

PM2 Series

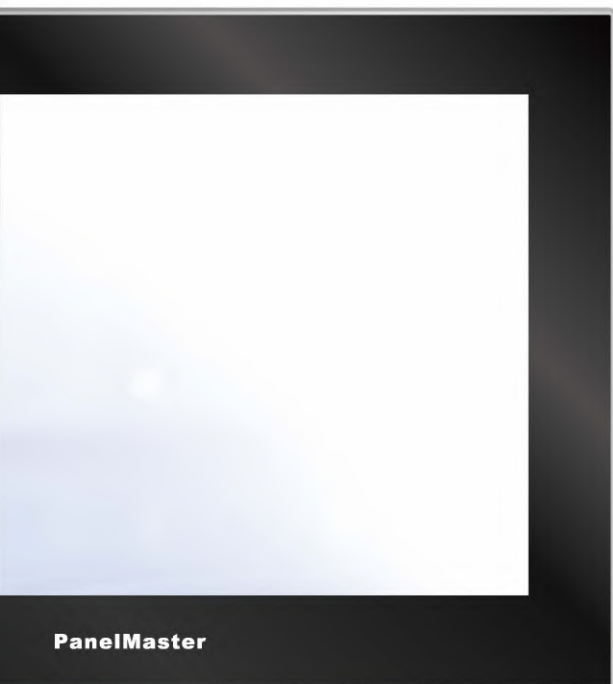
Slim , Aesthetic design , Eye-catching appearance

It has an ultra-thin body(UTB), a sleek all-black design with a smooth, premium-feeling matte finish flat touch panel equipped with a high-resolution, high-chrome LCD screen to bring a new control experience to users.



So Slim

1.2mm ultra-slim bezel, the near-border-less modern look design allows you to enjoy an extreme Visual experience with more space to install for your projects.



So Thin

7" : 25.7 mm
10" : 26.1 mm



Ergonomic Design

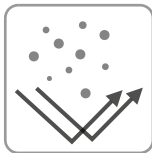
The touch screen auxiliary bracket design allows professionals to position the machine more intuitively and program it more conveniently.



10" Only

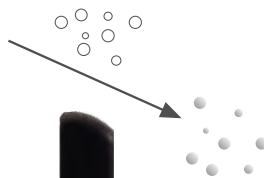
IP65 Protection (*Replace metal fasteners, can support IP66)

The touch panel is IP65 rating water resistant with dust ingress protection from dust intrusion.



Streamlined arc design

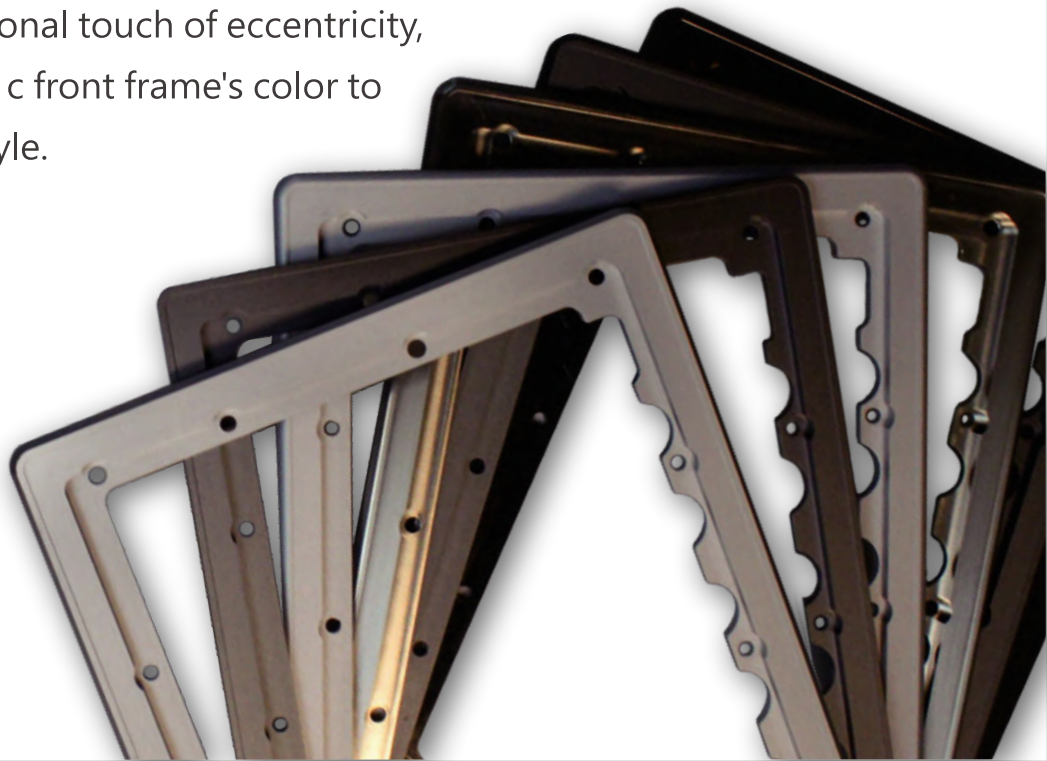
Other HMI



The frame features a streamlined arc design which prevents it from accumulating dust and water stains to reduce maintenance costs.

Front aluminum frame customization service

For those who like the personal touch of eccentricity, you can also customize the c front frame's color to outstand the equipment style.

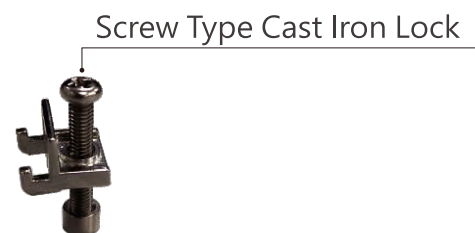


Tool-free Quick installation

Adopting Cermate patented screw-free fixing fasteners is a tool-free and quick installation. If higher protection is required, upgrade to optional screw-type cast iron fasteners to increase the degree of protection to IP66.



Patented Fixed Lock
(Support cabinet sheet thickness 1~2.5mm)



Screw Type Cast Iron Lock

Immersive high-resolution true-color touchscreen

1024 x 600

Resolution

16.7 million

colors

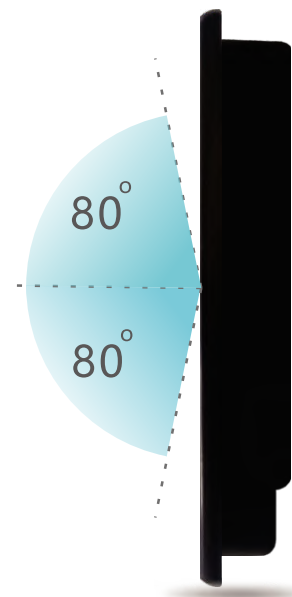


Wide viewing angle

Improving the viewing angle of the LCD screen in an all-around way makes the viewing experience the most comfortable without obstructions.

Standard LCD(R/L/B/T): 70/70/70/60

Extended LCD(R/L/B/T): 80/80/80/80



Vertical and Horizontal views switching

The self-adjusting object function, switching between vertical and horizontal views, is more flexible. No stretching or shrinking of objects saves re-configuring efforts.



Complete communication Interface

COM1: RS-232

COM2: RS-422 / RS-485

*COM3: RS-232 / RS-485 / CANBus
(*Optional)



PM2 Serial
9PIN D-Sub Female

Standard Model

Pin	COM1	COM2
1		RS-422 TX+ / RS-485+
2	RS-232 RX	
3	RS-232 TX	
4		RS-422 RX+
5	SG	
6		RS-422 TX- / RS-485-
7		
8		
9		RS-422 RX-

*Optional

Pin	COM3 (R)	COM3 (S)	COM3 (C)	COM1 (F)
1				
2				
3				
4				
5				
6				
7	RS-232 TX	RS-485-	CAN L	RS-232 RTS
8	RS-232 RX	RS-485+	CAN H	RS-232 CTS
9				



PM2 Ethernet
9PIN Terminal

Standard Model

Pin	COM1	COM2
1		
2		
3	RS-232 TX	
4	RS-232 RX	
5	SG	
6		RS-422 TX+ / RS-485+
7		RS-422 TX- / RS-485-
8		RS-422 RX+
9		RS-422 RX-

*Optional

Pin	COM3 (R)	COM3 (S)	COM3 (C)	COM1 (F)
1	RS-232 TX	RS-485+	CAN H	RS-232 RTS
2	RS-232 RX	RS-485-	CAN L	RS-232 CTS
3				
4				
5				
6				
7				
8				
9				

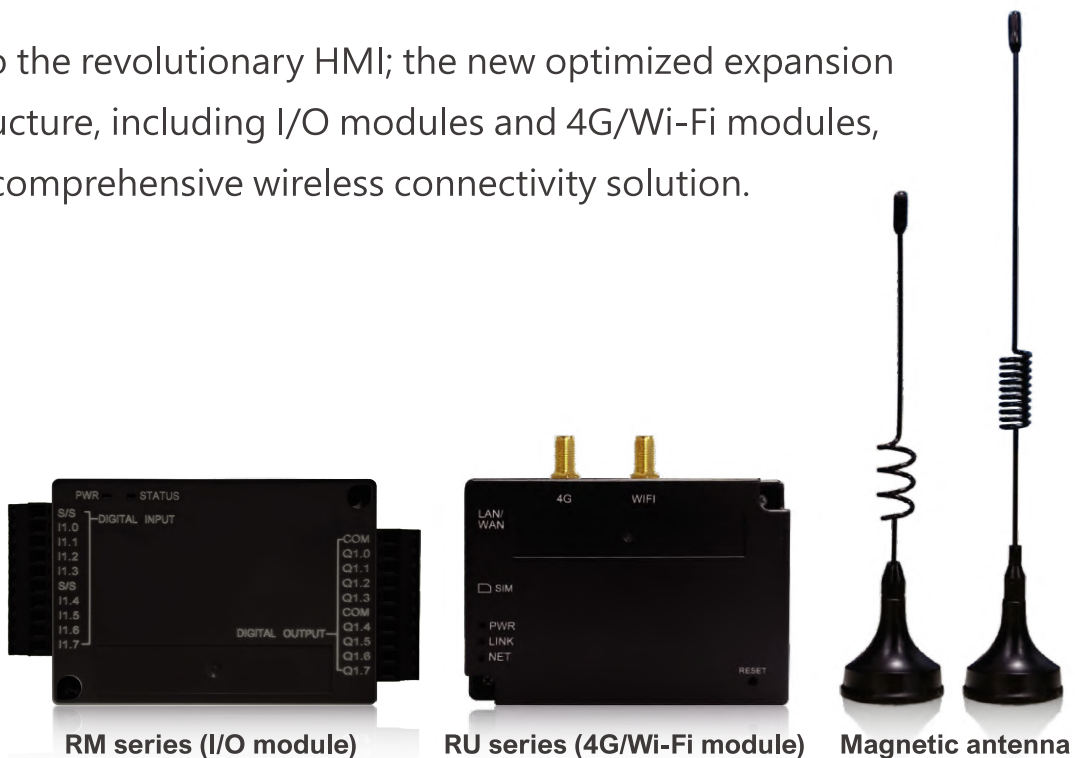
Extended battery

The unit has a battery-backed memory feature and will perform well when battery power is available. Unlike the traditional design, it supports a commercial standard 24.5mm button battery with a 2Pin Pitch 1.25mm Pico Blade connector as the extended battery. It is easy to replace the battery by the users without hassle.



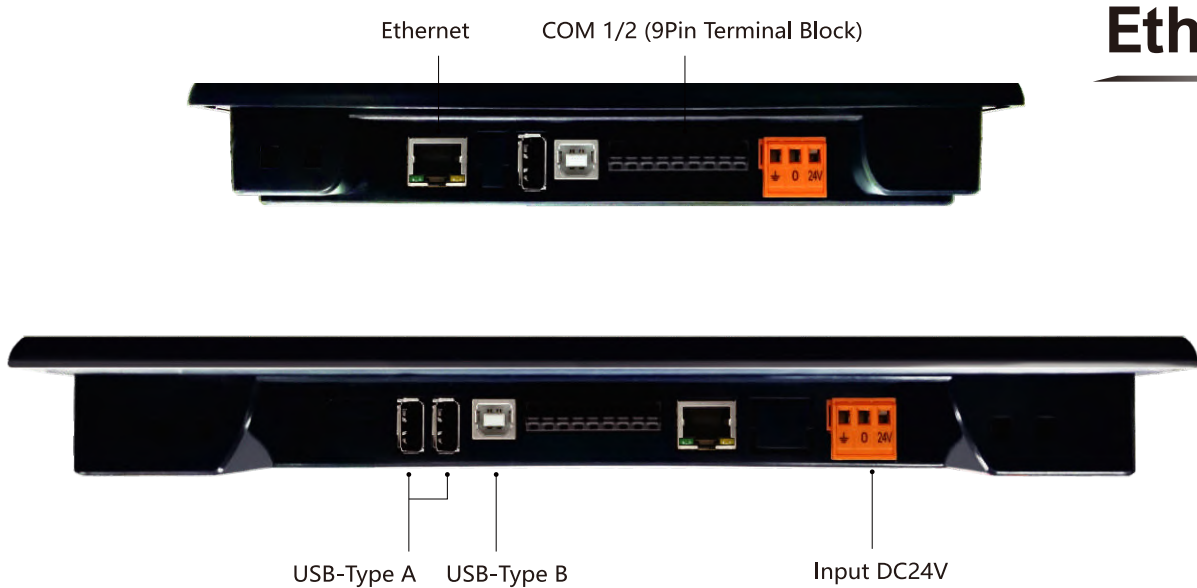
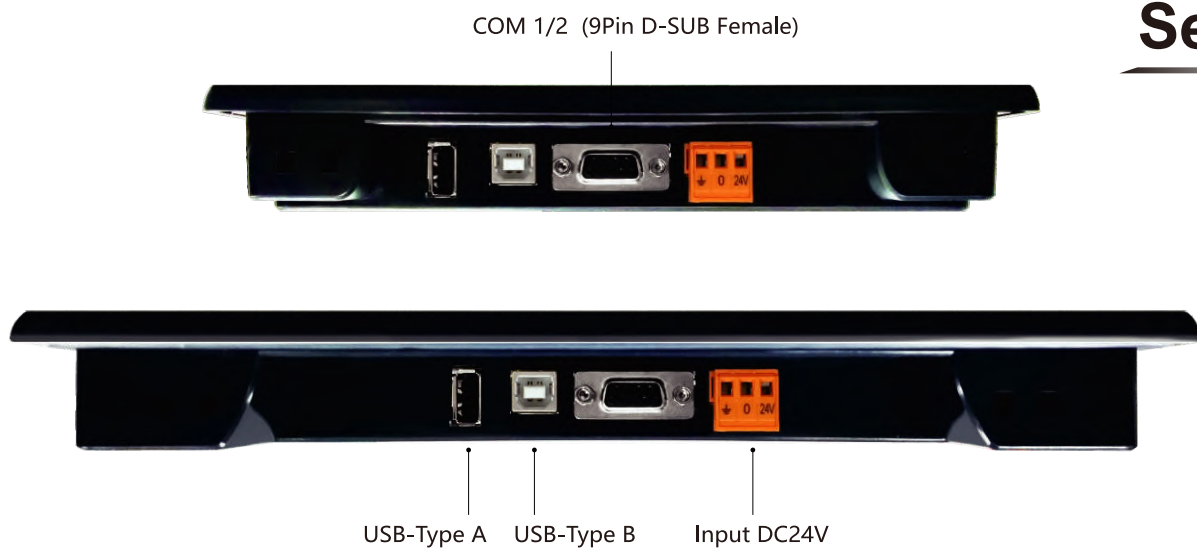
More possibilities

Welcome to the revolutionary HMI; the new optimized expansion module structure, including I/O modules and 4G/Wi-Fi modules, provides a comprehensive wireless connectivity solution.



Complete I/O connections

It has a complete I/O connection port with built-in RS-232/422/485 communications and a USB Type-B connection port for high-speed processing and program download. You can also quickly update the program through a USB Type-A external U disk and easily access the historical data of the touch screen.

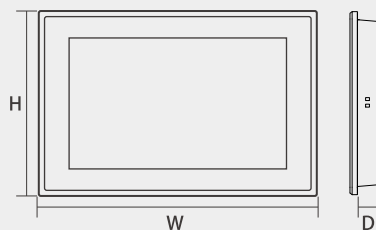


PM2-Standard_Serial

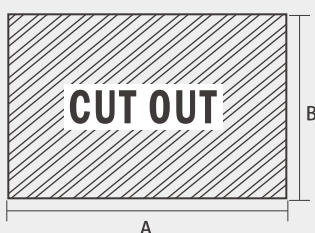


	Model	PM204-0C20S	PM204-1C20S	PM207-0C20S	PM207-1C20S	PM210-1C20S
LCD Display	Size	4.3"		7"		10.1"
	Max. Resolution	480*272	800*480		1024*600	
	Type	TFT LCD with LED Backlight				
	Chromatic Number	16.7 M				
	Backlight (hr)	About 20,000				
	Luminance	450 cd/m2	400 cd/m2	300 cd/m2	220 cd/m2	200 cd/m2
	Touch Panel	4-wire Resistive Type				
CPU & Memory	CPU	RISC ARM9 32Bit				
	BKRAM	Standard: NAND Flash 128KB / Optional: MRAM 128KB				
	Working Memory	128MB DRAM				
	Application Memory	40MB				
	Real-Time Clock (RTC)	YES (External unchargeable battery type, 1 years battery life)				
	Max. Programming pages	7999 Pages				
	Max. Macro Commands	Unlimited				
Communication Interface	USB Host	YES (USB2.0)				
	USB Client	YES (USB2.0)				
	COM1	RS232 (DB9)				
	COM2	RS422/485 (DB9)				
	COM3	N/A (*Optional: RS232 or RS485 or CANBus)				
Power	Supply Voltage	24VDC±10% (Non-isolated)				
	External Battery Port	YES (Battery type: CR2032H 3V 240mA)				
	Consumption	10W (24VDC, about 0.44A)		12W (24VDC, about 0.5A)		16W (24VDC, about 0.7A)
Environment	Operating Temperature	0°C~50°C				
	Relative Humidity	10%~90%				
	Shock (Operation)	Half sine, 20G, 11ms duration				
	Vibration (Operation)	Random vibration 1 Grms (5 ~ 500 Hz)				
	EMI	FCC Part 15 Class A				
	CE	EN61000-6-2, EN61000-6-4				
	Ingress Protection	IP65 (Use screw-free lock, the thickness of the plate needs to be ≥ 2~3mm)				
	Cooling	Natural Cooling				
Mechanism Spec.	Outlet Dimension WxHxD	138 x 86 x 35.05 (mm)		197.1 x 140.1 x 25.7 (mm)		267.1 x 185.1 x 26.1 (mm)
	Cutout Dimension Ax B	132.5 x 80.5 (mm)		185 x 128 (mm)		252 x 170 (mm)
	Net Weight	230±10 (g)		409±10 (g)		838.2±10 (g)
Material & Color	Material	Plastic				
	Color	Titanium Blue				
Software	Editing Software	PM Designer v4.0				

· Outlet Dimension



· Cutout Dimension



· Naming Rule

PM2 07-1 C 20 S - G 0 N 0 Cxx

Model Name
PM2 RTOS HMI

LCD Size
04 4.3"
07 7"
08 8"
10 10.1"

LCD Resolution
0 LCM 4.3": 480*272
LCM 7"/10.1": 800*480
1 LCM 4.3": 800*480
LCM 7"/10.1": 1024*600

Operating Temperature
A Ultimate LCM (-20°C~70°C)
B Extended LCM (-10°C~60°C)
C Standard LCM (0°C~50°C)
D ODM

Special Function
Blank (Standard)
H HMI Server
D 2USB + Built-in Micro SD
*D is only for serial models
U 4.3" + Front USB

Serial/Ethernet Port/Expansion Bus
20 COM1/2
30 COM1/2/3
21 COM1/2 + LAN1
31 COM1/2/3 + LAN1
40 20 Model + Expansion Bus
41 21 Model + Expansion Bus
50 30 Model + Expansion Bus
51 31 Model + Expansion Bus

Case Material / Color
G Plastic / Titanium Blue
W Plastic / Moon White
A Aluminum / Silver (Front Frame)
Plastic / Moon White (Rear Case)
V Wide-Aluminum / Silver (Front Frame)
Plastic / Moon White (Rear Case)
N Open Frame

Serial Port Definition
S COM1: RS232 / COM2: RS422 or RS485 (20/21/40/41)
COM3: RS485 (30/31/50/51)
R COM1: RS232 / COM2: RS422 or RS485 (20/21/40/41)
COM3: RS232 (30/31/50/51)
C COM1: RS232 / COM2: RS422 or RS485 (20/21/40/41)
COM3: CANBus (30/31/50/51)
F COM1: RS232 with RTS,CTS / COM2: RS422 or RS485 (20/21/40/41)

Lock
N Plastic
M Metal

MRAM
0 0KB
1 128KB

OEM Version
Bxx OEM Foil
Cxx PanelMaster Foil
Nxx None Logo Foil

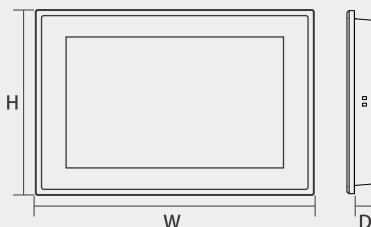
PCB Coating / VESA
0 PCBA None Coating
1 PCBA General Coating
2 1 + VESA Solution
3 Enhance PCBA Coating
4 3 + VESA Solution
5 3 & Oil-resistant Sealing Ring

PM2-Standard_Ethernet

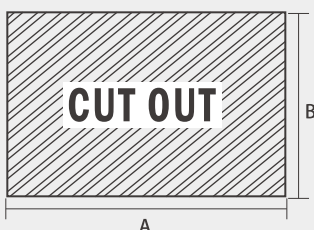


	Model	PM207-0C21S	PM207-1C21S	PM210-1C21S
LCD Display	Size	7"		10.1"
	Max. Resolution	800*480	1024*600	
	Type	TFT LCD with LED Backlight		
	Chromatic Number	16.7 M		
	Backlight (hr)	About 20,000		
	Luminance	300 cd/m2	220 cd/m2	200 cd/m2
CPU & Memory	Touch Panel	4-wire Resistive Type		
	CPU	RISC ARM9 32Bit		
	BKRAM	Standard: NAND Flash 128KB / Optional: MRAM 128KB		
	Working Memory	128MB DRAM		
	Application Memory	40MB		
	Real-Time Clock (RTC)	YES (External unchargeable battery type, 1 years battery life)		
Communication Interface	Max. Programming pages	7999 Pages		
	Max. Macro Commands	Unlimited		
	USB Host	YES (USB2.0)		YES (2*USB2.0)
	USB Client	YES (USB2.0)		
	COM1	RS232 (9Pin Terminal)		
	COM2	RS422/485 (9Pin Terminal)		
Power	COM3	N/A (*Optional: RS232 or RS485 or CANBus)		
	Ethernet	YES (10/100Mbps)		
	Supply Voltage	24VDC±10% (Isolated)		
	External Battery Port	YES (Battery type: CR2032H 3V 240mA)		
	Consumption	12W (24VDC, about 0.5A)	16W (24VDC, about 0.7A)	
	Environment	Operating Temperature	0°C~50°C	
Relative Humidity		10%~90%		
Shock (Operation)		Half sine, 20G, 11ms duration		
Vibration (Operation)		Random vibration 1 Grms (5 ~ 500 Hz)		
EMI		FCC Part 15 Class A		
CE		EN61000-6-2, EN61000-6-4		
Ingress Protection		IP65 (Use screw-free lock, the thickness of the plate needs to be ≥ 2~3mm)		
Mechanism Spec.	Cooling	Natural Cooling		
	Outlet Dimension WxHxD	197.1 x 140.1 x 25.7 (mm)		267.1 x 185.1 x 26.1 (mm)
	Cutout Dimension AxB	185 x 128 (mm)		252 x 170 (mm)
Material & Color	Net Weight	409±10 (g)		838.2±10 (g)
	Material	Plastic		
Software	Color	Titanium Blue		
	Editing Software	PM Designer v4.0		
	Connection Service	IDCS (Inter-Device Connection Service)		
	Transparent Service	tManager		
	OPC Server/MQTT	YES		

• Outlet Dimension



• Cutout Dimension



• Naming Rule

PM2 07-1 C 21 S - G 0 N 0 Cxx

Model Name
PM2 RTOS HMI

LCD Size
04 4.3"
07 7"
08 8"
10 10.1"

LCD Resolution
0 LCM 4.3": 480*272
LCM 7"/10.1": 800*480
1 LCM 4.3": 800*480
LCM 7"/10.1": 1024*600

Operating Temperature
A Ultimate LCM (-20°C~70°C)
B Extended LCM (-10°C~60°C)
C Standard LCM (0°C~50°C)
D ODM

Special Function
Blank (Standard)
H HMI Server
D 2USB + Built-in Micro SD
*D is only for serial models
U 4.3" + Front USB

Serial/Ethernet Port/Expansion Bus
20 COM1/2
30 COM1/2/3
21 COM1/2 + LAN1
31 COM1/2/3 + LAN1
40 20 Model + Expansion Bus
41 21 Model + Expansion Bus
50 30 Model + Expansion Bus
51 31 Model + Expansion Bus

Lock
N Plastic
M Metal

MRAM
0 0KB
1 128KB

OEM Version
Bxx OEM Foil
Cxx PanelMaster Foil
Nxx None Logo Foil

Case Material / Color
G Plastic / Titanium Blue
W Plastic / Moon White
A Aluminum / Silver (Front Frame)
Plastic / Moon White (Rear Case)
V Wide-Aluminum / Silver (Front Frame)
Plastic / Moon White (Rear Case)
N Open Frame

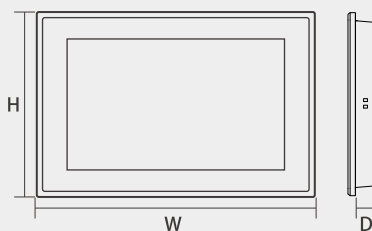
PCB Coating / VESA
0 PCBA None Coating
1 PCBA General Coating
2 1 + VESA Solution
3 Enhance PCBA Coating
4 3 + VESA Solution
5 3 & Oil-resistant Sealing Ring

Serial Port Definition
S COM1: RS232 / COM2: RS422 or RS485 (20/21/40/41)
COM3: RS485 (30/31/50/51)
R COM1: RS232 / COM2: RS422 or RS485 (20/21/40/41)
COM3: RS232 (30/31/50/51)
C COM1: RS232 / COM2: RS422 or RS485 (20/21/40/41)
COM3: CANBus (30/31/50/51)
F COM1: RS232 with RTS,CTS / COM2: RS422 or RS485 (20/21/40/41)



Model		PM207-0C21HS	PM207-1C21HS	PM210-1C21HS
LCD Display	Size	7"		10.1"
	Max. Resolution	800*480		1024*600
	Type	TFT LCD with LED Backlight		
	Chromatic Number	16.7 M		
	Backlight (hr)	About 20,000		
	Luminance	300 cd/m2	220 cd/m2	200 cd/m2
CPU & Memory	Touch Panel	4-wire Resistive Type		
	CPU	RISC ARM9 32Bit		
	BKRAM	Standard: NAND Flash 128KB / Optional: MRAM 128KB		
	Working Memory	128MB DRAM		
	Application Memory	40MB		
	Real-Time Clock (RTC)	YES (External unchargeable battery type, 1 years battery life)		
Communication Interface	Max. Programming pages	7999 Pages		
	Max. Macro Commands	Unlimited		
	USB Host	YES (USB2.0)		YES (2*USB2.0)
	USB Client	YES (USB2.0)		
	COM1	RS232 (9Pin Terminal)		
	COM2	RS422/485 (9Pin Terminal)		
Power	COM3	N/A (*Optional: RS232 or RS485 or CANBus)		
	Ethernet	YES (10/100Mbps)		
	Supply Voltage	24VDC±10% (Isolated)		
	External Battery Port	YES (Battery type: CR2032H 3V 240mA)		
	Consumption	12W (24VDC, about 0.5A)		16W (24VDC, about 0.7A)
	Environment			
Environment	Operating Temperature	0°C~50°C		
	Relative Humidity	10%~90%		
	Shock (Operation)	Half sine, 20G, 11ms duration		
	Vibration (Operation)	Random vibration 1 Grms (5 ~ 500 Hz)		
	EMI	FCC Part 15 Class A		
	CE	EN61000-6-2, EN61000-6-4		
Mechanism Spec.	Ingress Protection	IP65 (Use screw-free lock, the thickness of the plate needs to be ≥ 2~3mm)		
	Cooling	Natural Cooling		
	Outlet Dimension WxHxD	197.1 x 140.1 x 25.7 (mm)		267.1 x 185.1 x 26.1 (mm)
	Cutout Dimension AxBy	185 x 128 (mm)		252 x 170 (mm)
	Net Weight	409±10 (g)		838.2±10 (g)
	Material	Plastic		
Material & Color	Color	Titanium Blue		
	Editing Software	PM Designer v4.0		
	Connection Service	IDCS (Inter-Device Connection Service)		
	Transparent Service	tManager		
	OPC Server/MQTT	YES		
	HMI Server	HMI in Hand & PanelVision		

· Outlet Dimension



· Cutout Dimension



· Naming Rule

PM2 07-1 C 21 H S - G O N O Cxx

Model Name
PM2 RTOS HMI

LCD Size
04 4.3"
07 7"
08 8"
10 10.1"

LCD Resolution
0 LCM 4.3": 480*272
LCM 7"/10.1": 800*480
1 LCM 4.3": 800*480
LCM 7"/10.1": 1024*600

Operating Temperature
A Ultimate LCM (-20°C~70°C)
B Extended LCM (-10°C~60°C)
C Standard LCM (0°C~50°C)
D ODM

Special Function
Blank (Standard)
H HMI Server
D 2USB + Built-in Micro SD
*D is only for serial models
U 4.3" + Front USB

Serial/Ethernet Port/Expansion Bus
20 COM1/2
30 COM1/2/3
21 COM1/2 + LAN1
31 COM1/2/3 + LAN1
40 20 Model + Expansion Bus
41 21 Model + Expansion Bus
50 30 Model + Expansion Bus
51 31 Model + Expansion Bus

Case Material / Color
G Plastic / Titanium Blue
W Plastic / Moon White
A Aluminum / Silver (Front Frame)
Plastic / Moon White (Rear Case)
V Wide-Aluminum / Silver (Front Frame)
Plastic / Moon White (Rear Case)
N Open Frame

Serial Port Definition
S COM1: RS232 / COM2: RS422 or RS485 (20/21/40/41)
COM3: RS485 (30/31/50/51)
R COM1: RS232 / COM2: RS422 or RS485 (20/21/40/41)
COM3: RS232 (30/31/50/51)
C COM1: RS232 / COM2: RS422 or RS485 (20/21/40/41)
COM3: CANBus (30/31/50/51)
F COM1: RS232 with RTS,CTS / COM2: RS422 or RS485 (20/21/40/41)

OEM Version
Bxx OEM Foil
Cxx PanelMaster Foil
Nxx None Logo Foil

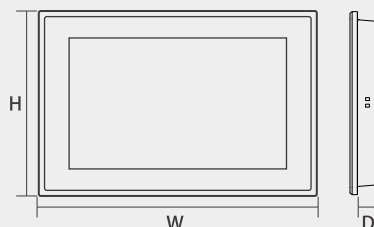
PCB Coating / VESA
0 PCBA None Coating
1 PCBA General Coating
2 1 + VESA Solution
3 Enhance PCBA Coating
4 3 + VESA Solution
5 3 + Oil-resistant Sealing Ring

PM2-Extended_Serial

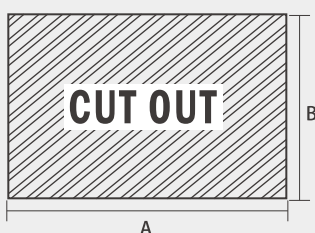


Model	PM207-0B20S	PM207-1B20S	PM208-1B20S	PM210-1B20S
LCD Display	Size	7"	8"	10.1"
	Max. Resolution	800*480	1024*600	
	Type	TFT LCD with LED Backlight		
	Chromatic Number	16.7 M		
	Backlight (hr)	About 20,000		
	Luminance	350 cd/m2	300 cd/m2	250 cd/m2
CPU & Memory	Touch Panel	4-wire Resistive Type		
	CPU	RISC ARM9 32Bit		
	BKRAM	Standard: NAND Flash 128KB / Optional: MRAM 128KB		
	Working Memory	128MB DRAM		
	Application Memory	40MB		
	Real-Time Clock (RTC)	YES (External unchargeable battery type, 1 years battery life)		
Communication Interface	Max. Programming pages	7999 Pages		
	Max. Macro Commands	Unlimited		
	USB Host	YES (USB2.0)		
	USB Client	YES (USB2.0)		
	COM1	RS232 (9Pin Terminal)		
	COM2	RS422/485 (9Pin Terminal)		
Power	COM3	N/A (*Optional: RS232 or RS485 or CANBus)		
	Supply Voltage	24VDC±10% (Isolated)		
	External Battery Port	YES (Battery type: CR2032H 3V 240mA)		
	Consumption	12W (24VDC 大約0.5A)	16W (24VDC 大約0.7A)	
	Operating Temperature	-10°C~60°C		
	Relative Humidity	10%~90%		
Environment	Shock (Operation)	Half sine, 20G, 11ms duration		
	Vibration (Operation)	Random vibration 1 Grms (5 ~ 500 Hz)		
	EMI	FCC Part 15 Class A		
	CE	EN61000-6-2, EN61000-6-4		
	Ingress Protection	IP65 (Use screw-free lock, the thickness of the plate needs to be ≥ 2~3mm)		
	Cooling	Natural Cooling		
Mechanism Spec.	Outlet Dimension WxHxD	197.1 x 140.1 x 25.7 (mm)	206.1 x 152.6 x 28.6 (mm)	267.1 x 185.1 x 26.1 (mm)
	Cutout Dimension AxB	185 x 128 (mm)	192 x 138 (mm)	252 x 170 (mm)
	Net Weight	409±10 (g)	510±10 (g)	838.2±10 (g)
Material & Color	Material	Plastic		
	Color	Moon White		
Software	Editing Software	PM Designer v4.0		

· Outlet Dimension



· Cutout Dimension



· Naming Rule

PM2 07-1 B 20 S - W 0 N 0 Cxx

Model Name
PM2 RTOS HMI

LCD Size
04 4.3"
07 7"
08 8"
10 10.1"

LCD Resolution
0 LCM 4.3": 480*272
LCM 7"/10.1": 800*480
1 LCM 4.3": 800*480
LCM 7"/10.1": 1024*600

Operating Temperature
A Ultimate LCM (-20°C~70°C)
B Extended LCM (-10°C~60°C)
C Standard LCM (0°C~50°C)
D ODM

Special Function

Blank (Standard)
H HMI Server
D 2USB + Built-in Micro SD
*D is only for serial models
U 4.3" + Front USB

Serial/Ethernet Port/Expansion Bus

20 COM1/2
30 COM1/2/3
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31 COM1/2/3 + LAN1
40 20 Model + Expansion Bus
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50 30 Model + Expansion Bus
51 31 Model + Expansion Bus

Case Material / Color

G Plastic / Titanium Blue
W Plastic / Moon White
A Aluminum / Silver (Front Frame)
Plastic / Moon White (Rear Case)
V Wide-Aluminum / Silver (Front Frame)
Plastic / Moon White (Rear Case)
N Open Frame

Serial Port Definition

S COM1: RS232 / COM2: RS422 or RS485 (20/21/40/41)
COM3: RS485 (30/31/50/51)
R COM1: RS232 / COM2: RS422 or RS485 (20/21/40/41)
COM3: RS232 (30/31/50/51)
C COM1: RS232 / COM2: RS422 or RS485 (20/21/40/41)
COM3: CANBus (30/31/50/51)
F COM1: RS232 with RTS,CTS / COM2: RS422 or RS485 (20/21/40/41)

Lock

N Plastic
M Metal

MRAM

0 0KB
1 128KB

OEM Version

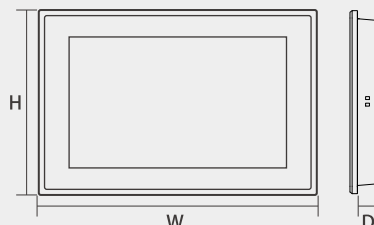
Bxx OEM Foil
Cxx PanelMaster Foil
Nxx None Logo Foil
PCB Coating / VESA
0 PCBA None Coating
1 PCBA General Coating
2 1 + VESA Solution
3 Enhance PCBA Coating
4 3 + VESA Solution
5 3 & Oil-resistant Sealing Ring

PM2-Extended_Ethernet

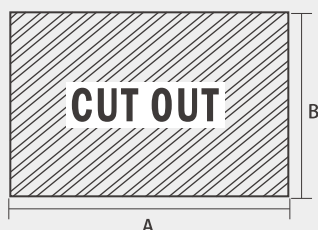


Model	PM207-0B21S	PM207-1B21S	PM208-1B21S	PM210-1B21S
LCD Display	Size	7"	8"	10.1"
	Max. Resolution	800*480	1024*600	
	Type	TFT LCD with LED Backlight		
	Chromatic Number	16.7 M		
	Backlight (hr)	About 20,000		
	Luminance	350 cd/m2	300 cd/m2	250 cd/m2
	Touch Panel	4-wire Resistive Type		
CPU & Memory	CPU	RISC ARM9 32Bit		
	BKRAM	Standard: NAND Flash 128KB / Optional: MRAM 128KB		
	Working Memory	128MB DRAM		
	Application Memory	40MB		
	Real-Time Clock (RTC)	YES (External unchargeable battery type, 1 years battery life)		
	Max. Programming pages	7999 Pages		
	Max. Macro Commands	Unlimited		
Communication Interface	USB Host	YES (USB2.0)	YES (2*USB2.0)	
	USB Client	YES (USB2.0)		
	COM1	RS232 (9Pin Terminal)		
	COM2	RS422/485 (9Pin Terminal)		
	COM3	N/A (*Optional: RS232 or RS485 or CANBus)		
	Ethernet	YES (10/100Mbps)		
Power	Supply Voltage	24VDC±10% (Isolated)		
	External Battery Port	YES (Battery type: CR2032H 3V 240mA)		
	Consumption	12W (24VDC 大約0.5A)	16W (24VDC 大約0.7A)	
Environment	Operating Temperature	-10°C~60°C		
	Relative Humidity	10%~90%		
	Shock (Operation)	Half sine, 20G, 11ms duration		
	Vibration (Operation)	Random vibration 1 Grms (5 ~ 500 Hz)		
	EMI	FCC Part 15 Class A		
	CE	EN61000-6-2, EN61000-6-4		
	Ingress Protection	IP65 (Use screw-free lock, the thickness of the plate needs to be ≥ 2~3mm)		
Mechanism Spec.	Cooling	Natural Cooling		
	Outlet Dimension WxHxD	197.1 x 140.1 x 25.7 (mm)	206.1 x 152.6 x 28.6 (mm)	267.1 x 185.1 x 26.1 (mm)
	Cutout Dimension AxB	185 x 128 (mm)	192 x 138 (mm)	252 x 170 (mm)
	Net Weight	409±10 (g)	510±10 (g)	838.2±10 (g)
Material & Color	Material	Plastic		
	Color	Moon White		
Software	Editing Software	PM Designer v4.0		
	Connection Service	IDCS (Inter-Device Connection Service)		
	Transparent Service	tManager		
	OPC Server/MQTT	YES		

· Outlet Dimension



· Cutout Dimension



· Naming Rule

PM2 07-1 B 21 S - W O N O Cxx

Model Name
PM2 RTOS HMI

LCD Size
04 4.3"
07 7"
08 8"
10 10.1"

LCD Resolution
0 LCM 4.3": 480*272
LCM 7"/10.1": 800*480
1 LCM 4.3": 800*480
LCM 7"/10.1": 1024*600

Operating Temperature
A Ultimate LCM (-20°C~70°C)
B Extended LCM (-10°C~60°C)
C Standard LCM (0°C~50°C)
D ODM

Special Function
Blank (Standard)
H HMI Server
D 2USB + Built-in Micro SD
*D is only for serial models
U 4.3" + Front USB

Serial/Ethernet Port/Expansion Bus
20 COM1/2
30 COM1/2/3
21 COM1/2 + LAN1
31 COM1/2/3 + LAN1
40 20 Model + Expansion Bus
41 21 Model + Expansion Bus
50 30 Model + Expansion Bus
51 31 Model + Expansion Bus

Lock
N Plastic
M Metal

MRAM
0 0KB
1 128KB

OEM Version
Bxx OEM Foil
Cxx PanelMaster Foil
Nxx None Logo Foil

Case Material / Color
G Plastic / Titanium Blue
W Plastic / Moon White
A Aluminum / Silver (Front Frame)
Plastic / Moon White (Rear Case)
V Wide-Aluminum / Silver (Front Frame)
Plastic / Moon White (Rear Case)
N Open Frame

PCB Coating / VESA
0 PCBA None Coating
1 PCBA General Coating
2 1 + VESA Solution
3 Enhance PCBA Coating
4 3 + VESA Solution
5 3 & Oil-resistant Sealing Ring

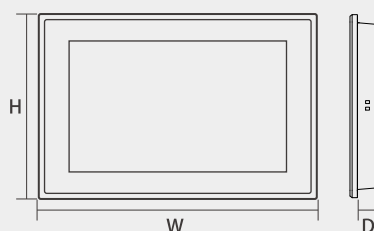
Serial Port Definition
S COM1: RS232 / COM2: RS422 or RS485 (20/21/40/41)
COM3: RS485 (30/31/50/51)
R COM1: RS232 / COM2: RS422 or RS485 (20/21/40/41)
COM3: RS232 (30/31/50/51)
C COM1: RS232 / COM2: RS422 or RS485 (20/21/40/41)
COM3: CANBus (30/31/50/51)
F COM1: RS232 with RTS,CTS / COM2: RS422 or RS485 (20/21/40/41)

PM2-Extended_IloT

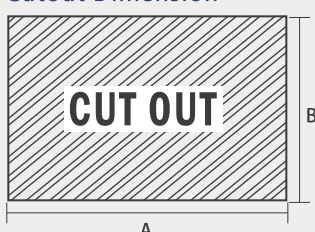


Model	PM207-0B21HS	PM207-1B21HS	PM208-1B21HS	PM210-1B21HS
LCD Display	Size	7"	8"	10.1"
	Max. Resolution	800*480	1024*600	
	Type	TFT LCD with LED Backlight		
	Chromatic Number	16.7 M		
	Backlight (hr)	About 20,000		
	Luminance	350 cd/m2	300 cd/m2	250 cd/m2
	Touch Panel	4-wire Resistive Type		
CPU & Memory	CPU	RISC ARM9 32Bit		
	BKRAM	Standard: NAND Flash 128KB / Optional: MRAM 128KB		
	Working Memory	128MB DRAM		
	Application Memory	40MB		
	Real-Time Clock (RTC)	YES (External unchargeable battery type, 1 years battery life)		
	Max. Programming pages	7999 Pages		
	Max. Macro Commands	Unlimited		
Communication Interface	USB Host	YES (USB2.0)	YES (2*USB2.0)	
	USB Client	YES (USB2.0)		
	COM1	RS232 (9Pin Terminal)		
	COM2	RS422/485 (9Pin Terminal)		
	COM3	N/A (*Optional: RS232 or RS485 or CANBus)		
	Ethernet	YES (10/100Mbps)		
Power	Supply Voltage	24VDC±10% (Isolated)		
	External Battery Port	YES (Battery type: CR2032H 3V 240mA)		
	Consumption	12W (24VDC 大約0.5A)	16W (24VDC 大約0.7A)	
Environment	Operating Temperature	-10°C~60°C		
	Relative Humidity	10%~90%		
	Shock (Operation)	Half sine, 20G, 11ms duration		
	Vibration (Operation)	Random vibration 1 Grms (5 ~ 500 Hz)		
	EMI	FCC Part 15 Class A		
	CE	EN61000-6-2, EN61000-6-4		
	Ingress Protection	IP65 (Use screw-free lock, the thickness of the plate needs to be ≥ 2~3mm)		
Mechanism Spec.	Cooling	Natural Cooling		
	Outlet Dimension WxHxD	197.1 x 140.1 x 25.7 (mm)	206.1 x 152.6 x 28.6 (mm)	267.1 x 185.1 x 26.1 (mm)
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	Net Weight	409±10 (g)	510±10 (g)	838.2±10 (g)
Material & Color	Material	Plastic		
	Color	Moon White		
Software	Editing Software	PM Designer v4.0		
	Connection Service	IDCS (Inter-Device Connection Service)		
	Transparent Service	tManager		
	OPC Server/MQTT	YES		
	HMI Server	HMI in Hand & PanelVision		

· Outlet Dimension



· Cutout Dimension



· Naming Rule

PM2 07-1 B 21 H S - W O N O Cxx

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PM2 RTOS HMI

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COM3: RS232 (30/31/50/51)
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COM3: CANBus (30/31/50/51)
F COM1: RS232 with RTS,CTS / COM2: RS422 or RS485 (20/21/40/41)

Lock
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M Metal

MRAM
0 0KB
1 128KB

OEM Version
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Cxx PanelMaster Foil
Nxx None Logo Foil

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