

PK2 Ethernet

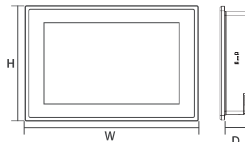


Model Name	PK2043-31ST	PK2070-31ST	PK2080-31ST	PK2100-31ST	
LCD Display	Size	4.3" diagonal	7" diagonal	8" diagonal	10.1" diagonal
	Max. Resolution	480*272	800*480	800*600	1024*600
	Type	TFT LCD with LED Backlight			
	Max. Colors	16-bit			
	Backlight Life (hr)	20,000			
Luminance (cd/m2)	400	400	250	350	
Touch Panel	4-wire Analog Touch Panel				
CPU	RISC ARM9 32Bit				
Battery Backup SRAM	128KB (Optional: 1024KB)				
Working Memory	64MB				
Application Memory	About 40MB				
Data File Memory	64MB				
Real-Time Clock (RTC)	YES (Unchargeable Battery type, 3 years battery life)				
Max. Programming Pages	7999 Pages				
Max. Macro Commands	Unlimited				
Communication Interface	Micro SD Slot	N/A			
	USB Host	YES (USB2.0)			
	USB Client	YES (USB2.0)			
	Serial (Com1)	RS232 (5-Pin Terminal)			RS232 (DB9)
	Serial (Com2)	RS422/485 (5-Pin Terminal)			RS422/485 (DB9)
	Serial (Com3)	RS485 (5-Pin Terminal)			RS485 (DB9)
	Serial (Com4)	N/A	Optional: RS485 (5-Pin Terminal)		
	Serial (Com5)	N/A	Optional: RS485 (5-Pin Terminal) or RS232 (5-Pin Terminal)		
Ethernet	YES				
Front Function Keys	N/A	F1-F6 (Optional)	N/A	F1-F7 (Optional)	
Audio out (optional)	N/A				
Video in (optional)	N/A				
Front USB Host Port	N/A	N/A (Optional)	N/A	N/A (Optional)	
Power	Supply Voltage	24VDC±10% (Isolated)			
	Consumption	10W	20W		
	Operating Temperature	-10°C~60°C	-10°C~60°C (Optional for Front Aluminum Case+BR2450A/HAN battery: -20°C~70°C)		
Environment	Relative Humidity	10%~90%			
	Shock (operation)	Half sine, 20G, 11ms duration			
	Vibration (operation)	Random vibration 1 Grms (5 ~ 500 Hz)			
	FCC	YES			
	CE	EN61000-6-2, EN61000-6-4			
	UL Certification	N/A			
	Ingress Protection	IP65			
	Cooling	Natural Cooling			
Dimension WxHxD (mm)*	129 x 103 x 33	203.5 x 148.5 x 37	233 x 176 x 42.2	270.8 x 212.8 x 42.5	
Cutout Dimension WxH (mm)	118.5 x 92.5	191.5 x 138	221 x 163.5	259 x 201	
Net Weight (Kg)	0.23	0.55	1	1.1	

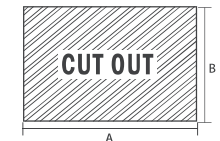


Model Name	PK2104-31ST	PK2120-31ST	PK2121-31ST	PK2150-31ST	
LCD Display	Size	10.4" diagonal	12.1" diagonal	12.1" diagonal	15.0" diagonal
	Max. Resolution	800*600	800*600	1024*768	1024*768
	Type	TFT LCD with LED Backlight			
	Max. Colors	16-bit			
	Backlight Life (hr)	20,000	50,000		50,000
Luminance (cd/m2)	400	500	500	350	
Touch Panel	4-wire Analog Touch Panel				
CPU	RISC ARM9 32Bit				
Battery Backup SRAM	128KB (Optional: 1024KB)				
Working Memory	64MB				
Application Memory	About 40MB				
Data File Memory	64MB				
Real-Time Clock (RTC)	YES (Unchargeable Battery type, 3 years battery life)				
Max. Programming Pages	7999 Pages				
Max. Macro Commands	Unlimited				
Communication Interface	Micro SD Slot	N/A			
	USB Host	YES (USB2.0)			
	USB Client	YES (USB2.0)			
	Serial (Com1)	RS232 (DB9)			
	Serial (Com2)	RS422/485 (DB9)			
	Serial (Com3)	RS485 (DB9)			
	Serial (Com4)	Optional: RS485 (5-Pin Terminal)			
	Serial (Com5)	Optional: RS485 (5-Pin Terminal) / RS232 (5-Pin Terminal)			
Ethernet	YES				
Front Function Keys	N/A				
Audio out (optional)	N/A				
Video in (optional)	N/A				
Front USB Host Port	N/A				
Power	Supply Voltage	24VDC ±10% (Isolated)			
	Consumption	20W			
	Operating Temperature	-10°C~60°C (Optional for Front Aluminum Case+BR2450A/HAN battery: -20°C~70°C)			
Environment	Relative Humidity	10%~90%			
	Shock (operation)	Half sine, 20G, 11ms duration			
	Vibration (operation)	Random vibration 1 Grms (5 ~ 500 Hz)			
	FCC	YES			
	CE	EN61000-6-2, EN61000-6-4			
	UL Certification	N/A			
	Ingress Protection	IP65			
	Cooling	Natural Cooling			
Dimension WxHxD (mm)*	270.8 x 212.8 x 42.5	335.4 x 245.9 x 58.2	335.4 x 245.9 x 58.2	399.1 x 297.6 x 57.5	
Cutout Dimension WxH (mm)	259 x 201	302 x 228	302 x 228	384.5 x 283	
Net Weight (Kg)	1.1	2	2	3	

Outlet Dimension

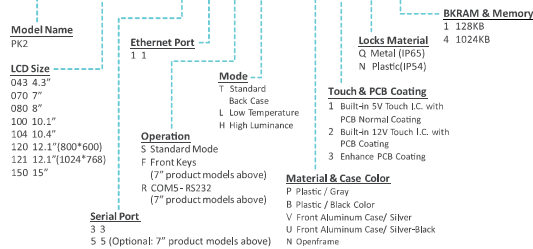


Cut Out Dimension

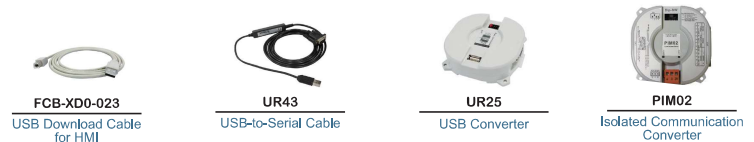


Naming Rule

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Communication Accessories



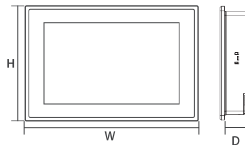
iMaster / HMI OEM of CERMATE

PK2 Serial



Model Name	PK2043-30ST	PK2070-30ST	PK2100-30ST	
LCD Display	Size	4.3" diagonal	7" diagonal	10.1" diagonal
	Max. Resolution	480*272	800*480	1024*600
	Type	TFT LCD with LED Backlight		
	Max. Colors	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	About 40MB			
Data File Memory	64MB			
Real-Time Clock (RTC)	YES (Unchargeable Battery type, 3 years battery life)			
Max. Programming Pages	7999 Pages			
Max. Macro Commands	Unlimited			
Communication Interface	Micro SD Slot	N/A		
	USB Host	YES (USB2.0)		
	USB Client	YES (USB2.0)		
	Serial (Com1)	RS232 (5-Pin Terminal)	RS232 (DB9)	
	Serial (Com2)	RS422/485 (5-Pin Terminal)	RS422/485 (DB9)	
	Serial (Com3)	RS485 (5-Pin Terminal)	RS485 (DB9) / Optional: RS232	
	Serial (Com4)	N/A		
	Serial (Com5)	N/A		
Ethernet	N/A			
Front Function Keys	N/A	F1-F6 (Optional)	F1-F7 (Optional)	
Audio out (optional)	N/A			
Video in (optional)	N/A			
Front USB Host Port	N/A	N/A (Optional)		
Power	Supply Voltage	24VDC±10% (Isolated)		
	Consumption	10W	20W	20W
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)		
	FCC	YES		
	CE	EN61000-6-2, EN61000-6-4		
	UL Certification	N/A		
	Ingress Protection	IP65		
Cooling	Natural Cooling			
Dimension WxHxD (mm)*	129 x 103 x 33	203.5 x 148.5x 31.5	270.8x212.8x 37	
Cutout Dimension WxH (mm)	118.5 x 92.5	191.5 x 138	259 x 201	
Net Weight (Kg)	0.23	0.55	1.1	

Outlet Dimension

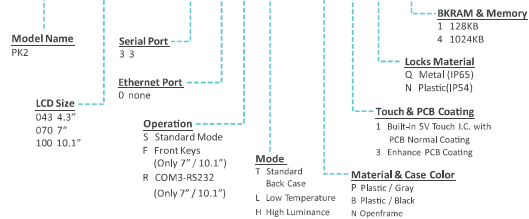


Cut Out Dimension



Naming Rule

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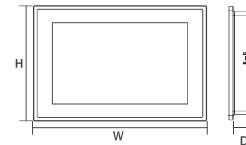


PA2 Series

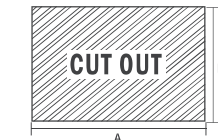


Model Name	PA2043-20ST	PA2070-30ST	PA2100-30ST	
LCD Display	Size	4.3" diagonal	7" diagonal	10.1" diagonal
	Max. Resolution	480*272	800*480	1024*600
	Type	TFT LCD with LED Backlight		
	Max. Colors	16-bit		
	Backlight Life (hr)	20,000		
Luminance (cd/m2)	350	350	250	
Touch Panel	4-wire Analog Touch Panel			
CPU	RISC ARM9 32Bit			
Battery Backup SRAM	128KB (Optional: 1024KB)			
Working Memory	64MB			
Application Memory	20MB			
Data File Memory	64MB			
Real-Time Clock (RTC)	YES (Unchargeable Battery type, 3 years battery life)			
Max. Programming Pages	30 Pages			
Max. Macro Commands	100 Lines			
Communication Interface	Micro SD Slot	N/A		
	USB Host	YES (USB2.0)		
	USB Client	YES (USB2.0)		
	Serial (Com1)	RS232 (5-Pin Terminal)	RS232 (DB9)	
	Serial (Com2)	Optional: RS422/485 (5-Pin Terminal)	RS422/485 (DB9)	
	Serial (Com3)	RS485 (5-Pin Terminal)	RS485 (DB9)	
	Serial (Com4)	N/A		
	Serial (Com5)	N/A		
Ethernet	N/A			
Front Function Keys	N/A	F1-F6 (Optional)	F1-F7 (Optional)	
Audio out (optional)	N/A			
Video in (optional)	N/A			
Front USB Host Port	N/A	N/A (Optional)		
Power	Supply Voltage	24VDC±10% (Isolated)		
	Consumption	10W	20W	20W
Environment	Operating Temperature	-10°C~50°C		
	Relative Humidity	10%~90%		
	Shock (operation)	Half sine, 20G, 11ms duration		
	Vibration (operation)	Random vibration 1 Grms (5 ~ 500 Hz)		
	FCC	YES		
	CE	EN61000-6-2, EN61000-6-4		
	UL Certification	N/A		
	Ingress Protection	IP54		
Cooling	Natural Cooling			
Dimension WxHxD (mm)*	129 x 103 x 33	203.5 x 148.5x 31.5	270.8x212.8x 37	
Cutout Dimension WxH (mm)	118.5 x 92.5	191.5 x 138	259 x 201	
Net Weight (Kg)	0.23	0.55	1.1	

Outlet Dimension



Cut Out Dimension



Naming Rule

PA2 070 - 3 0 S T - J 1 Q 1 C 0 0

