



AC Cloud Control

INWFIUNI001I0XX

Wi-Fi interface for IR communication with air conditioners

1. Dimensions

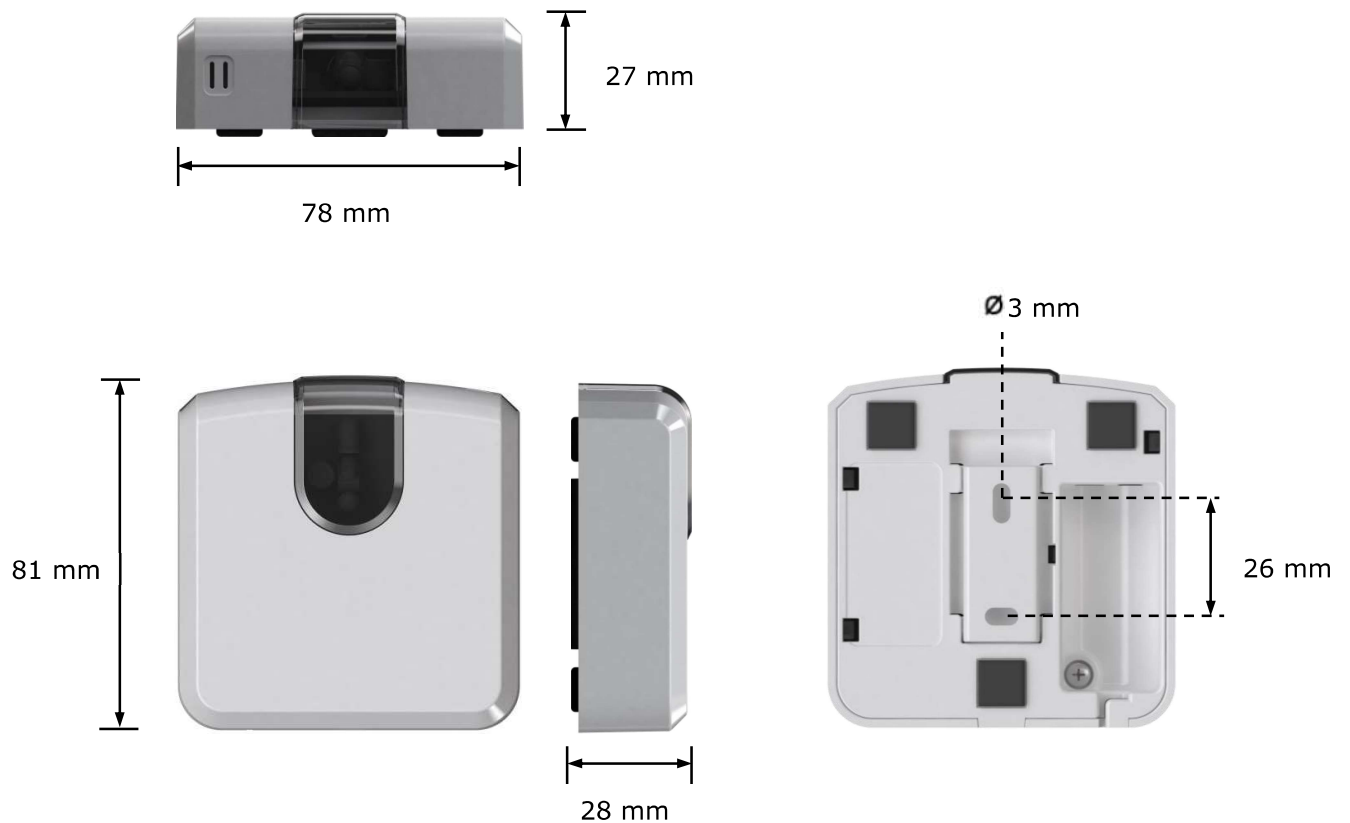


Figure 1.1 Device dimensions in mm and back view with fixing holes

2. Technical Features

Enclosure	ABS (V-0, 5VB). 2,1 mm thickness PC (V-2). 1 mm thickness
Dimensions	81 x 78 x 28 mm
Weight	76 g
Colour	White
Power supply	5VDC 0,25 A NEC Class 2 or Limited Power Source (LPS) and SELV rated Power supply
Radio Parameters	RF Frequency band: 2.4 GHz. <i>Consult annex 1 for further information</i> Output power (typical): 14/20 dBm
WIFI	Wi-Fi 802.11 b/g/n (802.11n up to 150 Mbps) Wi-Fi module 2AC7Z-ESPWROOM02.
Mounting	Wall
LED indicators	1 x Device status
Button	1 x Push button
Temperature sensor	1 x Internal temperature sensor
Infrared communication	1 x Infrared receiver 2 x Infrared emitter
Binary Input	1 x Minijack connection (3.5mm stereo jack) Signal cable length: 5m unshielded, may be extended up to 20m if twisted. Compliant with the following standards: IEC61000-4-2: level 4 – 15kV (air discharge) – 8kV (contact discharge) MIL STD 883E-Method 3015-7: class3B
Operating Temperature	From 0°C to 40°C
Operating humidity	<93% HR, no condensation
Stock humidity	<93% HR, no condensation
RoHS conformity	Compliant with RoHS directive (2011/65/EU).

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.