



PLC HARDWARE



IoT Edge Solution

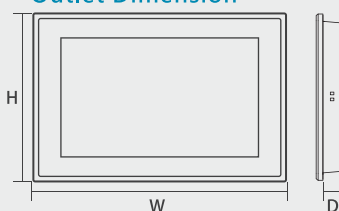
IoT Panel & Gateway / Intelligent Connectivity

SPM2 Series_Ethernet



Model	SPM207-1C21S	SPM210-1B21S	
LCD Display	Size	7"	10.1"
	Max. Resolution	1024*600	
	Type	TFT LCD with LED Backlight	
	Chromatic Number	16.7 M	
	Backlight (hr)	About 20,000	
	Luminance	220 cd/m ²	200 cd/m ²
	Touch Panel	4-wire Resistive Type	
	Viewing Angle	U: $\angle 60^\circ$ / D: $\angle 70^\circ$ / L: $\angle 70^\circ$ / R: $\angle 70^\circ$	U: $\angle 70^\circ$ / D: $\angle 60^\circ$ / L: $\angle 80^\circ$ / R: $\angle 80^\circ$
CPU & Memory	CPU	RISC ARM9 32Bit	
	Battery Backup SRAM	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 \pm 10% (Isolated)	
	External Battery Port	YES (Battery type: CR2032H 3V 240mA)	
	Consumption	12W (24VDC, about 0.5A)	16W (24VDC, about 0.7A)
	Operating Temperature	0 $^\circ$ C~50 $^\circ$ C	-10 $^\circ$ C~60 $^\circ$ C
Environment	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 $\geq 2\sim 3$ mm)	
	Cooling	Natural Cooling	
	Mechanism Spec.	Dimension WxHxD	197.1 x 140.1 x 25.7 (mm)
Cutout Dimension AxB		185 x 128 (mm)	252 x 170 (mm)
Net Weight		409 \pm 10 (g)	838.2 \pm 10 (g)
Material & Color	Material	Industrial Plastics	
	Color	Dark Titanium Blue	Bright Moon White
Software	Editing Software	PM Designer v4.0	
	Cloud Service	IDCS (Inter-Device Connection Service)	
	PLC Connection	tManager	
	MQTT	YES	

· Outlet Dimension



· Cutout Dimension

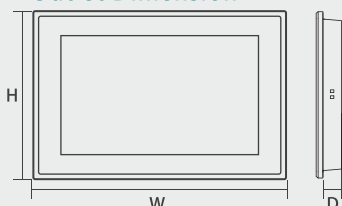


SPM2 Series_IIoT



Model	SPM207-1C21HS	SPM210-1B21HS	
LCD Display	Size	7"	10.1"
	Max. Resolution	1024*600	
	Type	TFT LCD with LED Backlight	
	Chromatic Number	16.7 M	
	Backlight (hr)	About 20,000	
	Luminance	220 cd/m2	200 cd/m2
	Touch Panel	4-wire Resistive Type	
	Viewing Angle	U: $\angle 60^\circ$ / D: $\angle 70^\circ$ / L: $\angle 70^\circ$ / R: $\angle 70^\circ$	U: $\angle 70^\circ$ / D: $\angle 60^\circ$ / L: $\angle 80^\circ$ / R: $\angle 80^\circ$
CPU & Memory	CPU	RISC ARM9 32Bit	
	Battery Backup SRAM	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 \pm 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 $^\circ$ C~50 $^\circ$ C	-10 $^\circ$ C~60 $^\circ$ 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 $\geq 2\sim 3$ mm)	
	Cooling	Natural Cooling	
Mechanism Spec.	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)
	Net Weight	409 \pm 10 (g)	838.2 \pm 10 (g)
Material & Color	Material	Industrial Plastics	
	Color	Dark Titanium Blue	Bright Moon White
Software	Editing Software	PM Designer v4.0	
	Cloud Service	IDCS (Inter-Device Connection Service)	
	PLC Connection	tManager	
	OPC Server/MQTT	YES	
	HMI Server	HMI in Hand & PanelVision	

· Outlet Dimension



· Cutout Dimension

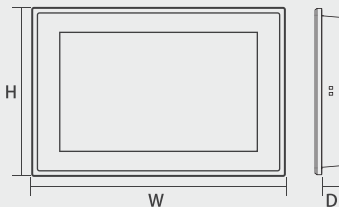


SPM2 Series_Serial

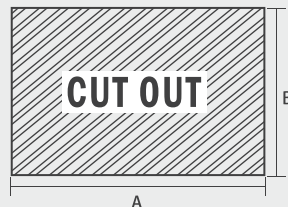


Model	SPM204-1C20S	
LCD Display	Size	4.3"
	Max. Resolution	800*480
	Type	TFT LCD with LED Backlight
	Chromatic Number	16.7 M
	Backlight (hr)	About 20,000
	Luminance	400 cd/m2
	Touch Panel	4-wire Resistive Type
	Viewing Angle	U: $\angle 80^\circ$ / D: $\angle 80^\circ$ / L: $\angle 80^\circ$ / R: $\angle 80^\circ$
CPU & Memory	CPU	RISC ARM9 32Bit
	Battery Backup SRAM	128KB (Flash Memory)
	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
Communication Interface	Max. Macro Commands	Unlimited
	USB Host	YES (USB2.0)
	USB Client	YES (USB2.0)
	COM1	RS232 (DB9)
	COM2	RS422/485 (DB9)
Power	COM3	N/A (*Optional: RS232 or RS485 or CANBus)
	Supply Voltage	24VDC \pm 10% (Non-isolated)
	External Battery Port	YES (Battery type: CR2032H 3V 240mA)
	Consumption	10W (24VDC, about 0.44A)
Environment	Operating Temperature	0 $^\circ$ C~50 $^\circ$ 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 $\geq 2\sim 3$ mm)
Mechanism Spec.	Cooling	Natural Cooling
	Outlet Dimension WxHxD	138 x 86 x 35.05 (mm)
	Cutout Dimension AxB	132.5 x 80.5 (mm)
Material & Color	Net Weight	230 \pm 10 (g)
	Material	Industrial Plastics
Software	Color	Dark Titanium Blue
	Editing Software	PM Designer v4.0

· Outlet Dimension



· Cutout Dimension

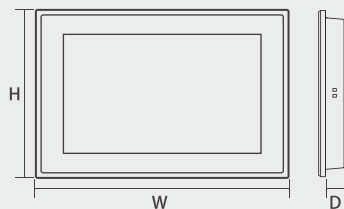


SPM2 Series_Serial

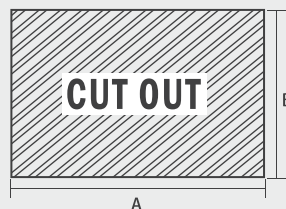


Model	SPM207-1C20S	SPM210-1C20S	
LCD Display	Size	7"	10.1"
	Max. Resolution	1024*600	
	Type	TFT LCD with LED Backlight	
	Chromatic Number	16.7 M	
	Backlight (hr)	About 20,000	
	Luminance	220 cd/m2	200 cd/m2
	Touch Panel	4-wire Resistive Type	
Viewing Angle	U: $\angle 60^\circ$ / D: $\angle 70^\circ$ / L: $\angle 70^\circ$ / R: $\angle 70^\circ$		
CPU & Memory	CPU	RISC ARM9 32Bit	
	Battery Backup SRAM	128KB (Flash Memory)	
	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 \pm 10% (Non-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 $\geq 2\sim 3$ mm)	
Cooling	Natural Cooling		
Mechanism Spec.	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)
	Net Weight	409 \pm 10 (g)	838.2 \pm 10 (g)
Material & Color	Material	Industrial Plastics	
	Color	Dark Titanium Blue	
Software	Editing Software	PM Designer v4.0	

· Outlet Dimension



· Cutout Dimension



SIT400-22 Series



Model name		SIT407-22ST(F)	SIT407-22ST(L)	SIT410-22ST	SIT412-22ST	SIT415-22ST
Display (LCD)	Size	7.0"	7.0"	10.1"	12.1"	15.0"
	Max. resolution	800*480	800*480	1024*600	1024*768	1024*768
	Type	TFT LCD with LED backlight				
	Max. color	16-bit				
	Backlight life (hr)	20,000			50,000	
	Luminance (cd/m2)	400	400	350	500	350
Touch panel		4-wire analog touch panel			5-wire analog touch panel	
CPU		RISC ARM9 32Bit				
Battery backup SRAM		1MB				
Working memory		128MB				
Application and data file memory		64MB				
Real-Time Clock (RTC)		YES (Unchargeable battery type, 5 years battery life)				
Max. programming pages		7999 pages				
Max. marco commands		Unlimited				
Communication interface	Micro SD slot	YES				
	USB host	USB 2.0				
	USB client	USB 2.0				
	COM port (5-Pin Terminal)	Standard for type B→ Com1: RS232 & Com2: RS485(5Pin-terminal) (Optional for type A→ Com2: RS422 or RS485 / type D→ Com1: RS485 & Com2: RS485 (5Pin-terminal))				
	Ethernet	LAN1: 10/100 Base-T x1 LAN2: 10/100 Base-T x1				
Power	Input voltage	24VDC±10%				
	Consumption	20W				
Environment	Temperature	Operating temperature : -10°C~60°C / Storage temperature: -20°C~70°C				
	Relative humidity	10%~90%				
	Shock (Operation)	Half sine, 20G, 11ms duration				
	Vibration (Operation)	Random vibration 1 Grms (5 ~ 500 Hz)				
	UL	UL61010				
	CE / FCC	EN61000-6-2, EN61000-6-4 / FCC Part 15 Class A				
	Ingress protection	NEMA Type 4X / IP66				
Cooling		Natural Cooling				
Dimension WxHxD (mm)		189.6 x 144.9 x 30.6	203.8 x 148.8 x 31.6	270.1 x 212.1 x 37.98	335.4 x 245.8 x 60.9	399.1 x 297.6 x 57.9
Cutout dimension AxB (mm)		175 x 132.5	191.5 x 138	259 x 201	302 x 228	384.5 x 283
Net weight (Kg)		0.5	0.55	1.1	2	3
Software version		PM Designer v4.0				



» Rear case



Silver-black
(7.0" / 10.1")



Ivory white /
front aluminum case
(12.1" / 15")

» Accessories



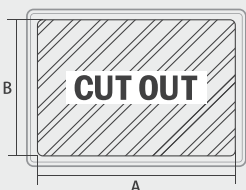
FCB-XD0-023

USB download cable for HMI

» Outlet dimension



» Cutout dimension



» Naming rule

SIT4 07 - 2 2 ST - F 4 B 4

Model name SIT4	Serial port 2 2	Operation S Standard mode	Rear case 4 ADP board type	SRAM 4 1MB
LCD size 07 7.0" 10 10.1" 12 12.1" 15 15.0"	Ethernet port 2 2(Dual IP)	Mode T Standard rear case L Wide temperature H High luminance	Material & Case color F Platic / Silver-black L Platic / Silver-black (Wide) V Front aluminum case / Ivory white	Pin Diagram A COM2-RS422 or 485 B COM1-RS232 / COM2-RS485 D COM1-RS485 / COM2-RS485

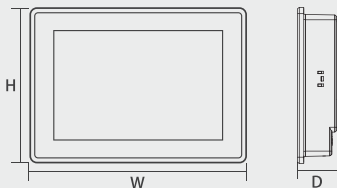
SPK2 Serial Models



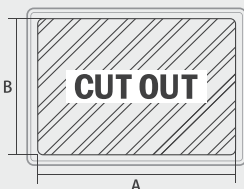
Model name		SPK2043-30ST	SPK2070-30ST	SPK2100-30ST
Display (LCD)	Size	4.3"	7.0"	10.1"
	Max. resolution	480*272	800*480	1024*600
	Type	TFT LCD with LED backlight		
	Max. color	16-bit		
	Backlight life (hr)	20,000		
	Luminance (cd/m2)	400	400	350
Touch panel		4-wire analog touch panel		
CPU		RISC ARM9 32Bit		
Battery backup SRAM		128KB (Optional:1024KB)		
Working memory		64MB		
Application memory		Approximately 40MB		
Data File memory		64MB		
Real-Time Clock (RTC)		YES (Unchargeable battery type, 3 years battery life)		
Max. programming pages		7999 pages		
Max. marco commands		Unlimited		
Communication interface	Micro SD slot	N/A		
	USB host	USB 2.0		
	USB client	USB 2.0		
	COM1	RS232 (5-Pin Terminal)	RS232 (DB9)	RS232 (DB9)
	COM2	RS422/485 (5-Pin Terminal)	RS422/485 (DB9)	RS422/485 (DB9)
	COM3	RS485 (5-Pin Terminal)	RS485 (DB9)	RS485 (DB9)
	COM4	N/A		
	COM5	N/A		
	Ethernet	N/A		
Front function keys		N/A	N/A (Optional)	N/A (Optional)
Audio out		N/A		
Video in		N/A		
Front USB host port		N/A	N/A (Optional)	N/A (Optional)
Power	Input voltage	24VDC±10%		
	Consumption	10W	20W	20W
Environment	Temperature	Operating temperature : -10°C~60°C / Storage temperature: -20°C~70°C		
	Relative humidity	10%~90%		
	Shock (Operation)	Half sine, 20G, 11ms duration		
	Vibration (Operation)	Random vibration 1 Grms (5 ~ 500 Hz)		
	FCC	FCC Part 15 Class A		
	CE	EN61000-6-2, EN61000-6-4		
	UL	N/A		
	Ingress protection	IP65		
	Cooling	Natural Cooling		
Dimension WxHxD (mm)		129 x 103 x 33	203.8 x 148.8 x 31.6	270.1 x 212.1 x 37.98
Cutout dimension AxB (mm)		118.5 x 92.5	191.5 x 138	259 x 201
Net weight (Kg)		0.23	0.55	1.1



»» Outlet dimension

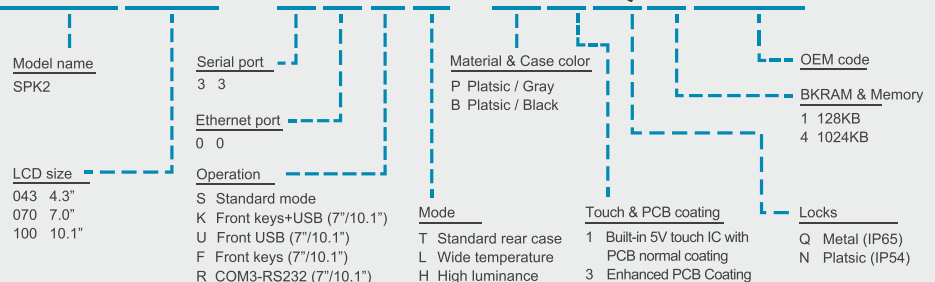


»» Cutout dimension



»» Naming rule

SPK2 070 - 30ST - P1Q1C00



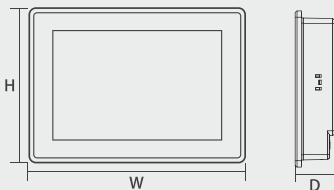
SPK2 Ethernet Models



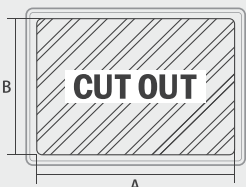
Model name		SPK2043-31ST	SPK2070-31ST	SPK2080-31ST
Display (LCD)	Size	4.3"	7.0"	8.0"
	Max. resolution	480*272	800*480	800*600
	Type	TFT LCD with LED backlight		
	Max. color	16-bit		
	Backlight life (hr)	20,000		
	Luminance (cd/m2)	400	400	250
Touch panel		4-wire analog touch panel		
CPU		RISC ARM9 32Bit		
Battery backup SRAM		128KB (Optional:1024KB)		
Working memory		64MB		
Application memory		Approximately 40MB		
Data File memory		64MB		
Real-Time Clock (RTC)		YES (Unchargeable battery type, 3 years battery life)		
Max. programming pages		7999 pages		
Max. marco commands		Unlimited		
Communication interface	Micro SD slot	N/A		
	USB host	USB 2.0		
	USB client	USB 2.0		
	COM1	RS232 (5-Pin Terminal)	RS232 (DB9)	
	COM2	RS422/485 (5-Pin Terminal)	RS422/485 (DB9)	
	COM3	RS485 (5-Pin Terminal)	RS485 (DB9)	
	COM4	N/A		
	COM5	N/A		
	Ethernet	YES		
Front function keys		N/A	N/A (Optional)	N/A
Audio out		N/A		
Video in		N/A		
Front USB host port		N/A	N/A (Optional)	N/A
Power	Input voltage	24VDC±10%		
	Consumption	10W	20W	
Environment	Temperature	Operating temperature : -10°C~60°C / Storage temperature: -20°C~70°C		
	Relative humidity	10%~90%		
	Shock (Operation)	Half sine, 20G, 11ms duration		
	Vibration (Operation)	Random vibration 1 Grms (5 ~ 500 Hz)		
	FCC	FCC Part 15 Class A		
	CE	EN61000-6-2, EN61000-6-4		
	UL	N/A		
	Ingress protection	IP65		
	Cooling	Natural Cooling		
Dimension WxHxD (mm)		129 x 103 x 33	203.8 x 148.8 x 31.6	231.6 x 176.3 x 37.9
Cutout dimension AxB (mm)		118.5 x 92.5	191.5 x 138	221 x 163.5
Net weight (Kg)		0.23	0.55	1



»» Outlet dimension



»» Cutout dimension



»» Naming rule

SPK2 070 - 3 1 S T - P 1 Q 1 C00

Model name SPK2	Serial port 3 3 5 5 (Optional)	Material & Case color P Plastics / Gray B Plastics / Black V Front aluminum case / Ivory white U Front aluminum case / Silver-black	OEM code BKRAM & Memory 1 128KB 4 1024KB
LCD size 043 4.3" 070 7.0" 080 8.0" 100 10.1" 104 10.4" 120 12.1"(800x600) 121 12.1"(1024x768) 150 15.0"	Ethernet port 1 1	Mode T Standard rear case L Wide temperature H High luminance	Locks Q Metal (IP65) N Plastics (IP54)
Operation S Standard mode K Front keys+USB (7"/10.1") U Front USB (7"/10.1") F Front keys (7"/10.1") R COM5-RS232 (for 7" models and above)	Touch & PCB coating 1 Built-in 5V touch IC with PCB normal coating 2 Built-in 12V touch IC with PCB coating 3 Enhanced PCB Coating C COM5 TTL(For RM Module)		



Model name		SPK2100-31ST	SPK2104-31ST	SPK2121-31ST	SPK2150-31ST
Display (LCD)	Size	10.1"	10.4"	12.1"	15.0"
	Max. resolution	1024*600	800*600	1024*768	1024*768
	Type	TFT LCD with LED backlight			
	Max. color	16-bit			
	Backlight life (hr)	20,000		50,000	
	Luminance (cd/m2)	350	400	500	350
Touch panel		4-wire analog touch panel			
CPU		RISC ARM9 32Bit			
Battery backup SRAM		128KB (Optional:1024KB)			
Working memory		64MB			
Application memory		Approximately 40MB			
Data File memory		64MB			
Real-Time Clock (RTC)		YES (Unchargeable battery type, 3 years battery life)			
Max. programming pages		7999 pages			
Max. marco commands		Unlimited			
Communication interface	Micro SD slot	N/A			
	USB host	USB 2.0			
	USB client	USB 2.0			
	COM1	RS232 (DB9)			
	COM2	RS422/485 (DB9)			
	COM3	RS485 (DB9)			
	COM4	N/A			
	COM5	N/A			
Ethernet		YES			
Front function keys		N/A (Optional)	N/A	N/A	N/A
Audio out		N/A			
Video in		N/A			
Front USB host port		N/A (Optional)	N/A	N/A	N/A
Power	Input voltage	24VDC±10%			
	Consumption	20W			
Environment	Temperature	Operating temperature : -10°C~60°C / Storage temperature: -20°C~70°C			
	Relative humidity	10%~90%			
	Shock (Operation)	Half sine, 20G, 11ms duration			
	Vibration (Operation)	Random vibration 1 Grms (5 ~ 500 Hz)			
	FCC	FCC Part 15 Class A			
	CE	EN61000-6-2, EN61000-6-4			
	UL	N/A			
	Ingress protection	IP65			
Cooling		Natural Cooling			
Dimension WxHxD (mm)		270.1 x 212.1 x 37.98	270.1 x 212.1 x 37.98	335.4 x 245.8 x 60.9	399.1 x 297.6 x 57.9
Cutout dimension AxB (mm)		259 x 201	259 x 201	302 x 228	384.5 x 283
Net weight (Kg)		1.1	1.1	2	3



>> Accessories



HMB-CER-018
Converter
(For 7" models and above)
(RS232 / RS422 / RS485)



FCB-XD0-A001
5Pin Terminal to DB9 Female Cable
(For 4.3" models)



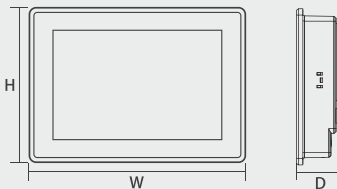
FCB-XD0-023
USB download cable for HMI

SPT2 Series

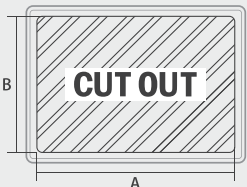


Model name		SPT2043-41ST	SPT2070-51ST	SPT2080-51ST
Display (LCD)	Size	4.3"	7.0"	8.0"
	Max. resolution	480*272	800*480	800*600
	Type	TFT LCD with LED backlight		
	Max. color	16-bit		
	Backlight life (hr)	20,000		
	Luminance (cd/m2)	400	400	250
Touch panel		4-wire analog touch panel		
CPU		RISC ARM9 32Bit		
Battery backup SRAM		128KB (Optional:1024KB)		
Working memory		64MB		
Application memory		Approximately 40MB		
Data file memory		64MB		
Real-Time Clock (RTC)		YES (Unchargeable battery type, 5 years battery life)		
Max. programming pages		7999 pages		
Max. marco commands		Unlimited		
Communication interface	Micro SD slot	N/A		
	USB host	USB 2.0		
	USB client	USB 2.0		
	COM1	RS232 (5-Pin Terminal)	RS232 (DB9)	
	COM2	RS485 (5-Pin Terminal)	RS422/485 (DB9)	
	COM3	RS485 (5-Pin Terminal)	RS485 (DB9)	
	COM4	RS485 (5-Pin Terminal)	RS485 (5-Pin Terminal)	
	COM5	N/A	RS485 (5-Pin Terminal)	
Ethernet		YES		
Front function keys		N/A	N/A (Optional)	N/A
Audio out		N/A		
Video in		N/A		
Front USB host port		N/A	N/A (Optional)	N/A
Power	Input voltage	24VDC±10%		
	Consumption	10W	20W	
Environment	Temperature#1	Operating temperature : -10°C~60°C / Storage temperature: -20°C~70°C		
	Relative humidity	10%~90%		
	Shock (Operation)	Half sine, 20G, 11ms duration		
	Vibration (Operation)	Random vibration 1 Grms (5 ~ 500 Hz)		
	FCC	FCC Part 15 Class A		
	CE	EN61000-6-2, EN61000-6-4		
	UL	UL61010		
	Ingress protection	NEMA Type 4X / IP66		
Cooling		Natural Cooling		
Dimension WxHxD (mm)		129 x 103 x 33	203.8 x 148.8 x 37.1	231.6 x 176.3 x 43.4
Cutout dimension AxB (mm)		118.5 x 92.5	191.5 x 138	221 x 163.5
Net weight (Kg)		0.23	0.55	1

»» Outlet dimension



»» Cutout dimension



»» Naming rule

SPT2 070 - 5 1 S T - L 1 Q 1 C00

Model name
SPK2

Serial port
4 4 (For 4.3")
5 5

Ethernet port
1 1

Operation
S Standard mode
K Front keys+USB (7"/10.1")
U Front USB (7"/10.1")
F Front keys (7"/10.1")
R COM5-RS232
(for 7" models and above)

Material & Case color
F Plastic / Silver-black
L Plastic / Silver-black (Wide)
V Front aluminum case / Ivory white
U Front aluminum case / Silver-black

Mode
T Standard rear case
L Wide temperature
H High luminance

OEM code

BKRAM & Memory
1 128KB
4 1024KB

Locks
Q Metal (IP66)
N Plastic (IP54)





Model name		SPT2100-51ST	SPT2104-51ST	SPT2121-51ST	SPT2150-51ST
Display (LCD)	Size	10.1"	10.4"	12.1"	15.0"
	Max. resolution	1024*600	800*600	1024*768	1024*768
	Type	TFT LCD with LED backlight			
	Max. color	16-bit			
	Backlight life (hr)	20,000		50,000	
	Luminance (cd/m2)	350	400	500	350
Touch panel		4-wire analog touch panel			
CPU		RISC ARM9 32Bit			
Battery backup SRAM		128KB (Optional:1024KB)			
Working memory		64MB			
Application memory		Approximately 40MB			
Data file memory		64MB			
Real-Time Clock (RTC)		YES (Unchargeable battery type, 5 years battery life)			
Max. programming pages		7999 pages			
Max. marco commands		Unlimited			
Communication interface	Micro SD slot	N/A			
	USB host	USB 2.0			
	USB client	USB 2.0			
	COM1	RS232 (DB9)			
	COM2	RS422/485 (DB9)			
	COM3	RS485 (DB9)			
	COM4	RS485 (5-Pin Terminal)			
	COM5	RS485 (5-Pin Terminal)			
Ethernet		YES			
Front function keys		N/A (Optional)	N/A	N/A	N/A
Audio out		N/A			
Video in		N/A			
Front USB host port		N/A (Optional)	N/A	N/A	N/A
Power	Input voltage	24VDC±10%			
	Consumption	20W			
Environment	Temperature ^{#1}	Operating temperature : -10°C~60°C / Storage temperature: -20°C~70°C			
	Relative humidity	10%~90%			
	Shock (Operation)	Half sine, 20G, 11ms duration			
	Vibration (Operation)	Random vibration 1 Grms (5 ~ 500 Hz)			
	FCC	FCC Part 15 Class A			
	CE	EN61000-6-2, EN61000-6-4			
	UL	UL61010			
	Ingress protection	NEMA Type 4X / IP66			
Cooling		Natural Cooling			
Dimension WxHxD (mm)		270.1 x 212.1 x 43.48	270.1 x 212.1 x 43.48	335.4 x 245.8 x 66.4	399.1 x 297.6 x 63.4
Cutout dimension AxB (mm)		259 x 201	259 x 201	302 x 228	384.5 x 283
Net weight (Kg)		1.1	1.1	2	3

*Remark 1: Optional for front aluminum case + BR2450A battery: -20°C~70°C (PT2043 only for BR2450A battery)



» Accessories



HMB-CER-018

Converter
(For 7" models and above)
(RS232 / RS422 / RS485)



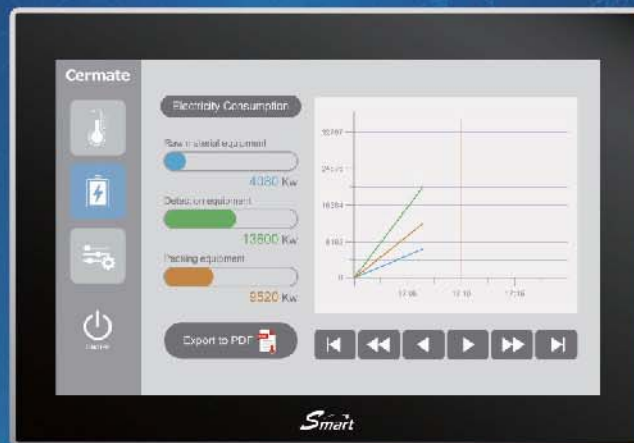
FCB-XD0-A001

5Pin Terminal to DB9 Female Cable
(For 4.3" models)



FCB-XD0-023

USB download cable for HMI



 www.plchardware.com.au

 T: +02-8060-8750

 F: +02-8015-5100

 sales@plchardware.com.au

 5/2 Eden Park Drive Macquarie Park NSW AUSTRALIA 2113