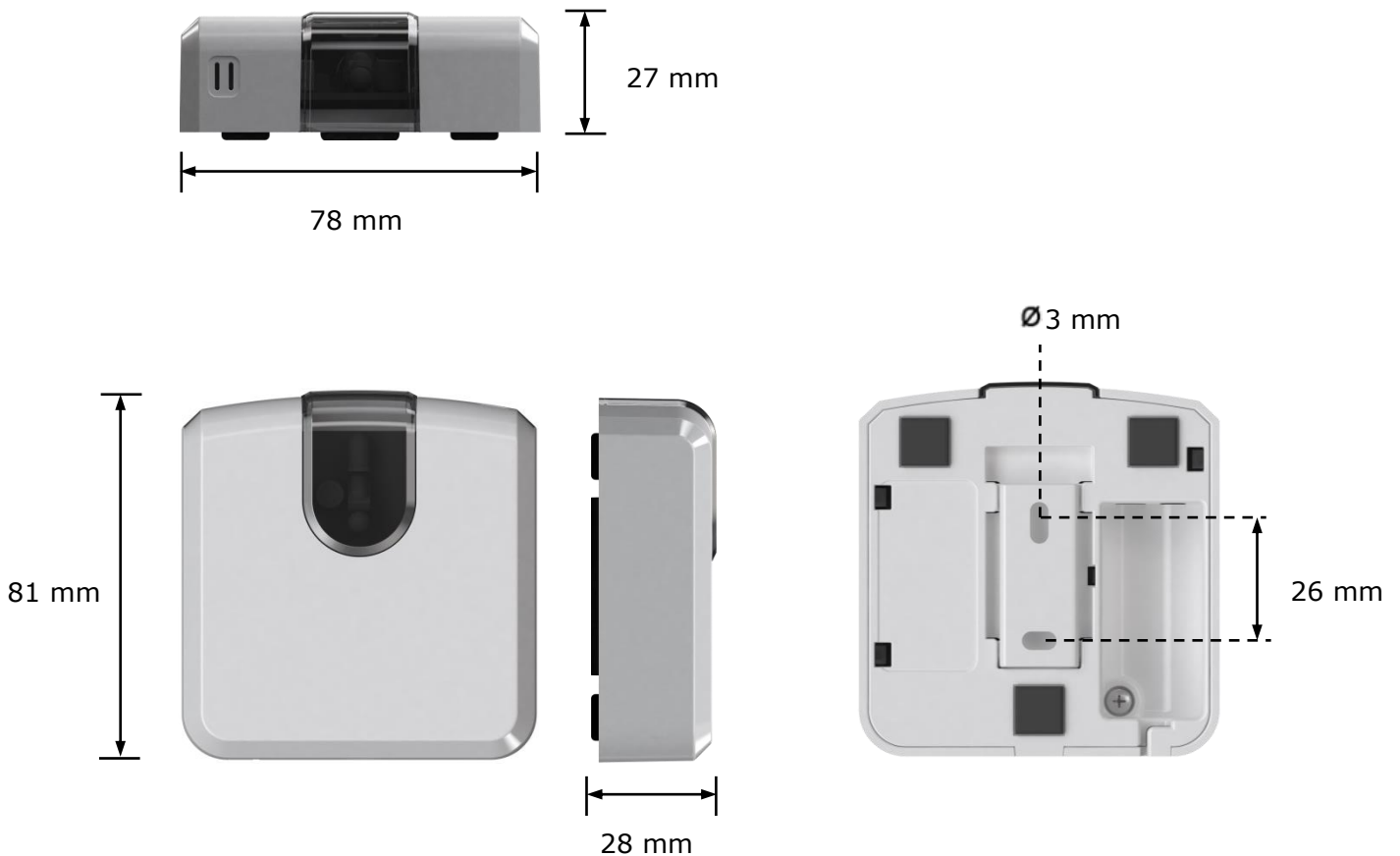


# AC Cloud Control

## 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

<b>Enclosure</b>	ABS (V-0, 5VB). 2,1 mm thickness PC (V-2). 1 mm thickness
<b>Dimensions</b>	81 x 78 x 28 mm
<b>Weight</b>	76 g
<b>Colour</b>	White
<b>Power supply</b>	5VDC 0,25 A NEC Class 2 or Limited Power Source (LPS) and SELV rated Power supply
<b>Radio Parameters</b>	RF Frequency band: 2.4 GHz. <i>Consult annex 1 for further information</i> Output power (typical): 14/20 dBm
<b>WIFI</b>	Wi-Fi 802.11 b/g/n (802.11n up to 150 Mbps) Wi-Fi module 2AC7Z-ESPWROOM02.
<b>Mounting</b>	Wall
<b>LED indicators</b>	1 x Device status
<b>Button</b>	1 x Push button
<b>Temperature sensor</b>	1 x Internal temperature sensor
<b>Infrared communication</b>	1 x Infrared receiver 2 x Infrared emitter
<b>Binary Input</b>	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
<b>Operating Temperature</b>	From 0°C to 40°C
<b>Operating humidity</b>	<93% HR, no condensation
<b>Stock humidity</b>	<93% HR, no condensation
<b>RoHS conformity</b>	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.