40)

- Operating frequency range: 2422-2462 MHz (9 channels)
- ITU designation: 37M7 D1D,G1D
- Maximum output power: 5 mW/MHz rated

IEEE 802.11a

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: 16M4 D1D,G1D
- Maximum output power: 5 mW/MHz rated

IEEE 802.11n/ac (VHT20)

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: 17M6 D1D,G1D
- Maximum output power: 5 mW/MHz rated

IEEE 802.11n/ac (VHT40)

- Operating frequency range: 5190-5230 MHz (2 channels)
- ITU designation: 36M0 D1D,G1D
- Maximum output power: 2.5 mW/MHz rated

IEEE 802.11ac (VHT80)

- Operating frequency range: 5210-5210 MHz
- ITU designation: 75M2 D1D,G1D
- Maximum output power: 1.25 mW/MHz rated

IEEE 802.11a

- Operating frequency range: 5260-5320 MHz (4 channels)
- ITU designation: 16M4 D1D,G1D
- Maximum output power: 5 mW/MHz rated

IEEE 802.11n/ac (VHT20)

- Operating frequency range: 5260-5320 MHz (4 channels)
- ITU designation: 17M6 D1D,G1D
- Maximum output power: 5 mW/MHz rated

IEEE 802.11n/ac (VHT40)

- Operating frequency range: 5270-5310 MHz (2 channels)
- ITU designation: 36M0 D1D,G1D
- Maximum output power: 2.5 mW/MHz rated

IEEE 802.11ac (VHT80)

- Operating frequency range: 5290-5290 MHz
- ITU designation: 75M2 D1D,G1D
- Maximum output power: 1.25 mW/MHz rated

IEEE 802.11a

- Operating frequency range: 5500-5720 MHz (12 channels)
- ITU designation: 16M4 D1D,G1D
- Maximum output power: 10 mW/MHz rated

IEEE 802.11n/ac (VHT20)

- Operating frequency range: 5500-5720 MHz (12 channels)
- ITU designation: 17M7 D1D,G1D
- Maximum output power: 10 mW/MHz rated

IEEE 802.11n/ac (VHT40)

- Operating frequency range: 5510-5710 MHz (6 channels)
- ITU designation: 36M0 D1D,G1D
- Maximum output power: 5 mW/MHz rated

IEEE 802.11ac (VHT80)

- Operating frequency range: 5530-5690 MHz (3 channels)
- ITU designation: 75M3 D1D,G1D
- Maximum output power: 2.5 mW/MHz rated

IEEE 802.11ax (HEW20)

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: 18M9 D1D,G1D
- Maximum output power: 5 mW/MHz rated

IEEE 802.11ax (HEW40)

- Operating frequency range: 5190-5230 MHz (2 channels)
- ITU designation: 37M7 D1D,G1D
- Maximum output power: 2.5 mW/MHz rated

IEEE 802.11ax (HEW80)

- Operating frequency range: 5210-5210 MHz
- ITU designation: 77M0 D1D,G1D
- Maximum output power: 1.25 mW/MHz rated

IEEE 802.11ax (HEW20)

- Operating frequency range: 5260-5320 MHz (4 channels)
- ITU designation: 18M9 D1D,G1D
- Maximum output power: 5 mW/MHz rated

IEEE 802.11ax (HEW40)

- Operating frequency range: 5270-5310 MHz (2 channels)
- ITU designation: 37M7 D1D,G1D
- Maximum output power: 2.5 mW/MHz rated

IEEE 802.11ax (HEW80)

- Operating frequency range: 5290-5290 MHz
- ITU designation: 77M1 D1D,G1D
- Maximum output power: 1.25 mW/MHz rated

IEEE 802.11ax (HEW20)

- Operating frequency range: 5500-5720 MHz (12 channels)
- ITU designation: 19M0 D1D,G1D
- Maximum output power: 10 mW/MHz rated

IEEE 802.11ax (HEW40)

- Operating frequency range: 5510-5710 MHz (6 channels)
- ITU designation: 37M7 D1D,G1D
- Maximum output power: 5 mW/MHz rated

IEEE 802.11ax (HEW80)

- Operating frequency range: 5530-5690 MHz (3 channels)
- ITU designation: 77M2 D1D,G1D
- Maximum output power: 2.5 mW/MHz rated

The product as described in this Certificate includes the following type designations:

- | | |
|------------------------|-------------------------------------|
| - Product description: | Cabin Wireless Access Point |
| - Trademark: | Astronics CSC |
| - Type designation: | CabinAXe |
| - Hardware version: | 700-00016-000(Aruba AP-635) |
| - Software version: | ArubaOS and Aruba InstantOS 8.9.0.0 |