



Intesis™
BY HMS NETWORKS
INWMPPAN001I000
PA-AC-WMP-1

Wi-Fi interface for Panasonic Etherea and Flagship Air Conditioners

1. Introduction

Intesis INWMPPAN001I000 (PA-AC-WMP-1) allows a complete and natural integration of Panasonic Air Conditioners into IP based control systems. Compatible with Etherea and Flagship Air Conditioner lines commercialized by Panasonic.

- 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 Panasonic remote controllers¹.

¹ INWMPPAN001I000 is connected to the CN-CNT connector, so no other controllers can be connected to this same bus.

2. Dimensions

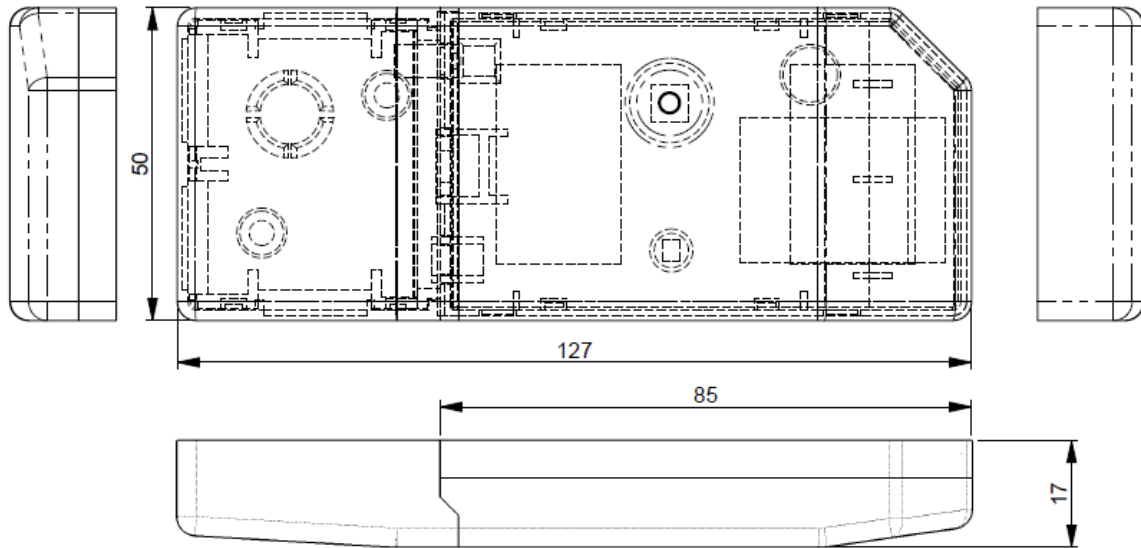


Figure 2.1 Device dimensions in mm and back view

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	RF Frequency range: 2412 to 2484 MHz Output power (average): - 20 dBm (11Mb/Sec.) - 14 dBm (72.2Mb/Sec.)
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

Intesis™ Panasonic Etherea AC indoor unit compatibilities

In this document the compatible domestic Panasonic Air conditioner **indoor units** models with the following Intesis™ AC interfaces are described: / *En este documento se describen las **unidades interiores** de aire acondicionado domésticas de Panasonic compatibles con las siguientes pasarelas Intesis™ para Aire Acondicionado:*

ORDER CODE	LEGACY ORDER CODE	PRODUCT FAMILY
INBACPAN001I000	PA-AC-BAC-1	AC interface
INBACPAN001I100	PA-AC-BAC-1L	AC interface
	PA-AC-ENO-1i*	AC interface
	PA-AC-ENO-1Ic*	AC interface
INKNXPAN001I000	PA-AC-KNX-1i	AC interface
INMBSPAN001I100	PA-AC-MBS-1	AC interface
INWMPPAN001I000	PA-AC-WMP-1	AC interface
INWFIPAN001I0XX	PA-AC-WIFI-1B	AC Cloud Control solution

*Legacy product

The compatible **models** are classified by geographic areas and they always refer to **indoor units**, not references of indoor plus outdoor units. / *Los **modelos** compatibles están clasificados por áreas geográficas y siempre se refieren a **unidades interiores**, no referencias a unidades interiores más exteriores.*

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.*

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

AC indoor unit model / Modelo de unidad interior		
Wall Mount 2011	Etherea MKE	CS-E 7-9-12-15-18-21-24-28 MKE
		CS-NE 9-12 MKE
		CS-XE 7-9-12-15-18-21 MKE
Wall Mount 2012	Etherea NKE	CS-E 7-9-12-15-18-21 NKE
		CS-NE 9-12 NKE
		CS-QE 9-12 NKE
		CS-WE 9-12 NKE
		CS-XE 7-9-12-15-18-21 NKE
	Etherea NKEW	CS-E 7-9-12-15-18-21 NKEW
Wall Mount 2013	Etherea PKE	CS-CE 9-12 PKE
		CS-E 7-9-12-15-18-21-24-28 PKE
		CS-ME 5 PKE
		CS-NE 9-12 PKE
		CS-QE 9-12 PKE
	CS-XE 7-9-12-15-18-21 PKE	
	Etherea PKEA	CS-E 7-9-12-15-18 PKEA
	Etherea PKEW	CS-E 7-9-12-15-18-21-24-28 PKEW CS-XE 7-9-12-15-18-21 PKEW
Wall Mount 2014	Etherea QKE	CS-E 7-9-12-15-18-21-24-28 QKE
		CS-NE 9-12-18 QKE
		CS-XE 7-9-12-18 QKE
	Etherea QKEW	CS-E 7-9-12-15-18-21-24-28 QKEW CS-XE 7-9-12-18-28 QKEW
Wall Mount 2015	Etherea RKE	CS-AZ 9 RKE
Wall Mount 2016	Etherea SKE	CS-CZ 9-12 SKE
		CS-MZ 5 SKE
		CS-NZ 9-12-18 SKE
		CS-VZ 9-12 SKE¹
		CS-QZ 9 SKE
	Etherea SKEG	CS-Z 7-9-12-15-18 SKEG
	Etherea SKEM	CS-Z 7-9-12-15-18 SKEM
	Etherea SKEW	CS-E 7-9-12-15-18 SKEW
		CS-XE 7-9-12-18 SKEW
		CS-XZ 7-9-12-18 SKEW
CS-Z 7-9-12-15-18 SKEW CS-Z 7-9-12-15-18 SKEW-M		
Wall Mount 2017	Etherea SKEW	CS-E 7-9-12-15-18 SKEW-M
	Etherea TKEW	CS-XZ 20-25-35-50 TKEW
		CS-Z 20-25-35-42-50-71 TKEW
	Flagship NKE	CS-AE 9-12 NKE
		CS-HE 9-12 NKE
		CS-VE 9-12 NKE
	Flagship PKE	CS-AE 9-12 PKE
		CS-HE 9-12 PKE
		CS-NE 9 PKE-1
	Flagship RKE	CS-HZ 9-12 RKE
		CS-HZ 9-12 RKE-4
	Flagship SKE	CS-NZ 9-12 SKE
	Flagship TKE	CS-HZ 25-35 TKE

¹ This reference is not compatible with INWMPPAN001I000.

		CS-HZ 25 TKE-5
		CS-MZ 16 TKE
	Flagship VKE	CS-MZ 16 VKE
Wall Mounted	Standard TKE	CS-BE 25-35-50 TKE
		CS-DE 25-35-50 TKE
		CS-KE 25-35-50 TKE
		CS-LZ 25-35 TKE
		CS-PZ 25-35-50 TKE
		CS-UZ 60 TKE
	Standard SKE	CS-UZ 9-12-18 SKE
	Standard UKE	CS-FZ 25-35-50-60 UKE
	Standard TKEA	CS-Z 25-35-50-60 TKEA
Standard VKEW	CS-Z 20-25-35-45-50-71 VKEW	
		CS-XZ 20-25-35-50 VKEW
Cassette 4-Way	Standard PB4EA	CS-E 9-12 PB4EA
	Standard RB4EAW	CS-E 9-12-18-21 RB4EAW
	Standard B4EAW	CS-Z 25-35-50-60 B4EAW
	Standard UB4EAW	CS-Z 25-35-50-60 UB4EAW
Wall Mounted	Compact SKE	CS-MTZ 5-7 SKE
	Compact SKEW	CS-TZ 9-12-15-18-24-25 SKEW
	Compact TKE	CS-MTZ 16 TKE
	Compact TKEW	CS-TE 20-25-35-42-50-60 TKEW
		CS-TZ 20-25-35-42-50-60-71 TKEW
Ducted	Compact PD3EA	CS-E 9-12 PD3EA
	Compact PD3EAW	CS-E 12 PD3EAW
	Compact QD3EAW	CS-E 12 QD3EAW
	Compact UD3EAW	CS-Z 25-35-50-60 UD3EAW
Floor Console	Standard UFEAW	CS-E 25-35-50 UFEAW
	Standard FEAW	CS-Z 25-35-50 FEAW
	Standard UFEA	CS-MZ 20 UFEA
	Standard UD3EA	CS-MZ 20 UD3EA

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- 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*

2. North America Compatible AC indoor units/ Unidades de Aire Acondicionado de Norte América compatibles

AC indoor unit model / Modelo de unidad interior	
Wall Mounted	CS-E 18-24 NKUA
	CS-S 9-12-18-24 NKUA
	CS-E 9-12 NKUAW
	CS-ME 7 QKUA
	CS-ME 7 RKUA
	CS-VZ 9-12 SKE
	CS-XE 9-12 PKUA
	CS-XE 9-12-15 SKUA
	CS-E 9-12-18-24 RKUAW ²
Ducted	CS-E 9-12-18 SD3UAW

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² Compatible with units fabricated from 2017 onwards. / *Compatible con unidades fabricadas desde 2017.*

3. Latin America Compatible AC indoor units/ Unidades de Aire Acondicionado de América Latina compatibles

AC indoor unit model / Modelo de unidad interior	
Wall Mounted	CS-S 9-12-18-24-28 PKV
	CS-S 9-12-18-24-28 RKV
Cassette 4-Way	S-18-21-24-30-34-43-48 PU2Q6

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4. Russia Compatible AC indoor units/ Unidades de Aire Acondicionado de Rusia compatibles

AC indoor unit model / Modelo de unidad interior	
Wall Mounted	CS-E 7 NKD
	CS-E 7-9-12-15-18 NKDW
	CS-VE 9-12 NKE
	CS-HE 9-12 PKD
	CS-E 7-9-12-15-18-24 PKDW
	CS-HE 7-9-12-18 QKD
	CS-E 7-9-12-15-18-24-28 RKDW

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5. Australia and New Zealand Compatible AC indoor units/ Unidades de Aire Acondicionado compatibles para Australia y Nueva Zelanda

AC indoor unit model / Modelo de unidad interior	
Wall Mounted	CS-E 7-9-12-15-18-21-24-28 NKR
	CS-E 7-9-12-15-18-21-24-28 PKR
	CS-S 9-12-18-24-28 PKR
	CS-MRE 5-7-9-12-18-24 QKR
	CS-RZ 9-12-18-24 RKR
	CS-Z 9-12-21-24-28 RKR
	CS-RZ 25-35-50-60-71-80 TKR
Ducted	CS-E 9-18 QD3RW
	CS-E 18 SD3RW

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6. *Malasya Compatible AC indoor units/ Unidades de Aire Acondicionado compatibles para Malasia*

AC indoor unit model / Modelo de unidad interior	
Wall Mounted	CS-VU 9-12-18 UKH-8
	CS-U 9-12-18-24 TKH-8
	CS-XU 9-12-18-24 UKH-8
	CS-VZ 9-12 TKH-8
	CS-Z 9-12-18-24 TKH-8
	CS-MPS 9-12-15-18-24-28 SKH
Ducted	CS-MS 9-12-18-24 SD3H

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