

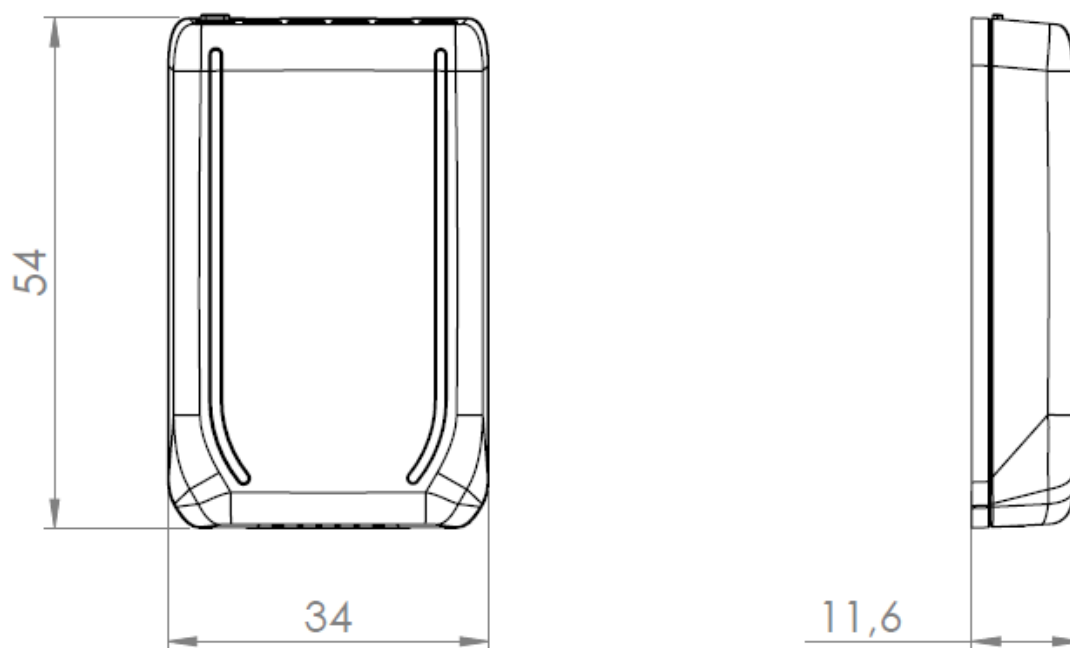


# AC Cloud Control

**INWFIMHI001I1XX**

**Wi-Fi interface for Mitsubishi Heavy Industries  
air conditioners**

## 1. Dimensions



**Figure 1.1** AC Cloud Control device dimensions in mm

## 2. Technical Features

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Enclosure                        | ABS (UL 94 V-0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Protection                       | IP20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Dimensions                       | 34 x 54 x 12 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Weight                           | 20g                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Dimensions (including packaging) | 133 x 135 x 35 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Weight (including packaging)     | 120 g                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Colour                           | Light grey NCS S 1002-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Power supply                     | 12V, 50mA typical<br>Doesn't require external power supply (supplied by the AC Unit)<br>Connection cable supplied                                                                                                                                                                                                                                                                                                                                                                                                              |
| Radio Parameters                 | Wi-Fi 802.11 (b/g/n)<br>RF Frequency band: 2.4 GHz. <i>Consult annex 1 for further information</i><br>Output power (average): 8 dBm ( <i>Modulated signal at antenna chip; 11Mb/Sec.</i> )<br>Bluetooth v4.2 BR/EDR and BLE specification                                                                                                                                                                                                                                                                                      |
| Mounting                         | Inside or Outside AC unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| LED indicators                   | 1 x Device status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Operating Temperature            | From 0°C to 70°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Storage temperature              | From -20°C to 85°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Operating humidity               | 5% to 95% HR, no condensation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Storage humidity                 | <93% HR, no condensation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Certifications                   | CE conformity to EMC directive (2014/53/EU). <ul style="list-style-type: none"> <li>• EN 62368-1:2014 + A11:2020</li> <li>• AS/NZS 62368.1:2018</li> <li>• ETSI EN 300 328 V2.2.2</li> <li>• ETSI EN 303 446-1 V1.2.1</li> <li>• ETSI EN 301 489-17 V3.2.4</li> <li>• ETSI EN 301 489-1 V2.2.3</li> <li>• ETSI EN 301 446-1 V1.2.1</li> <li>• EN 55032:2015 + AC:2016 + A11:2020</li> <li>• EN 55035:2017 + A11:2020</li> <li>• Regulations: FCC/IC</li> </ul> Standards: Title 47 CFR Part 15B<br>ICES-003 ( <i>Issue 7</i> ) |

**Table 2.1** Technical features

## Annex 1

The device can be configured in 3 different RF Modes:

- USA: 2412 – 2462 MHz (11 channels)
- Europe: 2412 – 2472 MHz (13 channels)
- Japan: 2412 – 2484 MHz (14 channels)

The factory settings are set to work in the most restrictive mode, USA: 2412 – 2462 MHz. Therefore, if the user doesn't change any of these parameters, the gateway is compliant with the most restrictive RF regulations, stricter than European's.

# Mouser Electronics

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