



Intesis[®]
BY HMS NETWORKS

INWMPDAI001I000
DK-AC-WMP-1

Wi-Fi interface for Daikin Air Conditioners

1. Introduction

Intesis INWMPDAI001I000 (DK-AC-WMP-1) allows a complete and natural integration of Daikin Air Conditioners into IP based control systems. Compatible with Domestic Air Conditioners commercialized by Daikin.

- Quick and easy installation.
- External power not required.
- Direct connection to the smart hub or home's IP based control system.
- Direct connection to the AC indoor unit.
- Total Control and Supervision.
- Real states of the AC unit's internal variables.
- Allows using simultaneously the Daikin remote controllers¹.

¹ INWMPDAI001I000 is connected to the S21 connector, so no other controllers can be connected to this same bus.

2. Dimensions

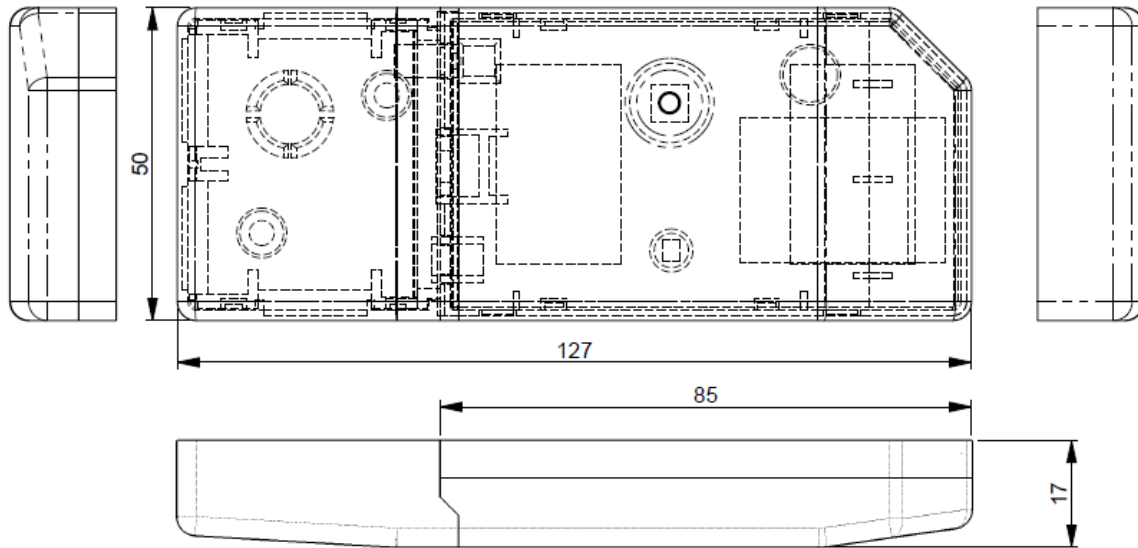


Figure 2.1 Device dimensions in mm and back view

3. Technical Features

Enclosure	ABS (UL 94 V-0). 2,1 mm thickness
Dimensions	127 x 50 x 17 mm
Weight	80g
Colour	White
Power supply	12V, 60mA typical Doesn't require external power supply (supplied by the AC Unit)
Radio Parameters	Wi-Fi 802.11 (b/g/n) RF Frequency band: 2.4 GHz. <i>Consult annex 1 for further information</i> Output power (average): 8 dBm (<i>Modulated signal at antenna chip; 11Mb/Sec.</i>)
Mounting	Wall
LED indicators	1 x Device status
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 3.1 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.