ME-1 | Modbus RTU Gateway for Mitsubishi Electric

Gateway for monitoring and controlling compatible Mitsubishi Electric air conditioners through the CN105 or CN100 connector via Modbus RTU, with Fast Modbus support.

Air conditioner types Split systems Ducted units Cassette units Floor-standing units Ceiling-suspended units

Product line VENTALEN AIR

Series PRO

Version B

SKU VNACPME1MBBB



1. Technical specifications

Interface	RS485
Interface isolation	Galvanically isolated
Protocol	Modbus RTU + Fast Modbus; the address is set in software and the factory settings are shown on the label
Dimensions	60 × 37 × 16 mm (L × W × H), including label, excluding terminal block 69 × 37 × 16 mm (L × W × H), including label and terminal block
Power supply (recommended)	24 V DC
Baud rate	9600 (default), 19200, 38400, 57600, 115200
Stop bits	2
Parity	None (N)
Power consumption	1 W maximum
Bus and power connection	Screw terminal block
Recommended wire cross-section with ferrule	0.35–1 mm² — single conductors 0.35–0.5 mm² — twin conductors
Terminal screw torque	0.2 N·m
Operating mode	Continuous
Operation with a wired controller	In parallel with the wired controller
Operating temperature	0 to +40 °C
Protection rating	IP30
Weight (including box)	85 g
Package contents	Box, gateway and air-conditioner connection cable

1.1 Hardware revision

B

Current revision September 2024 – present New gateway platform with Fast Modbus support New device enclosure Updated processor and electronic components New pin assignment for the RS485 bus connection Added an illuminated button indicating gateway operation and status

ME-1 revision B (coming soon)

1.2 Device image

Device images for use in your projects ME-1.png (coming soon) ME-1.svg (coming soon) ME-1.pdf (coming soon)

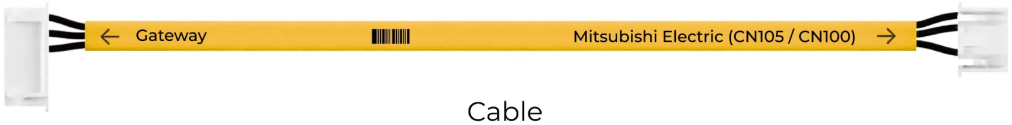
1.3 Package contents



Box

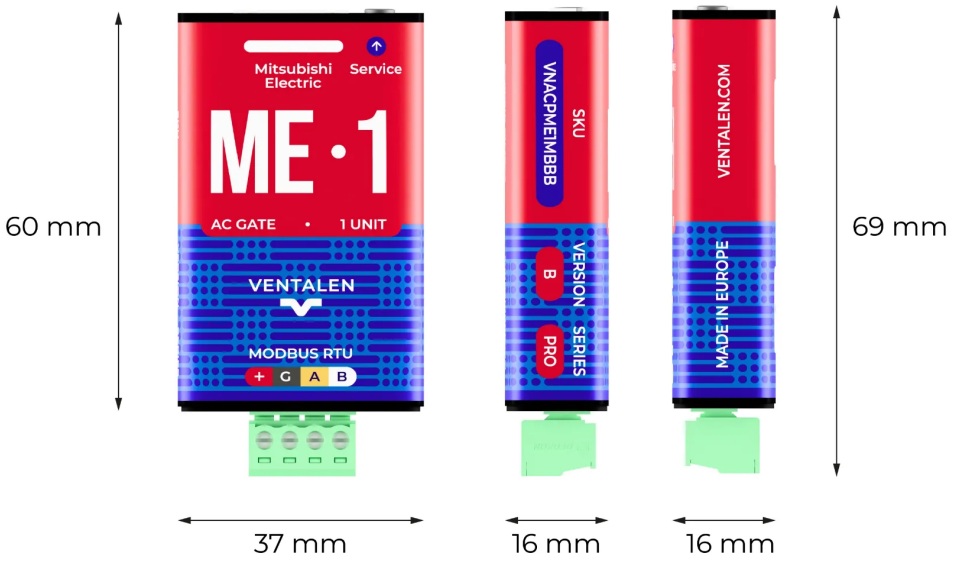


Gateway



Cable

1.4 Device dimensions





Serial
Device serial number

HW (Hardware)
Controller board version

FW (Firmware)
Device firmware version

Model
Device model

1.5 Ports and buttons



2. Appearance

ME-1 product photos (coming soon)

3. Brief instructions

- Disconnect power from the air conditioner and gateway before connecting them - Check all connections before switching on the power - Connect the gateway to the CN105 or CN100 connector - Use the recommended 24 V power supply - Do not install the gateway in damp locations

3.1 Troubleshooting

1. Check that the interface cable is correctly connected to the air conditioner: - the connector is fully inserted into the air conditioner control board; - the connector is fully inserted into the gateway; - the connector is not broken; - the interface cable conductors are securely seated in the connectors at both ends. 2. Check that the gateway is receiving the correct power supply. Measure the voltage at the terminal if necessary. 3. Check that RS485 conductors A and B are correctly connected at both the gateway and the controller. 4. Check that the RS485 terminal block is fully inserted into the gateway. 5. Make sure the correct cable is used for the RS485 bus.

4. Register map

Address	Register parameter	Description	Values			
Dec	Hex	Type	Access	Format		
Coil registers						
1	0x0001	Coil	RW	Bool	Air conditioner status	0 - Off 1 - On
4	0x0004	Coil	RW	Bool	Quiet mode	0 - Off 1 - On
Holding registers						
1	0x0001	Holding	RW	UInt16	Operating mode	1 – Heating 2 – Cooling 3 – Auto 4 – Dry 5 - Fan
2	0x0002	Holding	RW	UInt16	Status and mode This register supports systems in which power-off and operating mode are controlled through the same register.	0 – Off 1 – Heating 2 – Cooling 3 – Auto 4 – Dry 5 - Fan
3	0x0003	Holding	RW	SInt16	Indoor air temperature °C By default, this register contains the air temperature measured by the air conditioner's built-in sensor. If a value from an external sensor is written to the register, the returned value includes the correction stored in register 20.	-32768...32768 Multiply the value by 0.01 to obtain the temperature. For example, 2560 represents 25.6°C
5	0x0005	Holding	RW	SInt16	Target temperature °C. Temperature is set in 1°C increments.	-32768...32768 Multiply the value by 0.01 to obtain the temperature. For example, 2500 represents 25.0°C
6	0x0006	Holding	R	UInt16	Current mode	0 – Idle 1 – Heating 2 – Cooling
7	0x0007	Holding	RW	UInt16	Fan speed	0 - Auto 1 – First speed 2 - Second speed 3 - Third speed 4 - Fourth speed
8	0x0008	Holding	RW	UInt16	Extended fan speed This register supports systems that expose only one fan-speed register. Enabling quiet or turbo mode does not change the fan speed shown on the air conditioner or in holding register 7.	0 – Auto 1 – Quiet mode 2 - First speed 3 - Second speed 4 - Third speed 5 - Fourth speed

Address	Register parameter	Description	Values			
9	0x0009	Holding	RW	UInt16	Horizontal louvers Position 1 is the lowest Position 5 is the highest	0 - Stopped 1 - Swinging 2 - Position 1 3 - Position 2 4 - Position 3 5 - Position 4 6 - Position 5
10	0x000A	Holding	RW	UInt16	Vertical louvers Position 1 is the leftmost Position 5 is the rightmost	0 - Stopped 1 - Swinging 2 - Position 1 3 - Position 2 4 - Position 3 5 - Position 4 6 - Position 5
11	0x000B	Holding	RW	UInt16	Airflow direction This register supports smart-home systems that expose only one airflow-direction register.	0 – Stopped 1 - Horizontal and vertical swing 2 - Horizontal louver swing 3 - Vertical louver swing
20	0x0014	Holding	RW	SInt16	Temperature correction	-32768...32768 Multiply the value by 0.01 to obtain the temperature. For example, 100 represents 1.00°C
128	0x0080	Holding	RW	SInt16	Device Modbus address	1...247
201	0x00C9	Holding	R	SInt16	Device hardware revision	1
250	0x00FA	Holding	R	SInt16	Device firmware version	1

5. Useful files

Ventalen ME-1 template for Wiren Board.json (coming soon)

Loxone project example for ME-1.Loxone (coming soon)

Loxone template for ME-1.Loxone (coming soon)

6. Warranty

Warranty period – 6 years from the date of sale through a retail network, authorised retailer or integrator. The warranty and service-life periods begin on the date the gateway is delivered to the customer. If that date cannot be established, the periods begin on the gateway's date of manufacture. The dates recorded in the technical passport may be used to establish these periods. The warranty does not cover: - gateways or components showing mechanical damage, liquid ingress, burning or unauthorised opening; - gateways returned without the complete supplied set; - faults caused by transport damage, careless handling or inadequate maintenance; - incorrect installation or repairs performed by unqualified personnel; - causes beyond the manufacturer's control, including incorrect bus voltage, fire, flooding or other force-majeure events. Warranty replacement and repair are provided at the seller's address.

7. Supported air conditioner models

Prices are not displayed while European market pricing is being prepared.

Air conditioner series	Price	2022 models	2021 models	2020 models	
Residential systems					

Air conditioner series	Price	2022 models	2021 models	2020 models	
Series PREMIUM INVERTER (MSZ-LN)	On request	MSZ-LN25VG2W / MUZ-LN25VG2 (White) MSZ-LN25VG 2V / MUZ-LN25VG2 (Pearl white) MSZ-LN25VG2B / MUZ-LN25VG2 (Onyx black) MSZ-LN25VG2 R / MUZ-LN25VG2 (Ruby red)	MSZ-LN25VG2W / MUZ-LN25VG2 (White) MSZ-LN25VG 2V / MUZ-LN25VG2 (Pearl white) MSZ-LN25VG2B / MUZ-LN25VG2 (Onyx black) MSZ-LN25VG2 R / MUZ-LN25VG2 (Ruby red)	MSZ-LN25VGW / MUZ-LN25VG (White) MSZ-LN25VGV / MUZ-LN25VG (Pearl white) MSZ-LN25VGB / MUZ-LN25VG (Onyx black) MSZ-LN25VGR / MUZ-LN25VG (Ruby red)	
On request	MSZ-LN35VG2W / MUZ-LN35VG2 (White) MSZ-LN35VG 2V / MUZ-LN35VG2 (Pearl white) MSZ-LN35VG2B / MUZ-LN35VG2 (Onyx black) MSZ-LN35VG2 R / MUZ-LN35VG2 (Ruby red)	MSZ-LN35VG2W / MUZ-LN35VG2 (White) MSZ-LN35VG 2V / MUZ-LN35VG2 (Pearl white) MSZ-LN35VG2B / MUZ-LN35VG2 (Onyx black) MSZ-LN35VG2 R / MUZ-LN35VG2 (Ruby red)	MSZ-LN35VGW / MUZ-LN35VG (White) MSZ-LN35VGV / MUZ-LN35VG (Pearl white) MSZ-LN35VGB / MUZ-LN35VG (Onyx black) MSZ-LN35VGR / MUZ-LN35VG (Ruby red)		
On request	MSZ-LN50VG2W / MUZ-LN50VG2 (White) MSZ-LN50VG 2V / MUZ-LN50VG2 (Pearl white) MSZ-LN50VG2B / MUZ-LN50VG2 (Onyx black) MSZ-LN50VG2 R / MUZ-LN50VG2 (Ruby red)	MSZ-LN50VG2W / MUZ-LN50VG2 (White) MSZ-LN50VG 2V / MUZ-LN50VG2 (Pearl white) MSZ-LN50VG2B / MUZ-LN50VG2 (Onyx black) MSZ-LN50VG2 R / MUZ-LN50VG2 (Ruby red)	MSZ-LN50VGW / MUZ-LN50VG (White) MSZ-LN50VGV / MUZ-LN50VG (Pearl white) MSZ-LN50VGB / MUZ-LN50VG (Onyx black) MSZ-LN50VGR / MUZ-LN50VG (Ruby red)		
On request	MSZ-LN60VG2W / MUZ-LN60VG (White) MSZ-LN60VG2V / MUZ-LN60VG (Pearl white) MSZ-LN60VG2 B / MUZ-LN60VG (Onyx black) MSZ-LN60VG2R / MUZ-LN60VG (Ruby red)	MSZ-LN60VG2W / MUZ-LN60VG2 (White) MSZ-LN60VG 2V / MUZ-LN60VG2 (Pearl white) MSZ-LN60VG2B / MUZ-LN60VG2 (Onyx black) MSZ-LN60VG2 R / MUZ-LN60VG2 (Ruby red)	MSZ-LN60VGW / MUZ-LN60VG (White) MSZ-LN60VGV / MUZ-LN60VG (Pearl white) MSZ-LN60VGB / MUZ-LN60VG (Onyx black) MSZ-LN60VGR / MUZ-LN60VG (Ruby red)		
Series DELUXE INVERTER (MSZ-FH)	On request	MSZ-FH25VE2 / MUZ-FH25VE	MSZ-FH25VE2 / MUZ-FH25VE	MSZ-FH25VE2 / MUZ-FH25VE	
On request	MSZ-FH35VE2 / MUZ-FH35VE	MSZ-FH35VE2 / MUZ-FH35VE	MSZ-FH35VE2 / MUZ-FH35VE		
On request	MSZ-FH50VE2 / MUZ-FH50VE	MSZ-FH50VE2 / MUZ-FH50VE	MSZ-FH50VE2 / MUZ-FH50VE		
Series DESIGN INVERTER EF (MSZ-EF)	On request	MSZ-EF25VGKW / MUZ-EF25VG (WHITE) MSZ-EF25VG KB / MUZ-EF25VG (BLACK) MSZ-EF25VG KS / MUZ-EF25VG (SILVER)	MSZ-EF25VGKW / MUZ-EF25VG (WHITE) MSZ-EF25VG KB / MUZ-EF25VG (BLACK) MSZ-EF25VG KS / MUZ-EF25VG (SILVER)	MSZ-EF25VE3W / MUZ-EF25E3 (WHITE) MSZ-EF25VE 3B / MUZ-EF25E3 (BLACK) MSZ-EF25VE 3S / MUZ-EF25E3 (SILVER)	
On request	MSZ-EF35VGKW / MUZ-EF35VG (WHITE) MSZ-EF35VG KB / MUZ-EF35VG (BLACK) MSZ-EF35VG KS / MUZ-EF35VG (SILVER)	MSZ-EF35VGKW / MUZ-EF35VG (WHITE) MSZ-EF35VG KB / MUZ-EF35VG (BLACK) MSZ-EF35VG KS / MUZ-EF35VG (SILVER)	MSZ-EF35VE3W / MUZ-EF35E3 (WHITE) MSZ-EF35VE 3B / MUZ-EF35E3 (BLACK) MSZ-EF35VE 3S / MUZ-EF35E3 (SILVER)		
	Not listed in the 2022 catalogue	Not listed in the 2021 catalogue	MSZ-EF42VE3W / MUZ-EF42E3 (WHITE) MSZ-EF42VE 3B / MUZ-EF42E3 (BLACK) MSZ-EF42VE 3S / MUZ-EF42E3 (SILVER)		

Air conditioner series	Price	2022 models	2021 models	2020 models	
On request	MSZ-EF50VGKW / MUZ-EF50VG (WHITE) MSZ-EF50VG KB / MUZ-EF50VG (BLACK) MSZ-EF50VG KS / MUZ-EF50VG (SILVER)	MSZ-EF50VGKW / MUZ-EF50VG (WHITE) MSZ-EF50VG KB / MUZ-EF50VG (BLACK) MSZ-EF50VG KS / MUZ-EF50VG (SILVER)	MSZ-EF50VE3W / MUZ-EF50E3 (WHITE) MSZ-EF50VE 3B / MUZ-EF50E3 (BLACK) MSZ-EF50VE 3S / MUZ-EF50E3 (SILVER)		
Series STANDARD INVERTER AP (MSZ-AP)	On request	Not listed in the 2022 catalogue	MSZ-AP15VGK / MUZ-AP15VG	Multi-split systems only	
On request	MSZ-AP20VGK / MUZ-AP20VG	MSZ-AP20VGK / MUZ-AP20VG	MSZ-AP20VG / MUZ-AP20VG		
On request	MSZ-AP25VGK / MUZ-AP25VG	MSZ-AP25VGK / MUZ-AP25VG	MSZ-AP25VGK / MUZ-AP25VG		
On request	MSZ-AP35VGK / MUZ-AP35VG	MSZ-AP35VGK / MUZ-AP35VG	MSZ-AP35VGK / MUZ-AP35VG		
On request	MSZ-AP42VGK / MUZ-AP42VG	MSZ-AP42VGK / MUZ-AP42VG	MSZ-AP42VGK / MUZ-AP42VG		
On request	MSZ-AP50VGK / MUZ-AP50VG	MSZ-AP50VGK / MUZ-AP50VG	MSZ-AP50VGK / MUZ-AP50VG		
On request	MSZ-AP60VGK / MUZ-AP60VG	MSZ-AP60VGK / MUZ-AP60VG	MSZ-AP60VGK / MUZ-AP60VG		
On request	MSZ-AP71VGK / MUZ-AP71VG	MSZ-AP71VGK / MUZ-AP71VG	MSZ-AP71VGK / MUZ-AP71VG		
Series CLASSIC INVERTER HR (MSZ-HR)	On request	MSZ-HR25VF(K) / MUZ-HR25VF	MSZ-HR25VF / MUZ-HR25VF	MSZ-HR25VF / MUZ-HR25VF	
On request	MSZ-HR35VF(K) / MUZ-HR35VF	MSZ-HR35VF / MUZ-HR35VF	MSZ-HR35VF / MUZ-HR35VF		
On request	MSZ-HR42VF(K) / MUZ-HR42VF	MSZ-HR42VF / MUZ-HR42VF	MSZ-HR42VF / MUZ-HR42VF		
On request	MSZ-HR50VF(K) / MUZ-HR50VF	MSZ-HR50VF / MUZ-HR50VF	MSZ-HR50VF / MUZ-HR50VF		
On request	MSZ-HR60VF(K) / MUZ-HR60VF	MSZ-HR60VF / MUZ-HR60VF	MSZ-HR60VF / MUZ-HR60VF		
On request	MSZ-HR71VF(K) / MUZ-HR71VF	MSZ-HR71VF / MUZ-HR71VF	MSZ-HR71VF / MUZ-HR71VF		
Series MASTER INVERTER BT (MSZ-BT)	On request	Not listed in the 2022 catalogue	MSZ-BT20VG/MUZ-BT 20VG		
On request	Not listed in the 2022 catalogue	MSZ-BT25VG/MUZ-BT 25VG			
On request	Not listed in the 2022 catalogue	MSZ-BT35VG/MUZ-BT 35VG			
On request	Not listed in the 2022 catalogue	MSZ-BT50VG/MUZ-BT 50VG			
Floor-standing inverter KT (MFZ-KT)	On request	MFZ-KT25VG / SUZ-M25VA	Not listed in the 2021 catalogue	Not listed in the 2020 catalogue	
On request	MFZ-KT35VG / SUZ-M35VA	Not listed in the 2021 catalogue	Not listed in the 2020 catalogue		
On request	MFZ-KT50VG / SUZ-M50VA	Not listed in the 2021 catalogue	Not listed in the 2020 catalogue		
On request	MFZ-KT60VG / SUZ-M60VA	Not listed in the 2021 catalogue	Not listed in the 2020 catalogue		
Floor-standing inverter KJ (MFZ-KJ)	On request	Not listed in the 2022 catalogue	MFZ-KJ25VE2 / MUFZ-KJ25VE	MFZ-KJ25VE2 / MUFZ-KJ25VE	

Air conditioner series	Price	2022 models	2021 models	2020 models	
On request	Not listed in the 2022 catalogue	MFZ-KJ35VE2 / MUFZ-KJ35VE	MFZ-KJ35VE2 / MUFZ-KJ35VE		
On request	Not listed in the 2022 catalogue	MFZ-KJ50VE2 / MUFZ-KJ50VE	MFZ-KJ50VE2 / MUFZ-KJ50VE		
Ducted inverter M DA (SEZ-M DA)	On request	SEZ-M25DA2 / SUZ-M25VA	SEZ-M25DA / SUZ-KA25VA6	SEZ-M25DA / SUZ-KA25VA6	
On request	SEZ-M35DA2 / SUZ-M35VA	SEZ-M35DA / SUZ-KA35VA6	SEZ-M35DA / SUZ-KA35VA6		
On request	SEZ-M50DA2 / SUZ-M50VA	SEZ-M50DA / SUZ-KA50VA6	SEZ-M50DA / SUZ-KA50VA6		
On request	SEZ-M60DA2 / SUZ-M60VA	SEZ-M60DA / SUZ-KA60VA6	SEZ-M60DA / SUZ-KA60VA6		
On request	SEZ-M71DA2 / SUZ-M60VA	SEZ-M71DA / SUZ-KA71VA6	SEZ-M71DA / SUZ-KA71VA6		
Cassette inverter M FA (SLZ-M FA)	On request	SLZ-M25FA2 / SUZ-M25VA	SLZ-M25FA / SUZ-KA25VA6	SLZ-M25FA / SUZ-KA25VA6	
On request	SLZ-M35FA2 / SUZ-M35VA	SLZ-M35FA / SUZ-KA35VA6	SLZ-M35FA / SUZ-KA35VA6		
On request	SLZ-M50FA2 / SUZ-M50VA	SLZ-M50FA / SUZ-KA50VA6	SLZ-M50FA / SUZ-KA50VA6		
On request	SLZ-M60FA2 / SUZ-M60VA	SLZ-M60FA / SUZ-KA60VA6	SLZ-M60FA / SUZ-KA60VA6		
One-way cassette MLZ KP (indoor unit)	On request	MLZ-KP25VF (multi-split systems only)	MLZ-KP25VF (multi-split systems only)	MLZ-KP25VF (multi-split systems only)	
On request	MLZ-KP35VF (multi-split systems only)	MLZ-KP35VF (multi-split systems only)	MLZ-KP35VF (multi-split systems only)		
On request	MLZ-KP50VF (multi-split systems only)	MLZ-KP50VF (multi-split systems only)	MLZ-KP50VF (multi-split systems only)		
Inverter air conditioner (MSZ-SF/GF) (wall-mounted indoor unit)		Not listed in the 2022 catalogue	Not listed in the 2021 catalogue	MSZ-SF15VA-ER4 (multi-split systems only)	
	Not listed in the 2022 catalogue	Not listed in the 2021 catalogue	MSZ-SF20VA-ER4 (multi-split systems only)		
	Not listed in the 2022 catalogue	Not listed in the 2021 catalogue	MSZ-SF25VE3 / MUZ-SF25VE		
	Not listed in the 2022 catalogue	Not listed in the 2021 catalogue	MSZ-SF35VE3 / MUZ-SF35VE		
	Not listed in the 2022 catalogue	Not listed in the 2021 catalogue	MSZ-SF42VE3 / MUZ-SF42VE		
	Not listed in the 2022 catalogue	Not listed in the 2021 catalogue	MSZ-SF60VE2 / MUZ-SF60VE2		
	Not listed in the 2022 catalogue	Not listed in the 2021 catalogue	MSZ-SF71VE2 / MUZ-SF71VE2		
Inverter air conditioner (MSZ-DM) (wall-mounted indoor unit)		Not listed in the 2022 catalogue	Not listed in the 2021 catalogue	MSZ-DM25VA / MUZ-DM25VA	
	Not listed in the 2022 catalogue	Not listed in the 2021 catalogue	MSZ-DM35VA / MUZ-DM35VA		
	Not listed in the 2022 catalogue	Not listed in the 2021 catalogue	MSZ-DM50VA / MUZ-DM50VA		
	Not listed in the 2022 catalogue	Not listed in the 2021 catalogue	MSZ-DM60VA / MUZ-DM60VA		

Air conditioner series	Price	2022 models	2021 models	2020 models	
	Not listed in the 2022 catalogue	Not listed in the 2021 catalogue	MSZ-DM71VA / MUZ-DM71VA		
Light-commercial systems mr. Slim					
Cassette indoor units (PLA-M EA)	On request	PLA-M35EA2	PLA-M35EA	PLA-M35EA	
On request	PLA-M50EA2	PLA-M50EA	PLA-M50EA		
On request	PLA-M60EA2	PLA-M60EA	PLA-M60EA		
On request	PLA-M71EA2	PLA-M71EA	PLA-M71EA		
On request	PLA-M100EA2	PLA-M100EA	PLA-M100EA		
On request	PLA-M125EA2	PLA-M125EA	PLA-M125EA		
On request	PLA-M140EA2	PLA-M140EA	PLA-M140EA		
Ducted indoor units (PEAD-M JA(L)) without a drain pump (PEAD-M JA) have a built-in drain pump	On request	PEAD-M35JA2	PEAD-M35JA	PEAD-M35JA	
On request	PEAD-M50JA2	PEAD-M50JA	PEAD-M50JA		
On request	PEAD-M60JA2	PEAD-M60JA	PEAD-M60JA		
On request	PEAD-M71JA2	PEAD-M71JA	PEAD-M71JA		
On request	PEAD-M100JA2	PEAD-M100JA	PEAD-M100JA		
On request	PEAD-M125JA2	PEAD-M125JA	PEAD-M125JA		
On request	PEAD-M140JA2	PEAD-M140JA	PEAD-M140JA		
On request	Not listed in the 2022 catalogue	PEAD-M35JAL	PEAD-M35JAL		
On request	Not listed in the 2022 catalogue	PEAD-M50JAL	PEAD-M50JAL		
On request	Not listed in the 2022 catalogue	PEAD-M60JAL	PEAD-M60JAL		
On request	Not listed in the 2022 catalogue	PEAD-M71JAL	PEAD-M71JAL		
On request	Not listed in the 2022 catalogue	PEAD-M100JAL	PEAD-M100JAL		
On request	Not listed in the 2022 catalogue	PEAD-M125JAL	PEAD-M125JAL		
On request	Not listed in the 2022 catalogue	PEAD-M140JAL	PEAD-M140JAL		
Wall-mounted indoor units (PKA-M HAL) (PKA-M KAL)	On request	PKA-M35HAL2	PKA-M35HAL	PKA-M35HAL	
On request	PKA-M50HAL2	PKA-M50HAL	PKA-M50HAL		
On request	PKA-M60KAL2	PKA-M60KAL	PKA-M60KAL		
On request	PKA-M71KAL2	PKA-M71KAL	PKA-M71KAL		
On request	PKA-M100KAL2	PKA-M100KAL	PKA-M100KAL		
Floor-standing indoor units (PSA-M KA) (PSA-RP KA)	On request	PSA-M71KA	PSA-RP71KA	PSA-RP71KA	
On request	PSA-M100KA	PSA-RP100KA	PSA-RP100KA		
On request	PSA-M125KA	PSA-RP125KA	PSA-RP125KA		

Air conditioner series	Price	2022 models	2021 models	2020 models	
On request	PSA-M140KA	PSA-RP140KA	PSA-RP140KA		
Ceiling-suspended indoor unit for kitchens (PCA-M71HA2) (PCA-RP71HAQ)	On request	PCA-M71HA2	PCA-RP71HAQ	PCA-RP71HAQ	
High-capacity ducted indoor unit (PEA-RP GAQ)		PEA-RP200GAQ	PEA-RP200GAQ	PEA-RP200GAQ	
	PEA-RP250GAQ	PEA-RP250GAQ	PEA-RP250GAQ		
Ceiling-suspended indoor units (PCA-M KA)	On request	PCA-M35KA2	PCA-M35KA	PCA-M35KA	
On request	PCA-M50KA2	PCA-M50KA	PCA-M50KA		
On request	PCA-M60KA2	PCA-M60KA	PCA-M60KA		
On request	PCA-M71KA2	PCA-M71KA	PCA-M71KA		
On request	PCA-M100KA2	PCA-M100KA	PCA-M100KA		
On request	PCA-M125KA2	PCA-M125KA	PCA-M125KA		
On request	PCA-M140KA2	PCA-M140KA	PCA-M140KA		

8. Air conditioner functions

The table below lists the Mitsubishi Electric Design Inverter EF MSZ-EF25VGKW functions exposed to the smart-home system:

Air conditioner functions	Web interface WirenBoard	
Status	On Off	
Mode	1 - Heating 2 - Cooling 3 - Auto 4 - Fan 5 - Dry	
Status and mode . Combined Status and Mode paramet er	0 - Air conditioner is off 1 - Air conditioner is heating 2 - Air conditioner is cooling 3 - Air conditioner is in Auto mode 4 - Air conditioner is in Fan mode 5 - Air conditioner is in Dry mode	
Indoor air temperat ure	Current temperature measured by the air conditioner	
Target temperatur e - desired temperature setpoint	Minimum value: 18 Maximum value: 30	
Thermostat status	0 - Idle 1 - Heating 2 - Cooling	
Fan speed	0 - Auto 1 - First speed 2 - Second speed 3 - Third speed 4 - Fourth speed	
Horizontal louvers - parameter controlling the horizontal louver position (up-down)	0 - Stopped 1 - Swinging 2 - Position 1 (lowest) 3 - Position 2 4 - Position 3 5 - Position 4 6 - Position 5 (highest)	
Temperature correction	Service parameter	

Air conditioner functions	Web interface WirenBoard	
Modbus address — parameter containing the gateway Modbus address	- Minimum value: 1 - Maximum value: 247	
Hardware revision	Contains the current gateway hardware revision	
Firmware version	Contains the current gateway firmware version	