

**Panasonic**



# New HZ and CZ

## *Product Presentation*



heating & cooling solutions

## ■ Indoor Unit Design

### CS-HZ\*\*WKE



Model		CS-HZ25WKE	CS-HZ35WKE
Capacity		2.5 kW	3.5 kW
Dimensions	Indoor unit	295 x 870 x 230 mm	
	Outdoor unit	622 x 824 x 299 mm	
ErP rank		A++ / A+++	

## Quality Air For Life



nanoe™ X technology with double the number of OH radicals

## Excellent Heating Power

- Powerful heating capability at extreme low temp
- Max. heating capacity: 7.40kW\*
- Industry No.1 SCOP rating of 5.2\*

**NEW** ///  
\* 2.5 kW model

## Smart Control



- Built-in WLAN for instant connectivity
- Google Assistant and Amazon Alexa compatibility

## Design

**NEW** ///

- Stylish, compact indoor unit
- New remote control with easy-to-use button layout

## Installation Flexibility

2-way power supply

## Super Quiet

Low operation noise of just 18 dB in the Low mode (in heating)

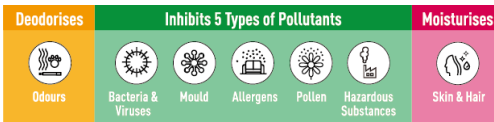


## nanoe™ X Technology

**NEW** ///



Doubled OH radicals nanoe X Generator Mark 2, realise faster suppression of pollutants and odours.



## Higher Heating Power

**NEW** ///



Heating capacity has further improved. Stable and reliable heating is realised even in the extreme low temperature of midwinter

## New Design

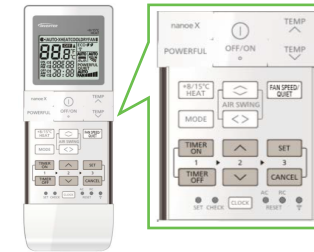
**NEW** ///



### ■ Indoor unit

The badge colour has been changed to light warm silver. A stylish look that blends with any interior.

### ■ Controller



Button layout has been changed for easier operation.



# HZ – Higher heating capacity

Heating capacity has been further improved for more comfortable, stable heating.

## Higher Max. Heating Capacity

Conventional  
(CS-HZ25UKE)



**7.30** kW



NEW CS-HZ25WKE



**7.40** kW

Conventional  
(CS-HZ35UKE)



**7.75** kW



NEW CS-HZ35WKE



**7.83** kW

## Higher Heating Capacity at Low Temp

	CS-HZ25WKE	CS-HZ35WKE
Low 2°C	5.36 kW	5.67 kW
Extra low -7°C	4.75 kW	4.80 kW
Nordic -15°C	4.60 kW	4.70 kW
Nordic -20°C	4.03 kW	4.08 kW
Nordic -25°C	3.43 kW	3.53 kW



*nanoe™ X are charged water particles that improve the quality of the indoor air*

## The 7 effects of nanoe™ X

Deodorises



Odours

Inhibits 5 types of pollutants



Bacteria and viruses



Mould



Allergens



Pollen



Hazardous substances

Moisturises



Skin and hair

### 1 Deodorises

nanoe™ X deodorises strong and unpleasant odours to enjoy a more pleasant living space for greater wellbeing.

### 2 Inhibits 5 types of pollutants

nanoe™ X inhibits the growth of certain allergens, bacteria and viruses in your home, maintaining a cleaner home for your children.

### 3 Moisturises Skin and hair

Helps retain the moisture of the skin.

nanoe™ X can work independently from the heating or cooling operations.  
In that case, indoor fan will be ON.

## How does it work?



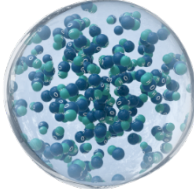
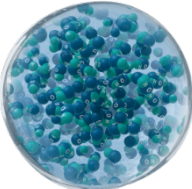

nanoe™ X reaches the substance.



OH radicals take away H from the substance, and it becomes denatured.

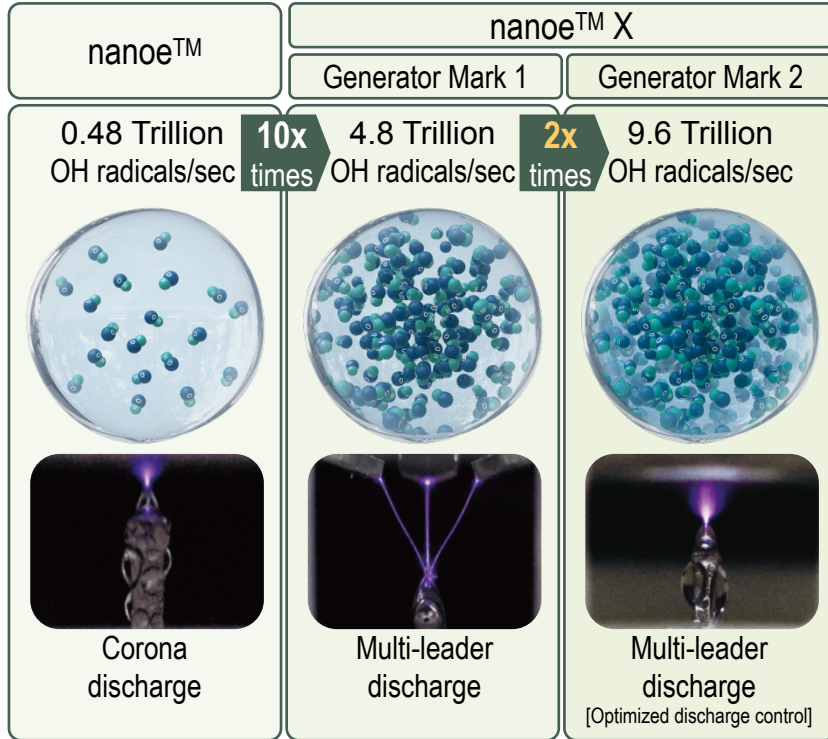


OH radicals transform hydrogen taken away into water

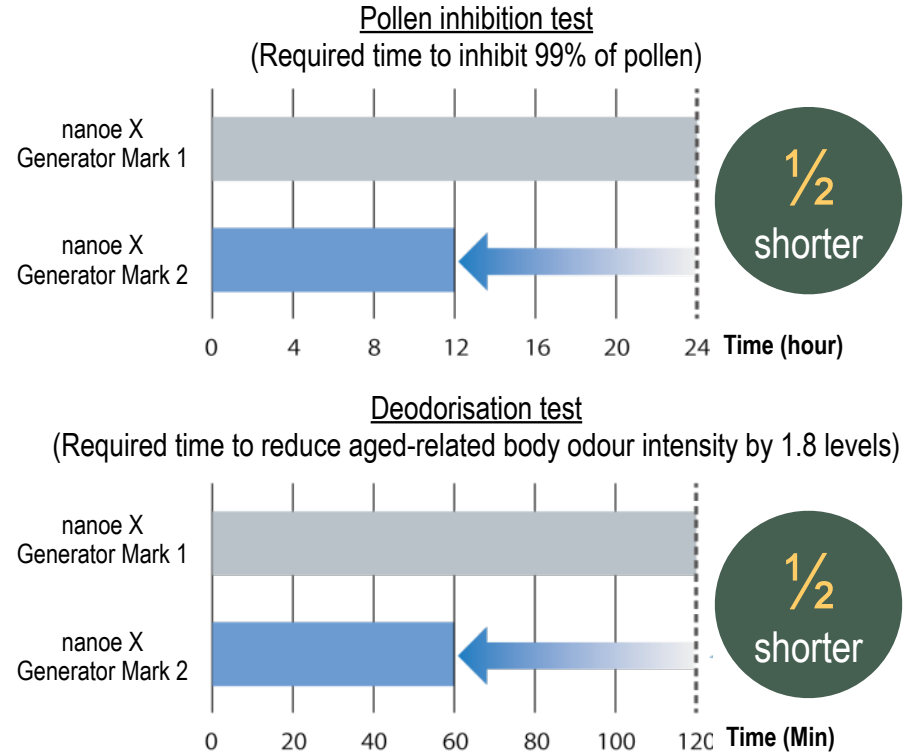
nanoe™ X	nanoe™ X Mark 2
480 OH radical (bil/sec)	4,800 OH radical (bil/sec)
	
	



## Doubled OH radicals



## Deodorise and inhibit pollutant by half time



## Smart WLAN networking on the day of purchase



Wireless LAN

Built-in WLAN means there's no need to install an optional WLAN adapter. Remote control of air conditioner settings is also easy.

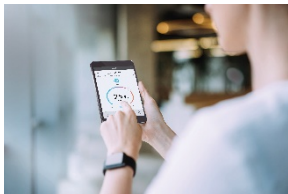


Built-in WLAN



## Smart Air Conditioner Control

Remotely control your comfort from just one mobile device.



Panasonic Comfort Cloud App

### 24hours Smart Heating & Cooling

You can operate the air conditioner when you're away and check room temperature with your smartphone. In the winter, to prevent a vacant summer house becoming freezing cold, you can start heating it from home.

When you're at home



Control of heating and cooling as desired with a smartphone

When you're away



In the winter, remote control of heating in an unoccupied summer house

### Intuitive Voice Control

Google Assistant and Amazon Alexa control compatibility lets you control the air conditioner with your voice.

Ok Google, turn on the living room air conditioner

"Alexa, turn on the living room air conditioner."

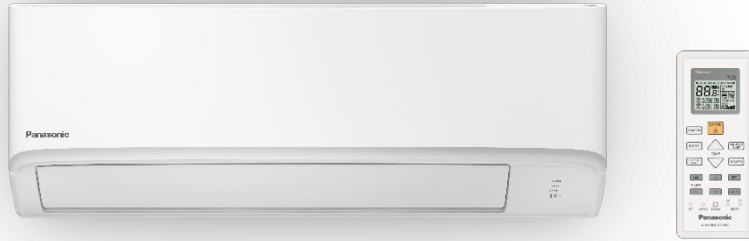
Compatible with\*



## ■ Indoor Unit Design CS-CZ\*\*WKE



AEROWINGS



\* Matt white.

Model		CS-CZ25WKE	CS-CZ35WKE
Capacity		2.5 kW	3.5 kW
Dimension	Indoor unit	290 x 779 x 209 mm	
	Outdoor unit	622 x 824 x 299 mm	
ErP rank		A++ / A+	

## Easy Installation & Servicing

NEW

- New chassis and parts designed for easier installation
- Compact 779 mm wide indoor unit design

## Smart Control (Optional adaptor required\*1)



- Comfort Cloud for remote control
- Google Assistant and Amazon Alexa compatibility

## Energy Saving

High SCOP rating of **4.3**

NEW

## Comfort

AEROWINGS for more comfortable cooling

AEROWINGS

NEW

## Powerful Heating

Heating Possible at -25 °C

## Super Quiet

Low operation noise of just 20 dB in the Low mode (in heating)

\*1 Required optional WLAN adapter (CZ-TACG1)





## Easy Installation & Servicing

**NEW** ///



New structure for easier installation and servicing. Installation requires fewer steps and less time.

## Higher SCOP: 4.3

**NEW** ///



CZ series models boast high energy-efficiency with a SCOP rating of 4.3, which places them in the industry's top class of energy savers (in the standard model class).

## Shower Air Flow (AEROWINGS)

**NEW** ///



Big twin flaps concentrate airflow to deliver cool air across a room and up to walls that showers down gently for comfortable cooling.

AEROWINGS

## Heating Possible at -25°C

**NEW** ///



Heating is possible even when the outside temperature is -25°C. This means reliable heating even in the middle of winter.



## High heating capacity

Effective control of refrigerant with expansion valves has further improved heating capacity. Heating is possible even when the outside temperature is  $-25^{\circ}\text{C}$ .



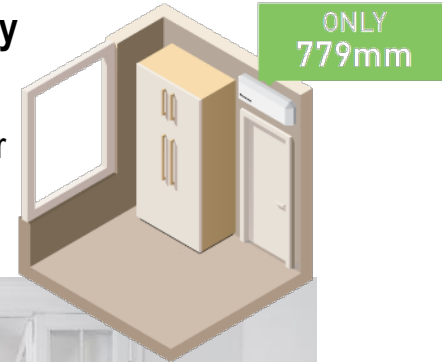
Heating  
down to  
 **$-25^{\circ}\text{C}$**



## New super-compact design

New super compact design – **only 779mm** width!

Ideal to install in narrow spaces or above the door



Thanks to advanced improvements, installation time has been dramatically decreased.

## Installation Plate

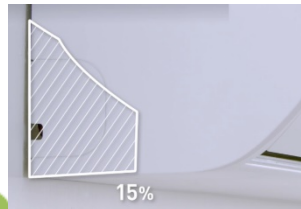
Stronger and solid, even the thickness 0.5mm.



## Piping Storage

15 % Larger\*

\*Comparison with conventional model



## Screw Holders for Uneven Surface

Easy to neat installation

\*Not compulsory

\*Screws not provided.



## Network Adapter Storage

Features a dedicated space for the network adapter. Enables easy installation and hides the adapter for a neat look



\* Only applicable with models without built-in network adapter

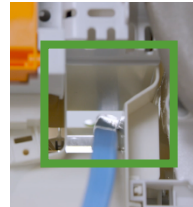
## Built-in Support Holder

Sufficient work space between the panel and the body

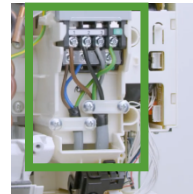


## Wire Insertion

2 wire inserts combined into 1 for extra convenience when inserting wires



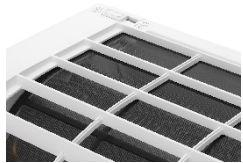
Bigger work space for easier wire connection



Improved shape of parts, assembly method, etc., for easier servicing

## Front Grille Removal

**Slider Locks**  
Easy to unlock / lock



**One-piece Front Grille**  
Easy removal



Easier and faster removal



## Cross Flow Fan Replacement

Easy removal and installation



## Piping Inspection

Easy visibility

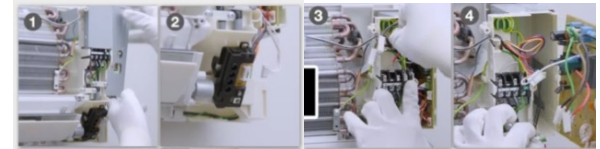


Wider piping space



## PCB Removal

Simple steps for PCB removal



1 Remove control board cover

2 Disconnect connector from indicator

3 Disconnect all connectors

4 Pull out main PCB

## Drain Hose Inspection

Easier access for drain hose inspection



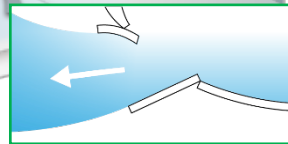
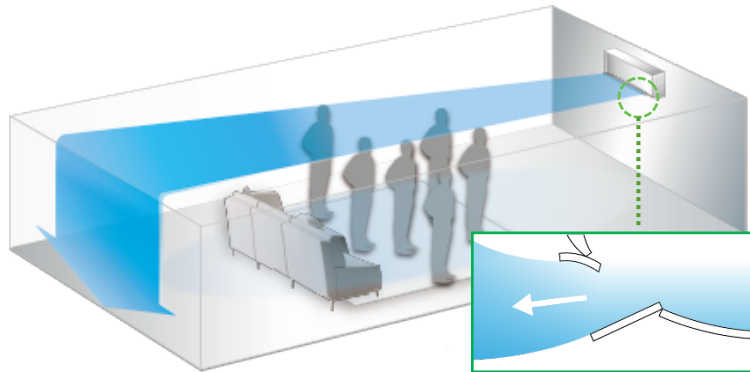


<https://www.youtube.com/watch?v=VU38QrwEv4A>



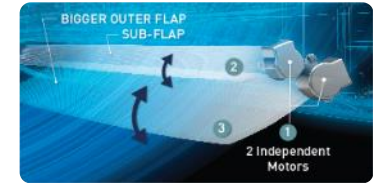
## Concentrated Airflow for More Comfortable Cooling

There are now two flaps to enable finer control of air flow direction.



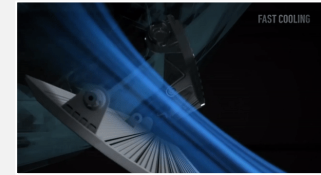
Big Twin Flap

## AEROWINGS



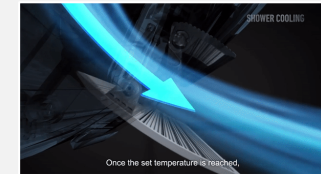
### Fast Cooling

AEROWINGS twin flaps direct concentrated airflow downwards to cool you rapidly.



### Shower Cooling

Shower air flow quickly spreads cool air across a room and up to the walls, and then it showers down gently.



# Panasonic



# Panasonic Comfort Cloud and Voice Control



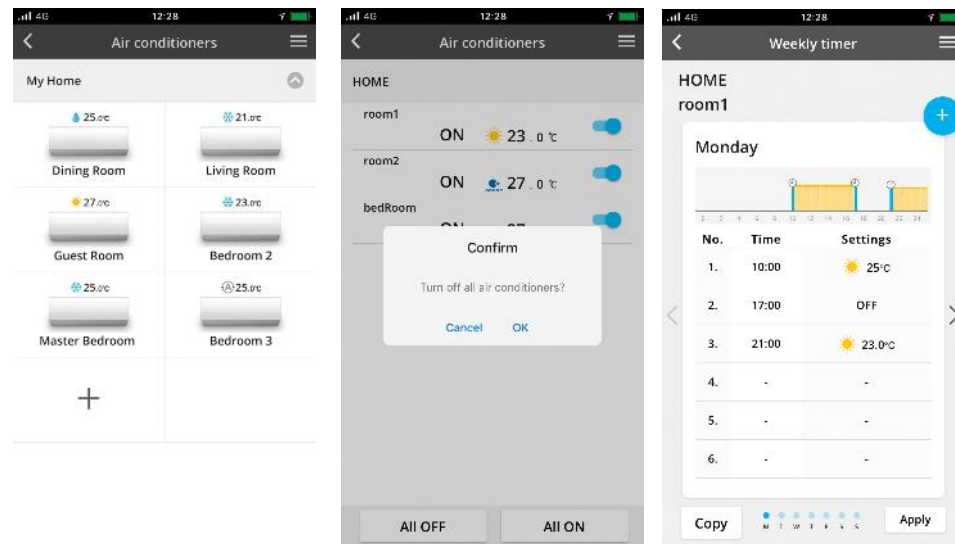
heating & cooling solutions

## 1 Panasonic Comfort Cloud

Control up to 200 units from anytime, anywhere.

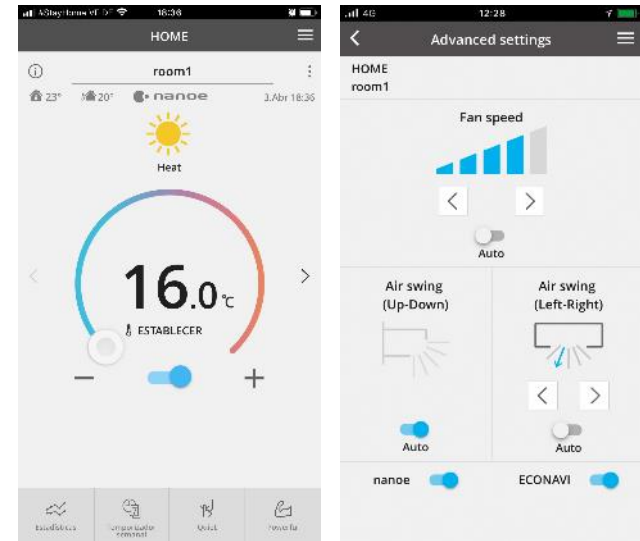


### 1 Smart Control

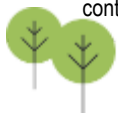


- Up to 20 units per 10 locations
- Transform multiple remote controller in 1 device
- Manage multiple units at once
- Set weekly timers (can be done for multiple units)

### 2 Smart Comfort



- Adjust set temperature
- Activate nanoeX and other functions





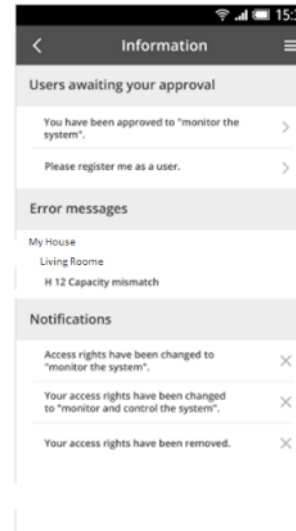
## 1 Panasonic Comfort Cloud

### 3 Smart Efficiency

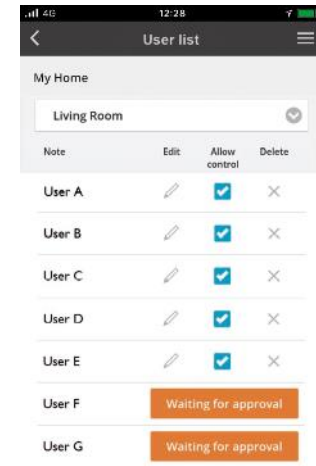


- Energy usage analysis
- Energy usage comparison

### 4 Smart Assist




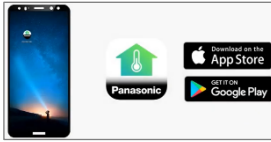
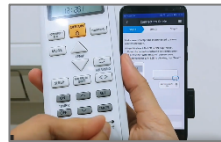
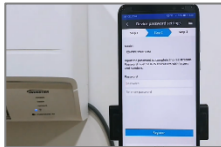
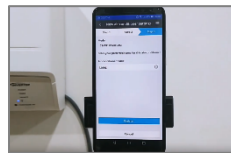


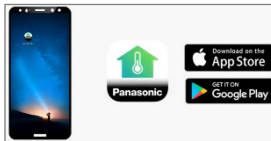

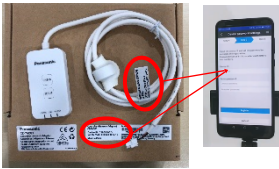
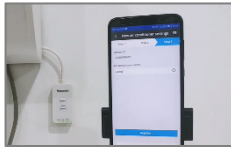
- Error codes notification



- Adjust set temperature
- Activate nanoeX in advance



# RAC Comfort Cloud connection process

	Done by Professional Installer	Done by End User			
	Adapter Installation	App download	Step1 Connection Settings WLAN connection	Step2 Device Password Settings Air conditioner registration	Step3 New Air Conditioner Settings Air conditioner naming
<p>Built-in WLAN Models</p> 	<p><b>Not required!</b></p>	 <p>Download Comfort Cloud</p>	 <p>AC and WLAN connection with remote control buttons</p>	 <p>Password setting</p>	 <p>Name the device</p>
<p>Use of an External Adapter</p> 	<p><b>Installation work required!</b></p> 	 <p>Download Comfort Cloud</p>	 <p>Connect the adapter and WLAN using adapter buttons</p>	 <p>Set the password after inputting the adapter ID * ID is written on the box and the adapter wire.</p>	 <p>Name the device</p>



## I Operate the air with your voice

Panasonic Comfort Cloud is compatible with the main Voice Assistants in the market



### 1 Turn ON/OFF air conditioner



### 2 Change mode



### 3 Adjust temperature



### 4 Check current status



	Function		Alexa	Google Assistant	Comfort Cloud	Remote control	Notes	
Smart Control	ON/OFF		✓	✓	✓	✓		
	Control multiple units				✓			
	Set up and manage routines		✓	✓				
Smart Comfort	Temperature	Specify Temperature	✓	✓	✓	✓	Ex. Set at 20 °C	
		Relative Adjustment	✓	✓	✓	✓	Ex. 2 °C higher/lower	
	Mode	Cooling	✓	✓	✓	✓		
		Heating	✓	✓	✓	✓		
		Auto	✓	✓	✓	✓		
	nanoe X				✓	✓		
Smart efficiency	Analyse energy usage patterns				✓			
	Compare historical usage				✓			
Smart Assist	Receive error notifications				✓			
	Assign multiple users		✓	✓	✓	✓		
	Status Check	Overall	X	✓	✓	✓	✓	
		ON/OFF	✓	✓	✓	✓	✓	
		Mode	✓	✓	✓	✓	✓	
		Temperature	✓	✓	✓	✓	✓	

# Panasonic



## Accessories



heating & cooling solutions

## Connectivity



**CZ-TACG1**  
WLAN adapter for  
Internet control



**CZ-CAPRA1**  
RAC interface for  
integration into P-link



**PAW-AC-KNX-1i**  
Interface for KNX  
integration



**PAW-AC-MBS-1**  
Interface for Modbus  
integration



**PAW-AC-BAC-1**  
Interface for Bacnet  
integration



**PAW-SMSCONTROL**  
Control of Ethera by  
SMS (additional SIM  
required)



**PAW-AC-DIO**  
Dry contact ON/OFF  
Interface for wall type



**PAW-AC-HEAT-1**  
PCB for heating only  
for Ethera, Cassette  
and Duct



## Optional Wall remote controller



**CZ-RD514C**  
Wall remote controller  
for Wall mounted and  
Floor console



**CZ-RD514CP**  
Wall remote controller  
for Cassette 60:60

## Optional Wireless controller



**CZ-RD511D**  
Sky remote control for Duct.  
Cable length of the receiver: 2m

## Other accessories



**CZ-MA1P**  
**CZ-MA2P**  
**CZ-MA3P**  
Pipe reducer  
(necessary for some  
multi combinations)



**CZ-BT20EW**  
Panel for cassette  
60:60



# Panasonic

heating & cooling solutions