



Intesis[®]
BY HMS NETWORKS

INWMPMHI001I000
MH-AC-WMP-1

Wi-Fi interface for Mitsubishi Heavy Domestic line Air Conditioners

1. Introduction

Intesis INWMPMHI001I000 (MH-AC-WMP-1) allows a complete and natural integration of Mitsubishi Heavy Air Conditioners into IP based control systems. Compatible with Domestic line Air Conditioners commercialized by Mitsubishi Heavy.

- 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 Mitsubishi Heavy remote controllers¹.

¹ INWMPMHI001I000 is connected to the CNS connector, so no other controllers can be connected to this same bus.

2. Dimensions

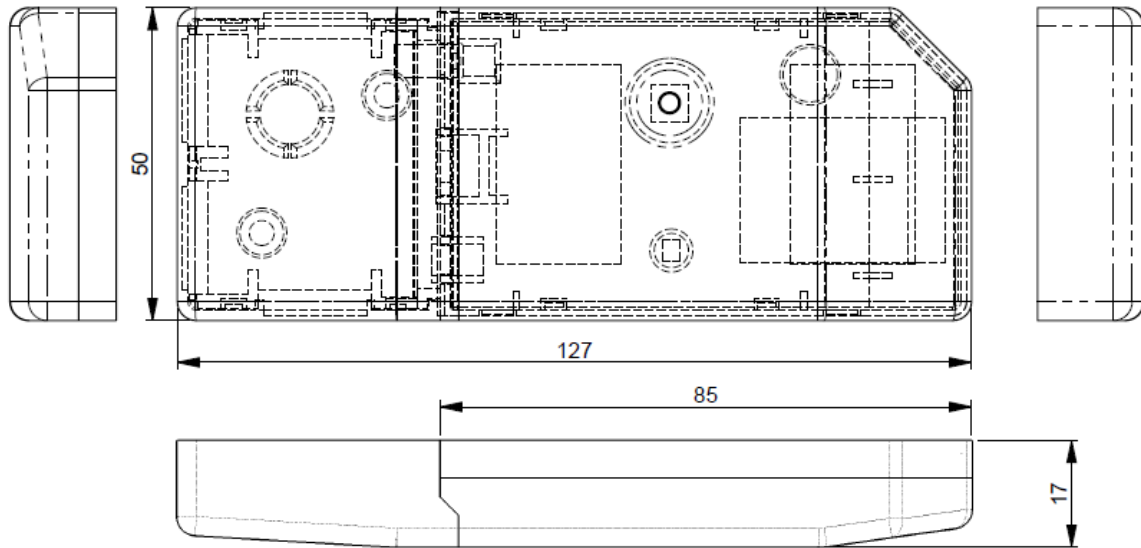


Figure 2.1 Device dimensions in mm and back view

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.



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INWMPMHI001R000

MH-RC-WMP-1

Wi-Fi interface for Mitsubishi Heavy Ind. RAC, FD, KX6 and KXR6

1. Introduction

Intesis INWMPMHI001R000 (MH-RC-WMP-1) allows a complete and natural integration of Mitsubishi Heavy Industries Air Conditioners into IP based control systems. Compatible with RAC, FD, KX6 and KXR6 Air Conditioners commercialized by Mitsubishi Heavy Industries.

- Quick and easy installation.
- Direct communication 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 Mitsubishi Heavy Industries wired remote controller simultaneously.
- Compatible with 802.11 b/g/n (802.11n up to 150 Mbps)

2. Dimensions

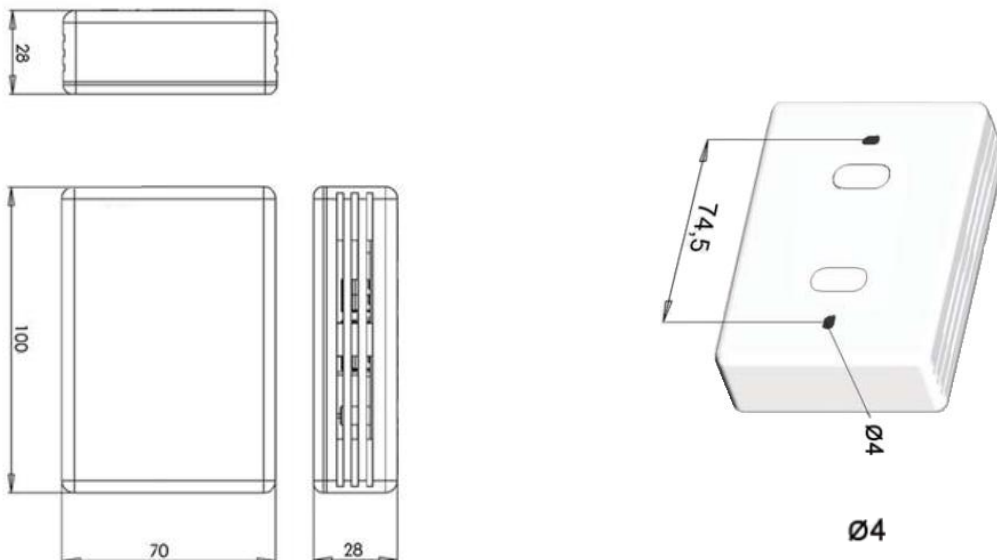


Figure 2.1 Device dimensions in mm and back view with fixing holes

3. Technical Features

Enclosure	ABS (UL 94 V-0). 2,5 mm thickness
Dimensions	70 x 100 x 28 mm
Weight	100g
Colour	White
AC connector	14V, 110mA typical
Power supply	12DCV, 100mA
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 RoHS2 directive (2011/65/CE).

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.

1. Compatible AC indoor units / Unidades de Aire Acondicionado compatibles

ORDER CODE	LEGACY ORDER CODE	PRODUCT FAMILY
INWMPMHI001I000	MH-AC-WMP-1	AC interfaces
INWFIMHI001I0XX	MH-AC-WIFI-1	AC Cloud Control

TYPE OF INDOOR UNIT / Tipo de unidad interior	INDOOR UNIT MODELS / Modelo de unidad interior
	<i>RACSeries</i>
DUCT COMPACT / Conductos	SRR xx ZJ-S SRR xx ZM-S
FLOOR STANDING UNITS / Console	SRF xx ZIX-S SRF xx ZJX-S SRF xx ZMX-S SRF xx ZMXA-S
WALL MOUNTED / Pared	DXK xx Z4-S DXK xx ZJ-S DXK xx ZL-S DXK 06 ZM-S DXK xx ZMA-S DXK xx ZSA-W DXK xx ZRA-W SRK 24 YMA-S SRK 24 YRA-W SRK xx YSA-W SRK xx ZHX-S SRK xx ZIX-S SRK xx ZJ-S SRK xx ZJ-S1 SRK xx ZJR-S SRK xx ZJX-S SRK xx ZJX-S1 SRK xx ZK-S SRK xx ZL-S SRK xx ZM-S SRK xx ZMA-S SRK xx ZMX-S SRK xx ZMXA-S SRK xx ZR-S SRK xx ZRA-W SRK xx ZS-S SRK xx ZSA-W SRK 63/71/80 ZSPR-S SRK xx ZSX-S SRK xx ZSX-W SRK xx ZSXA-W

- xx stands for the power of the indoor unit.
/ xx especifica la potencia de la unidad interior.
- The models are referred to **indoor units**, not references of indoor plus outdoor units.
/ Los modelos se refieren a **unidades interiores**, no referencias a unidades interiores más exteriores.
- This device connects to the **CNS communication connection** of the **indoor unit**. Any unit compatible and enabled for the optional part SC-BIKN-E(A) is equally compatible with our solution.
(Note: Only one solution a time can be connected to CNS.)
/ El dispositivo se conecta a **la conexión de comunicación CNS de la unidad interior**. Cualquier unidad compatible y habilitada para la parte opcional SC-BIKN-E (A) es igualmente compatible con nuestra solución.
(Nota: Solo se permite conectar una solución a la vez a CNS.)
- Any AC unit with a model number not specified in this list might not be compatible with the AC interface and therefore can't be used without previously checking the model compatibility, contact your supplier for this.
/ Cualquier modelo de aire acondicionado que no esté en la lista puede no ser compatible con la pasarela y por tanto no puede utilizarse sin consultar la compatibilidad del modelo. Contacte con su proveedor para conseguir esta información.
- Currently our solution is **Not Compatible** for units with the new generation SC-BIKN2 module.
/ Actualmente nuestra solución **No es compatible** para unidades con el módulo de nueva generación SC-BIKN2.

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