

## IoT Gateway Human Machine Interface

- IDCS
- Remote Solution
- IoT Gateway
- HMI
- PM Designer 4.0
- PanelExpress

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The HMI Solutions and IoT Gateways Provider.

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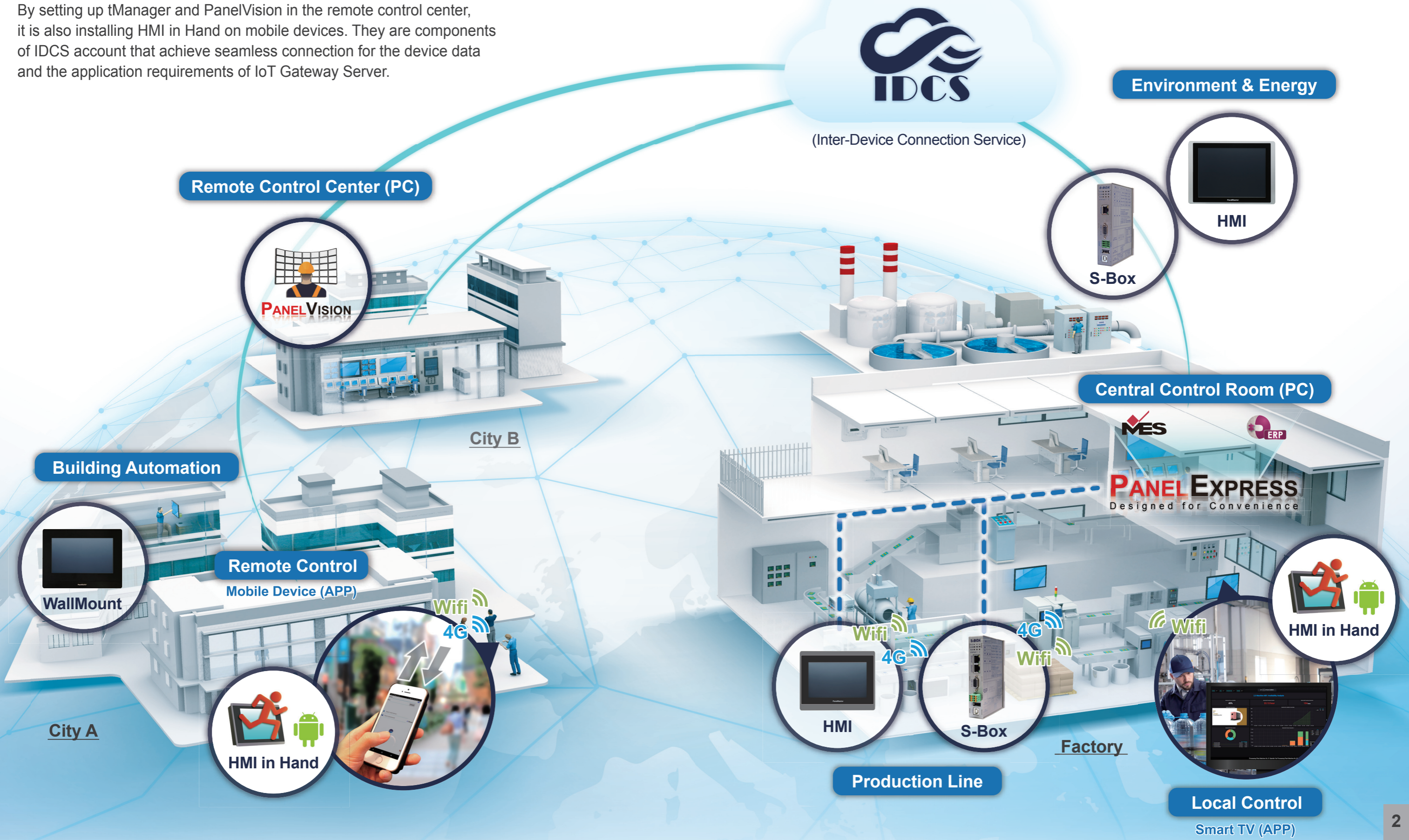
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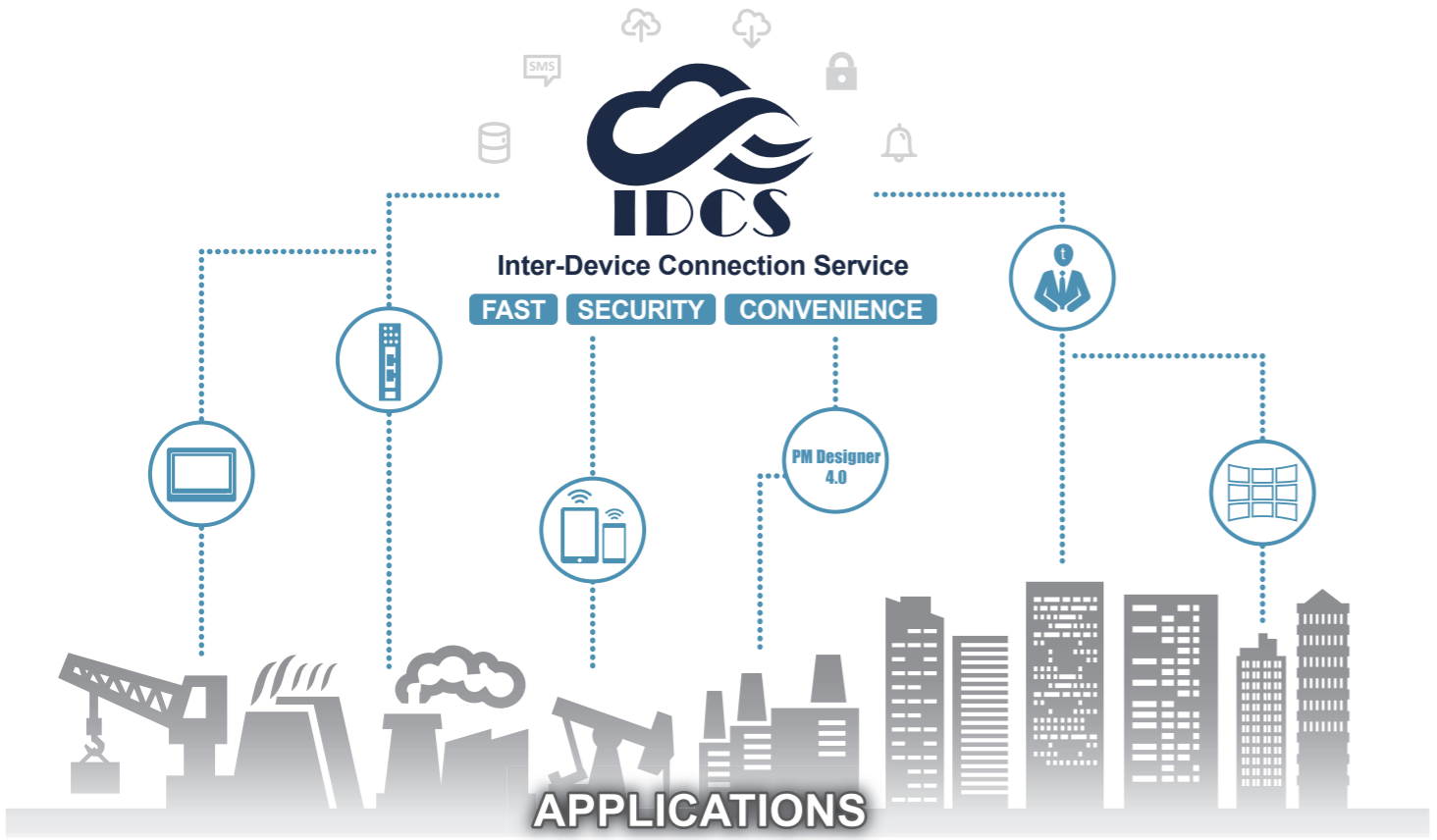
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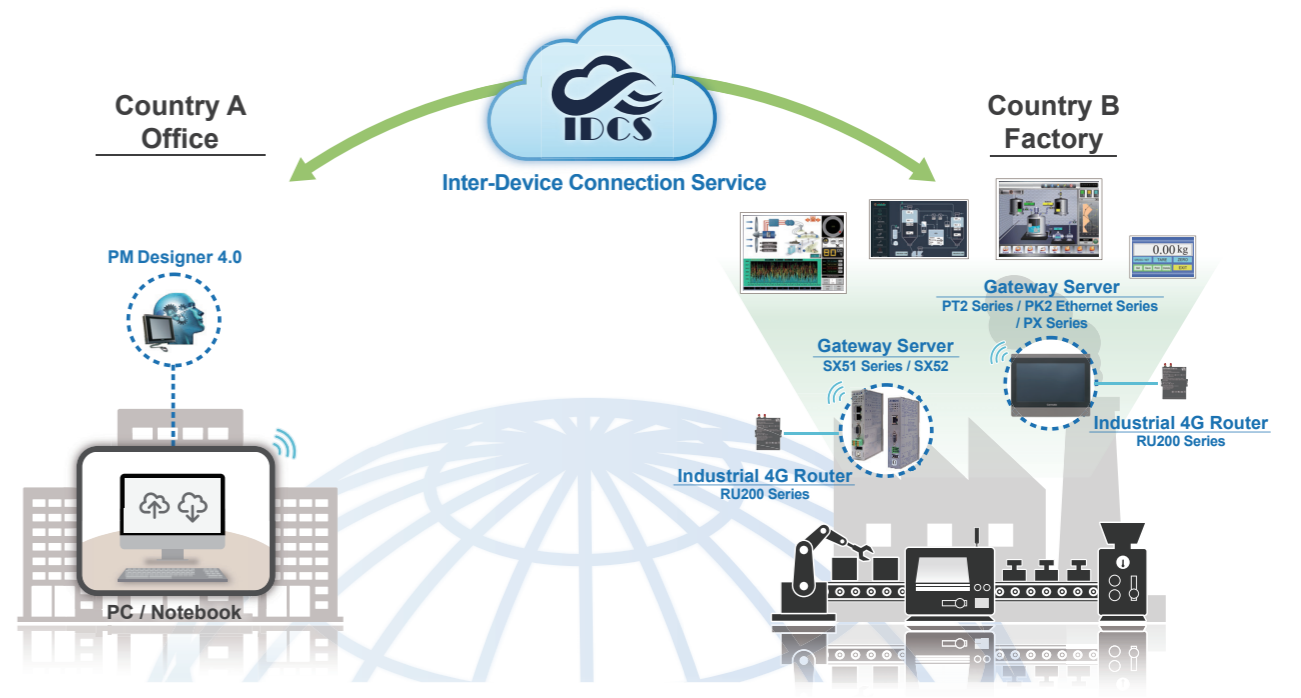
### IDCS (Inter-Device Connection Service)

By setting up tManager and PanelVision in the remote control center, it is also installing HMI in Hand on mobile devices. They are components of IDCS account that achieve seamless connection for the device data and the application requirements of IoT Gateway Server.

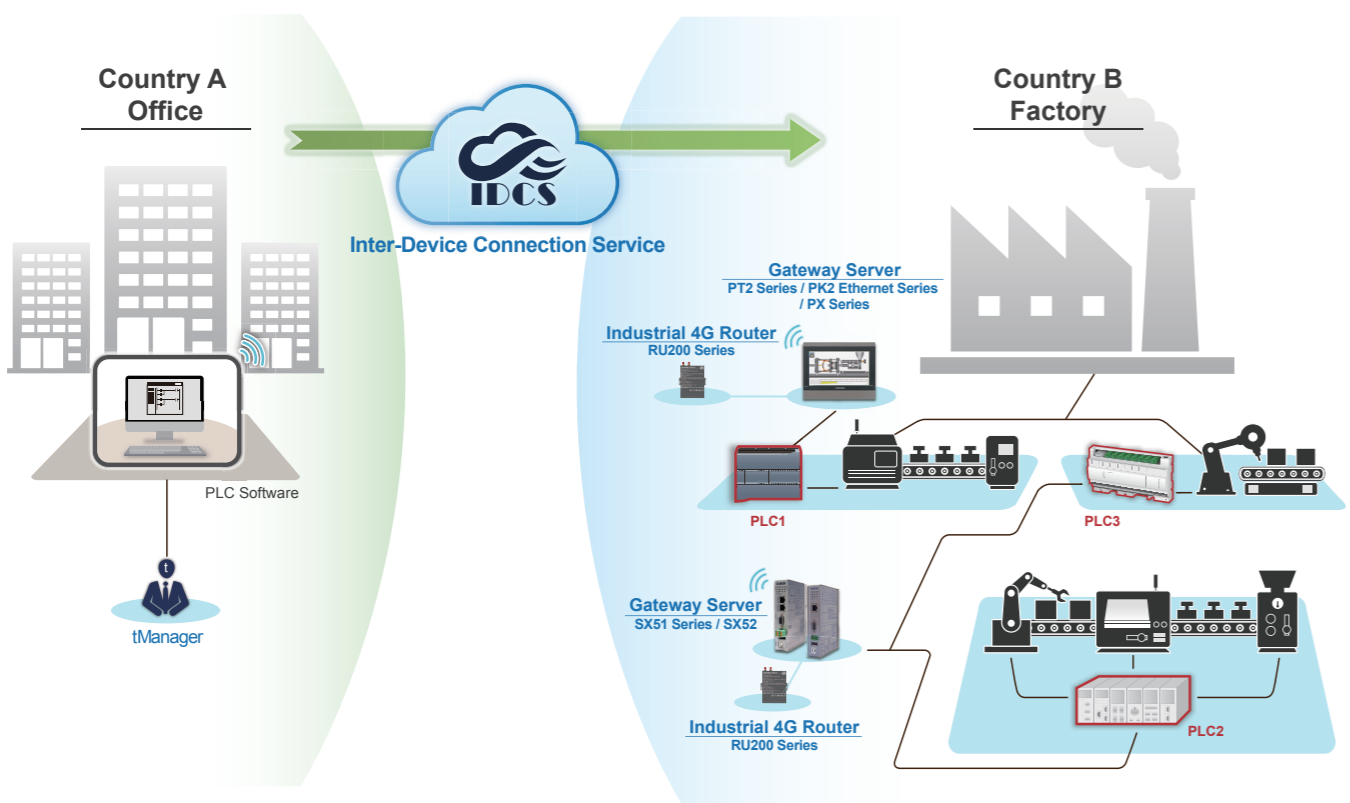




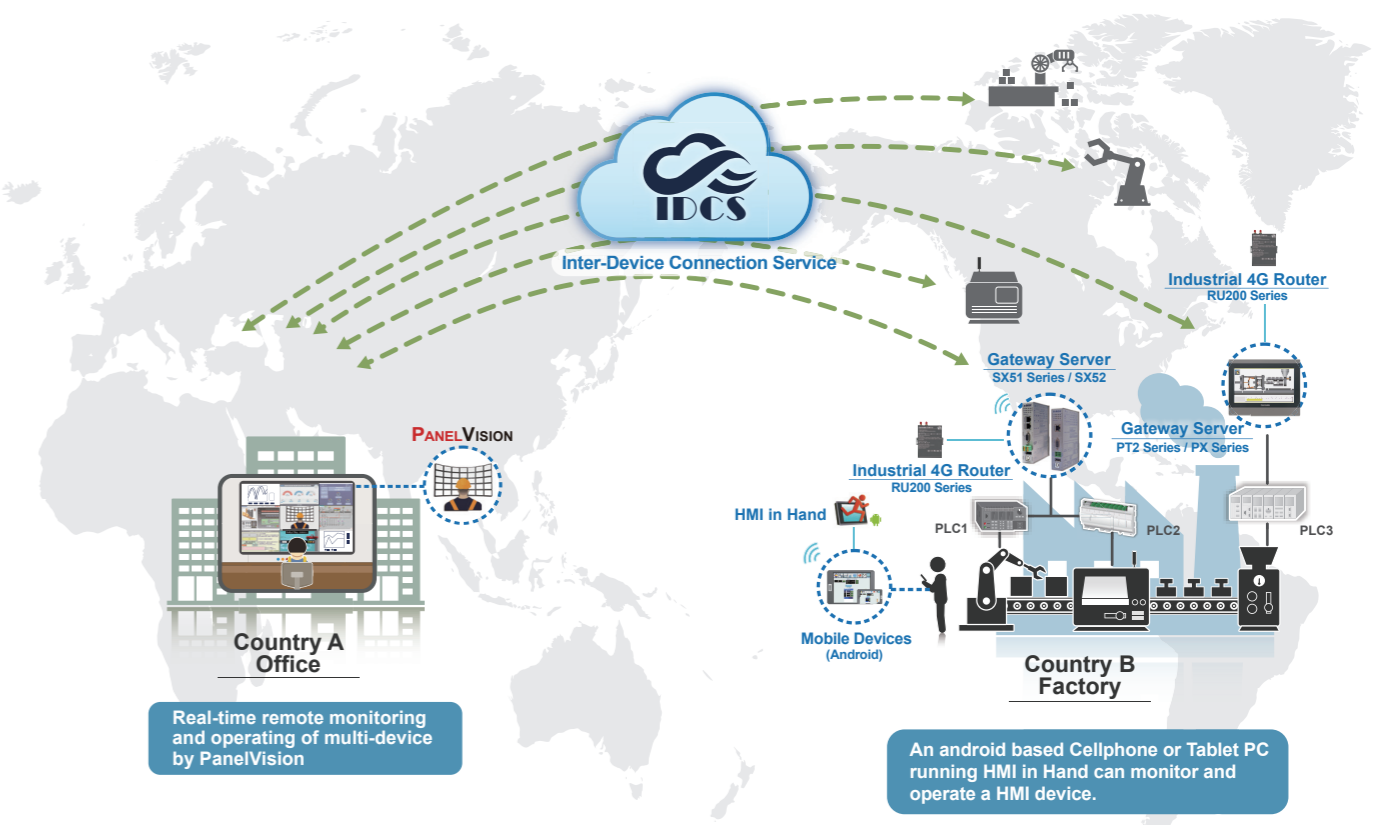
▶ Remote update and upload/download program



▶ Remote PLC program management through transparent function

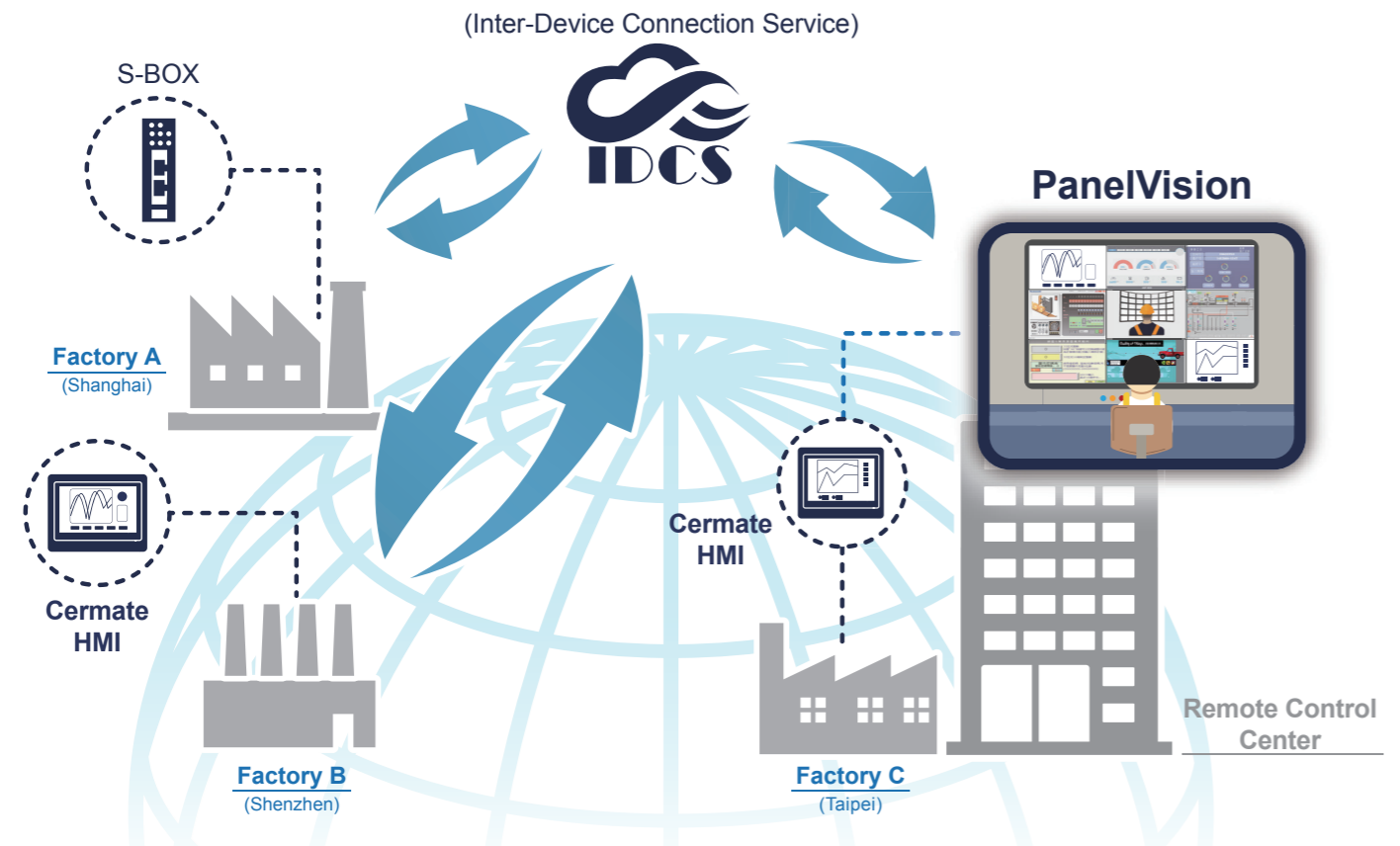


▶ Monitoring and operating devices



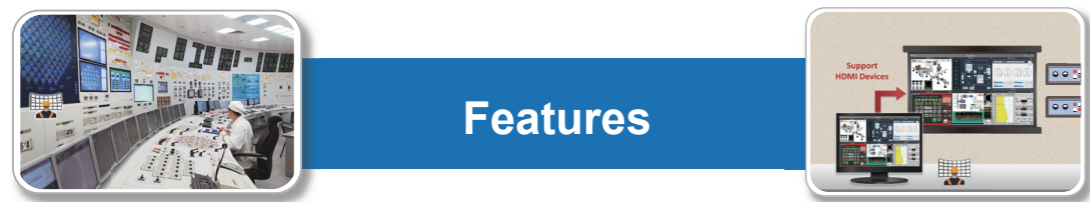
# PANELVISION

### Remote Devices Controlling & Monitoring Data Management Software



- Real-time multi-screen Collect data
- Display different screens from the same HMI on multiple windows
- Easy-to-Use Support local devices and multiple IDCS accounts connection at the same time
- Displays screens individually, zoom in and out and full screen

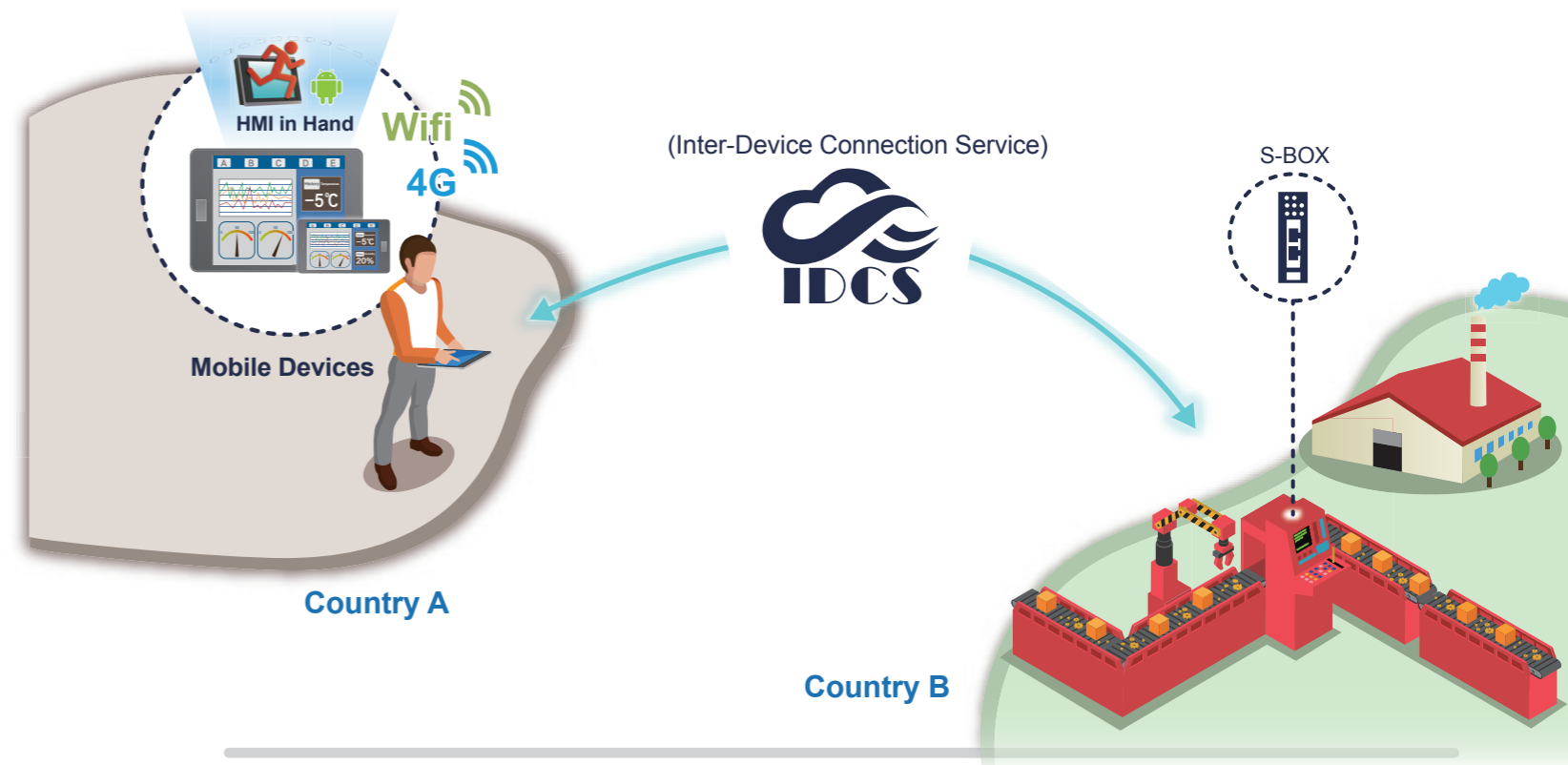
- Security & Efficient data collection
- Database Visualization & Intuitive analysis
- Monitor and set Data for each device



## Features

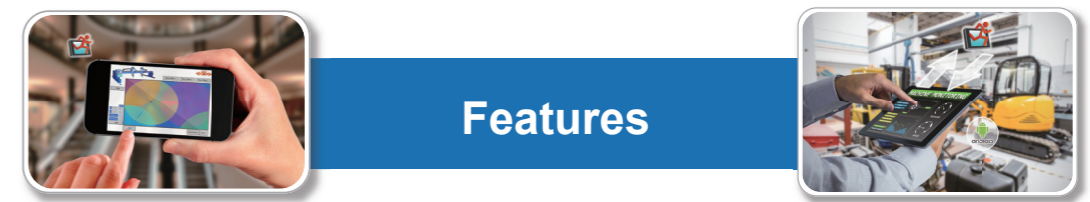
# HMI in Hand

### Mobile Devices Controlling & Monitoring Android Application



- Security & Efficient data collection
- Easy-to-Use Support local devices and multiple IDCS account connection at the same time
- Suitable for Android system mobile device

- Database Visualization & Intuitive analysis
- Collecting data instantly
- Monitor and set Data from a device



## Features



# HMI Runtime Software - PANEL EXPRESS 4.0

PanelExpress is a Windows based HMI runtime. It enables you to utilize the resources of a PC, giving you computation power, multimedia, and bigger screens, to realize a high-end sophisticated HMI. Now the released version for Windows OS can be used on PC. Thanks to the cross platform flexibility offered by PanelExpress, switching hardware for performance becomes an easy job.



### General Features

- Cost effective Windows based HMI runtime
- Built-in IDCS Server
- Built-in MQTT Client
- Provides a complete set of useful macro commands. Macro programs can be embedded in object, screens, and the global process
- Over 2000 screen objects can fulfill all types of HMI operating and viewing needs for machine automaton
- Supports VB Script and Microsoft JavaScript

### Optional / Advanced Features

- Supports My SQL ; SQL ; Access and Oracle
- Provides Excel/PDF report generator
- Database Visualization
- 3<sup>rd</sup> party containers function Supports Internet Explorer / Chromium and Firefox Browser / Media Player / AutoCAD DWG Viewer
- Multi window display
- OPC Client HMI Client



# HMI Development Software - PM Designer 4.0

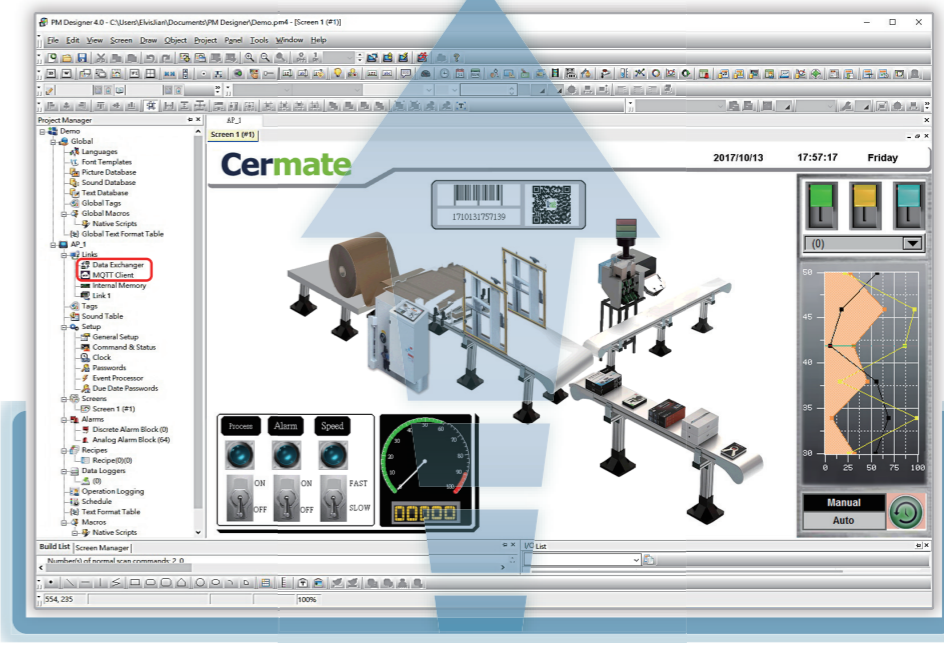


PM Designer is proven in many application fields and is an easy to use integrated development tool featuring solution-oriented screen objects, high-end vector graphics, Windows fonts for multi-language applications, recipes, alarms, data loggers and operation logging. PM Designer also includes online/offline simulation and other utility programs such as recipe editors and text editors. The newest PM Designer 4.0 is designed for IIoT, also supports remote data collection and transmission, like our IDCS(Inter-Device Connection Service) and MQTT protocol. PanelMaster runtime, a part of PM Designer, guarantees reliability and performance because of the minimum system overhead, high communication data rates, sub-second screen switching, and 24/7 operation.



### Remote control and monitoring

- Application Download / Upload
- Transparent Tunnels
- HMI in Hand



**E-Mail**  
Sending alarm & Notifications

**Security**  
Password & Due date password

**Multilanguage**  
One application supports up to 30 languages

**Two-Dimensional Barcode**  
Barcode / QR Code

**HMI Server / Client**

**Mobile Phone Message**  
SMS

**Protocol Gateway Service**  
Data Exchanger

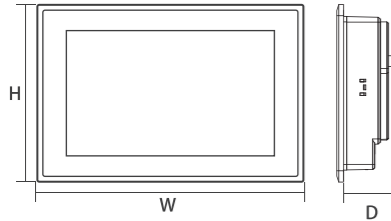
**MQTT**

PX Series

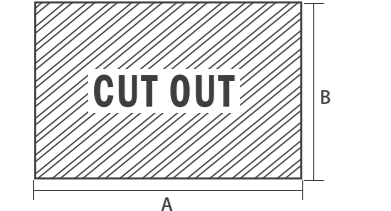


Model Name	PX070-WST	PX080-TST	PX104-TST	PX121-XSD	PX150-XSD	
Sub-models	4 / 5 / 6	4 / 5 / 6	4 / 5 / 6	4 / 5 / 6	4 / 5 / 6	
LCD Display	Size	7" diagonal	8" diagonal	10.4" diagonal	12.1" diagonal	15.0" diagonal
	Max. Resolution	800*480	800*600	800*600	1024*768	1024*768
	Type	TFT LCD with LED Backlight				
	Max. Colors	16-bit				
	Backlight Life (hr)	20,000				
	Display Contrast	500	500	400	700	700
	Luminance (cd/m2)	300	250	400	500	350
Touch Panel	4-wire Analog Touch Panel			5-wire Analog Touch Panel		
CPU	RISC ARM11 800HMz					
Battery Backup SRAM	1MB					
Working Memory	256MB					
Application Memory	1GB					
Real-Time Clock (RTC)	YES					
Max. Porgramming Pages	7999 Pages					
Max. Macro Commands	Unlimited					
Communication Interface	Micro SD Slot	YES				
	USB Host	YES (USB1.1)				
	USB Client	YES (USB2.0)				
	Serial (Com1)	RS232/422/485				
	Serial (Com2)	A-RS422/485 or B-RS232/485 or C-RS232 with RTS&CTS				
	Serial (Com3)	RS232 only (Optional: RS485 only)				
	Serial (Com4)	Sub Model 6: RS422/RS485 (Isolated)				
	Serial (Com5)	N/A				
Ethernet	YES					
Front Function Keys	N/A					
Audio out (optional)	Sub Model 5&6: YES					
Video in (optional)	Sub Model 6: YES (With an analog color camera)					
Front USB Host Port	N/A					
Power	Supply Voltage	24VDC ±10% (Isolated)				
	Consumption	20W				
Environment	Operating Temperature	-25°C~70°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	UL508				
	Ingress Protection	IP66				
Cooling	Natural Cooling					
Dimension WxHxD (mm)*	213.6 x 158.6 x 51	241.6 x 184.6 x 56.2	280.3 x 222.3 x 56.5	317.4x x 243.8 x 72.2	399.1 x 297.6 x 71.5	
Cutout Dimension WxH (mm)	191.5 x 137.5	221 x 163.5	259.5 x 201.5	302 x 228	384.5 x 283	
Net Weight (Kg)	0.61	1.1	1.41	2.2	3	

Outlet Dimension



Cut Out Dimension



Naming Rule

**PX 070 - W S T 4 B - U 5 R 4 C 00**

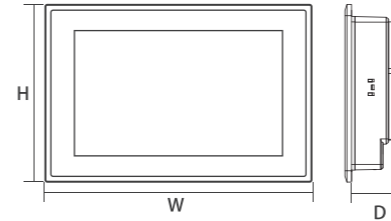
- Model Name:** PX PX-Series
- LCD Size:** 070 7", 080 8", 104 10.4", 121 12.1", 150 15"
- Resolution:** T 800x600, W 480x272/800x480, X 1024x600
- Operation:** S Standard Mode, K Front Key + USB, U Front USB, X Extension Key, F Front Key
- Case Color & Material:** F Plastic /Silver-Black, B Black Color, G Thin Bright Aluminum, U Aluminum anodized, Dark Grey
- Com2:** A RS422/485, B RS232/485, C RS232(RTS/CTS)
- Sub Model:** T 4-wires Touch, W Wall Mount, X 5-wires Touch, H Handheld (Black), J Handheld (Orange)
- Com3 Spec. & Temp.:** R Plastic: Com3 RS232 (-10°C ~ 60°C), Alum.: Com3 RS232 (-20°C ~ 60°C), Q Plastic: Com3 RS485 (-10°C ~ 60°C), Alum.: Com3 RS485 (-20°C ~ 60°C), H Alum.: Com3 RS232 (-25°C ~ 70°C), G Alum.: Com3 RS485 (-25°C ~ 70°C)
- Com3 Spec. & Temp.:** R Plastic: Com3 RS232 (-10°C ~ 60°C), Alum.: Com3 RS232 (-20°C ~ 60°C), Q Plastic: Com3 RS485 (-10°C ~ 60°C), Alum.: Com3 RS485 (-20°C ~ 60°C), H Alum.: Com3 RS232 (-25°C ~ 70°C), G Alum.: Com3 RS485 (-25°C ~ 70°C)
- BKRAM & Memory:** 4 1MB BKRAM
- Touch & PCB Coating:** 3 Enhance PCB Coating, 5 5V Codec Touch I.C., 6 12V Codec Touch I.C.

GX Series

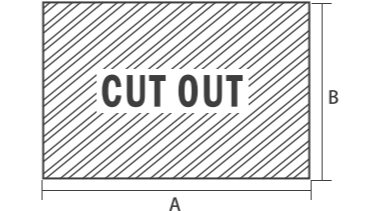


Model Name	GX607-WST	GX608-TST	GX610-TST	GX612-XSD	GX615-XSD	
Sub-models	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	
LCD Display	Size	7" diagonal	8" diagonal	10.4" diagonal	12.1" diagonal	15.0" diagonal
	Max. Resolution	800*480	800*600	800*600	1024*768	1024*768
	Type	TFT LCD with LED Backlight				
	Max. Colors	16-bit				
	Backlight Life (hr)	20,000				
	Display Contrast	500	500	400	700	700
	Luminance (cd/m2)	300	250	400	500	350
Touch Panel	4-wire Analog Touch Panel			5-wire Analog Touch Panel		
CPU	RISC ARM11 800HMz					
Battery Backup SRAM	1MB					
Working Memory	256MB					
Application Memory	1GB (64MB for Built-in WinCE V6.0 R3 OS)					
Real-Time Clock (RTC)	YES					
Max. Porgramming Pages	7999 Pages					
Max. Macro Commands	Unlimited					
Communication Interface	Micro SD Slot	YES				
	USB Host	YES (USB1.1)				
	USB Client	YES (USB2.0)				
	Serial (Com1)	RS232/422/485				
	Serial (Com2)	A-RS422/485 B-RS232/485 C-RS232 with RTS&CTS				
	Serial (Com3)	RS232 only (Optional: RS485 only)				
	Serial (Com4)	Sub Model 6: RS422/RS485 (Isolated)				
	Serial (Com5)	N/A				
Ethernet	YES					
Front Function Keys	N/A					
Audio out (optional)	Sub Model 5: YES					
Video in (optional)	N/A					
Front USB Host Port	N/A					
Power	Supply Voltage	24VDC ±10% (Isolated)				
	Consumption	20W				
Environment	Operating Temperature	-25°C~70°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	UL508				
	Ingress Protection	IP66				
Cooling	Natural Cooling					
Dimension WxHxD (mm)*	213.6 x 158.6 x 51	241.6 x 184.6 x 56.2	280.3 x 222.3 x 56.5	317.4x x 243.8 x 72.2	399.1 x 297.6 x 71.5	
Cutout Dimension WxH (mm)	191.5 x 137.5	221 x 163.5	259.5 x 201.5	302 x 228	384.5 x 283	
Net Weight (Kg)	0.61	1.1	1.41	2.2	3	

Outlet Dimension



Cut Out Dimension



Naming Rule

**GX 070 - W S T 4 B - U 5 R 4 C 00**

- Model Name:** GX GX-Series
- LCD Size:** 070 7", 080 8", 104 10.4", 121 12.1", 150 15"
- Resolution:** T 800x600, W 480x272/800x480, X 1024x600
- Operation:** S Standard Mode, K Front Key + USB, U Front USB, X Extension Key, F Front Key
- Case Color & Material:** F Plastic /Silver-Black, B Black Color, G Thin Bright Aluminum, U Aluminum anodized, Dark Grey
- Com2:** A RS422/485, B RS232/485, C RS232(RTS/CTS)
- Sub Model:** T 4-wires Touch, W Wall Mount, D 5-wires Touch, H Handheld (Black), J Handheld (Orange)
- Com3 Spec. & Temp.:** R Plastic: Com3 RS232 (-10°C ~ 60°C), Alum.: Com3 RS232 (-20°C ~ 60°C), Q Plastic: Com3 RS485 (-10°C ~ 60°C), Alum.: Com3 RS485 (-20°C ~ 60°C), H Alum.: Com3 RS232 (-25°C ~ 70°C), G Alum.: Com3 RS485 (-25°C ~ 70°C)
- BKRAM & Memory:** 4 1MB BKRAM
- Touch & PCB Coating:** 3 Enhance PCB Coating, 5 5V Codec Touch I.C., 6 12V Codec Touch I.C.

PT2 Series

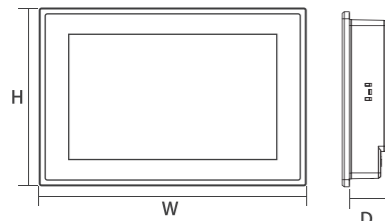


Model Name		PT2043-41ST	PT2070-51ST	PT2080-51ST
LCD Display	Size	4.3" diagonal	7" diagonal	8" diagonal
	Max. Resolution	480*272	800*480	800*600
	Type	TFT LCD with LED Backlight		
	Max. Colors	16-bit		
	Backlight Life (hr)	20,000		
	Luminance (cd/m2)	400	400	250
Touch Panel		4-wire Analog Touch Panel		
CPU		RISC ARM9 32Bit		
Battery Backup SRAM		128KB (Optional: 1024KB)		
Working Memory		64MB		
Application Memory		About 40MB		
Data File Memory		64MB		
Real-Time Clock (RTC)		YES (Unchargeable Battery type, 5 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)	RS485 (5-Pin Terminal)	RS422/485 (DB9)	
	Serial (Com3)	RS485 (5-Pin Terminal)	RS485 (DB9)	
	Serial (Com4)	RS485 (5-Pin Terminal)		
	Serial (Com5)	N/A	RS485 (5-Pin Terminal) / Optional:RS232(5-Pin Terminal)	
	Ethernet	YES		
Front Function Keys		N/A	F1~F6 (Optional)	N/A
Audio out (optional)		N/A		
Video in (optional)		N/A		
Front USB Host Port		N/A	N/A (Optional)	N/A
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	UL61010		
	Ingress Protection	NEMA Type 4X / IP66		
	Cooling	Natural Cooling		
Dimension WxHxD (mm)*		129 x 103 x 33	203.5 x 148.5 x 37	233 x 176 x 42.2
Cutout Dimension WxH (mm)		118.5 x 92.5	191.5 x 138	221 x 163.5
Net Weight (Kg)		0.23	0.55	1

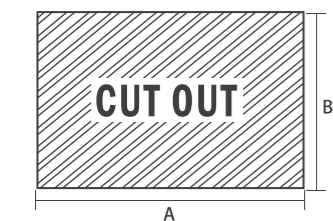


Model Name		PT2100-51ST	PT2104-51ST	PT2121-51ST	PT2150-51ST
LCD Display	Size	10.1" diagonal	10.4" diagonal	12.1" diagonal	15.0" diagonal
	Max. Resolution	1024*600	800*600	1024*768	1024*768
	Type	TFT LCD with LED Backlight			
	Max. Colors	16-bit			
	Backlight Life (hr)	20,000		50,000	
	Luminance (cd/m2)	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		About 40MB			
Data File Memory		64MB			
Real-Time Clock (RTC)		YES (Unchargeable Battery type, 5 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)	RS485 (5-Pin Terminal)			
	Serial (Com5)	RS485 (5-Pin Terminal) / Optional:RS232(5-Pin Terminal)			
	Ethernet	YES			
Front Function Keys		F1~F7 (Optional)	N/A		
Audio out (optional)		N/A			
Video in (optional)		N/A			
Front USB Host Port		N/A (Optional)	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	UL61010		UL61010 (Release in 2020.)	
	Ingress Protection	NEMA Type 4X / IP66		NEMA Type 4X (Release in 2020.) / IP66	
	Cooling	Natural Cooling			
Dimension WxHxD (mm)*		270.8 x 212.8 x 42.5	270.8 x 212.8 x 42.5	335.4 x 245.9 x 58.2	399.1 x 297.6 x 57.5
Cutout Dimension WxH (mm)		259 x 201	259 x 201	302 x 228	384.5 x 283
Net Weight (Kg)		1.1	1.1	2	3

Outlet Dimension

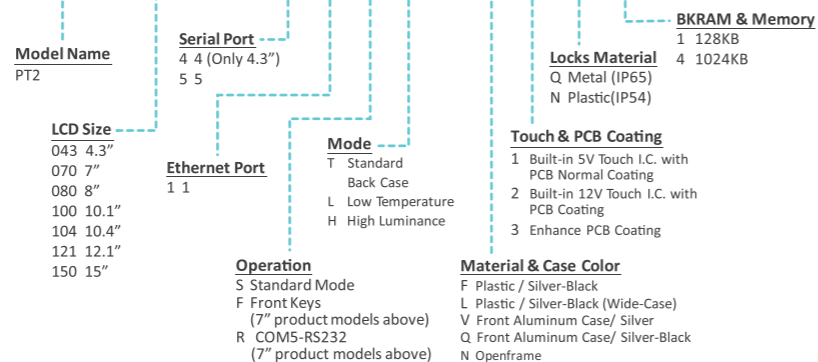


Cut Out Dimension



Naming Rule

PT2 070 - 5 1 S T - L 1 Q 1 C00



Converter Accessories (For 7" product models above)



PK2 Ethernet

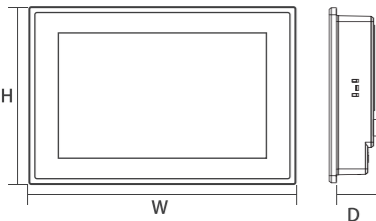


Model Name		PK2043-31ST	PK2070-31ST	PK2080-31ST	PK2100-31ST
LCD Display	Size	4.3" diagonal	7" diagonal	8" diagonal	10.1" diagonal
	Max. Resolution	480*272	800*480	800*600	1024*600
	Type	TFT LCD with LED Backlight			
	Max. Colors	16-bit			
	Backlight Life (hr)	20,000			
	Luminance (cd/m2)	400	400	250	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

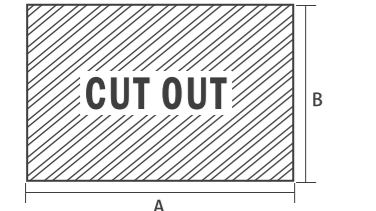


Model Name		PK2104-31ST	PK2120-31ST	PK2121-31ST	PK2150-31ST
LCD Display	Size	10.4" diagonal	12.1" diagonal	12.1" diagonal	15.0" diagonal
	Max. Resolution	800*600	800*600	1024*768	1024*768
	Type	TFT LCD with LED Backlight			
	Max. Colors	16-bit			
	Backlight Life (hr)	20,000		50,000	
	Luminance (cd/m2)	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

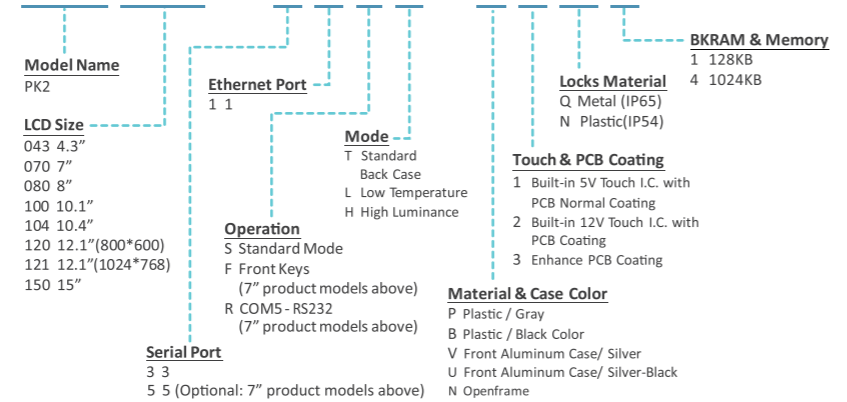


Cut Out Dimension



Naming Rule

PK2 070 - 3 1 S T - P 1 Q 1 C00



Communication Accessories



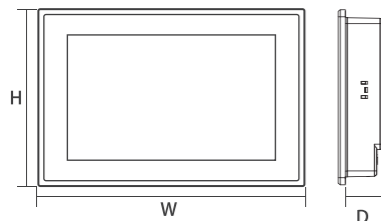


PK2 Serial

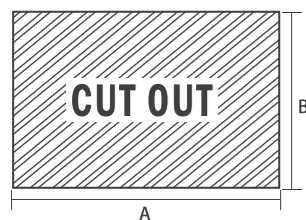


Model Name	PK2043-30ST	PK2070-30ST	PK2100-30ST	
LCD Display	Size	4.3" diagonal	7" diagonal	10.1" diagonal
	Max. Resolution	480*272	800*480	1024*600
	Type	TFT LCD with LED Backlight		
	Max. Colors	16-bit		
	Backlight Life (hr)	20,000		
	Luminance (cd/m2)	400	400	350
Touch Panel	4-wire Analog Touch Panel			
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	
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	

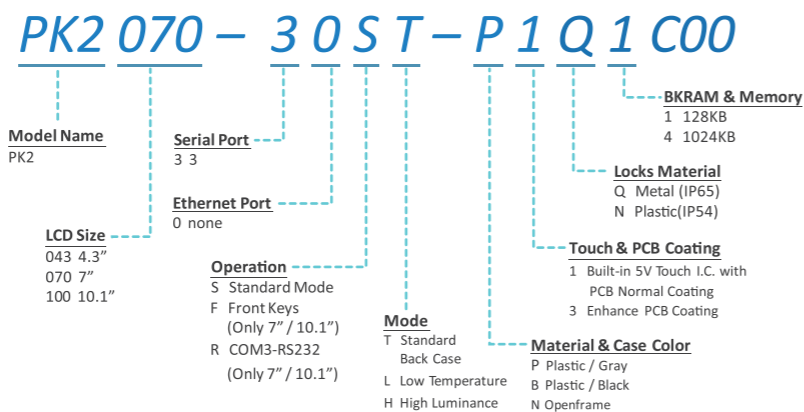
Outlet Dimension



Cut Out Dimension



Naming Rule

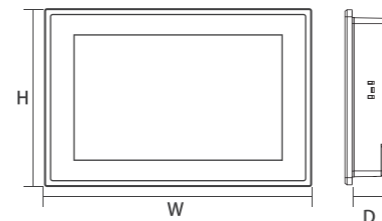


PA2 Series

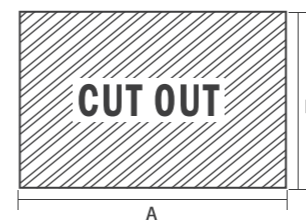


Model Name	PA2043-20ST	PA2070-30ST	PA2100-30ST	
LCD Display	Size	4.3" diagonal	7" diagonal	10.1" diagonal
	Max. Resolution	480*272	800*480	1024*600
	Type	TFT LCD with LED Backlight		
	Max. Colors	16-bit		
	Backlight Life (hr)	20,000		
	Luminance (cd/m2)	350	350	250
Touch Panel	4-wire Analog Touch Panel			
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	

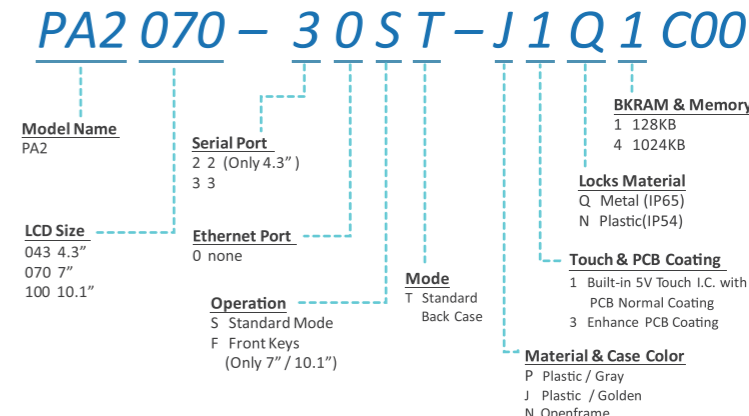
Outlet Dimension



Cut Out Dimension



Naming Rule



- Supports over 450 PLC communication protocols + More than 300 communication drivers
- Collecting data instantly + Intelligence data analysis
- Email alarm notification + Real-time alarm monitoring
- Programmable macro
- Gateway Service
- APP Remote Control via HMI in Hand
- Transparent Communication
- 24V Isolated & protected communication
- Visualization
- Connects to the IDCS



Model Name	SX51-21	SX51-51	
CPU & Memory	CPU	RISC ARM9 300MHz (ARM926EJ-S)	
	Battery Backup SRAM	N/A	
	Working Memory	64MB	
	Data File Memory	128MB NAND Flash	
Serial Communications	COM1 (DB9)	RS232	
	COM2 (DB9)	RS422 or RS485	
	COM3 (DB9)	N/A	RS485
	COM4 (3-Pin Terminal)	N/A	RS485
	COM5 (3-Pin Terminal)	N/A	RS485 or RS232 (Adjust by DIP-Switch)
	Baud Rate	Up to 187.5 Kbps	
	Isolation	N/A	
USB Ports	USB Host	USB 2.0	
	USB Client	USB 2.0	
	Isolation	N/A	
Ethernet Communications	Compatibility	IEEE 802.3, IEEE 802.3u	
	Speed	10/100 Mbps	
	No. of Ports	1 port with single IP	
	Port Connector	RJ-45, 10/100 Based-TX	
Power Supply	Source	External DC Power	
	Input Voltage	24 VDC ±10%	
	Connector	3Pin-Terminal Blocks	
	Isolation	YES	
Environment	Operating Temperature	-10°C~50°C (14°F~122°F)	
	Storage Temperature	-20°C~60°C (-4°F~140°F)	
	Humidity	10% ~ 90% RH @ 40°C, non-condensing	
	Shock(operation)	Half sine, 20G, 11ms duration	
Others	LED Indicators	PWR1/COM1/COM2 RUN/STATUS1/STATUS2	PWR1/COM1/COM2/COM3/COM4/ COM5/RUN/STATUS1/STATUS2
	Mode Switch	Status Setting Switch	
	SD Slot	N/A	
	Dimensions (WxHxD)	27 x 150.4 x 98.5 mm	
Software	OS Support	RTOS (Real-time O.S.)	
	Software Version	PM Designer v2.1.9.05 or higher version	
	Reboot Trigger	Watchdog Timer	
	HMI Server / Client	YES	
RTC	N/A		
Certifications	CE, FCC, (UL61010 *Release in 2020.)		

Naming Rule

**SX 51 - 2 1 G N - U 1 N N**

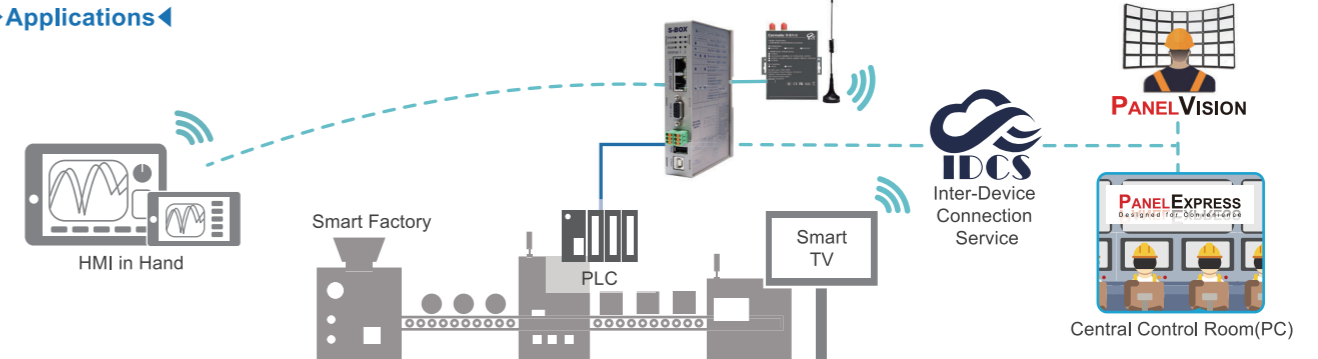
- Model Name**: SX S-BOX
- Product Series**: 51 51 Series, 52 52 Series
- Serial Port**: 1 Single Port, 2 2 Ports, 5 5 Ports
- Ethernet Port**: 1 Single Port, 2 2 Ports
- Function**: G Gateway Function Only, H G + HMI Server + IDCS + MQTT (PM Designer v4.0)
- DI & DO**: N None (SX51), A DI\*2 & DO\*2 (SX52), ..... (A/B/C.....Set by condition)
- Battery Status**: N No Battery (SX51), R Built-in Battery & RTC (SX52)
- Material & Case Color**: U1 Metal / Silver-Black
- SRAM**: N No SRAM Design, 0 Without SRAM, 1 Built-in 128KB SRAM, 4 Built-in 1MB SRAM

- Supports over 450 PLC communication protocols + More than 300 communication drivers
- Collecting data instantly + Intelligence data analysis
- Email alarm notification + Real-time alarm monitoring
- Programmable macro
- Watchdog function
- Provides dynamic & static schedule function
- 2 ports with 2 IP
- APP Remote Control via HMI in Hand
- Transparent Communication
- 24V Isolated & protected communication
- Visualization
- Connects to the IDCS
- FTP Server/Client
- Safety feedback I/O Connector



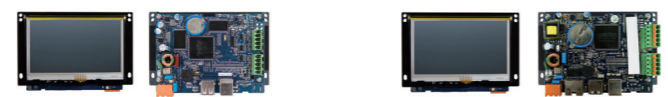
Model Name	SX52	
CPU & Memory	CPU	RISC ARM9 300MHz (ARM926EJ-S)
	Battery Backup SRAM	128KB (Optional: 1MB)
	Working Memory	64MB
	Data File Memory	128MB NAND Flash
Serial Communications	COM1 (DB9)	RS232
	COM2 (DB9)	RS422 or RS485
	COM3 (DB9)	RS485
	COM4 (3-Pin Terminal)	RS485
	COM5 (3-Pin Terminal)	RS485 or RS232 (Adjust by DIP-Switch)
	Baud Rate	Up to 187.5 Kbps
	Isolation	N/A
USB Ports	USB Host	USB 2.0
	USB Client	USB 2.0
	Isolation	N/A
Ethernet Communications	Compatibility	IEEE 802.3, IEEE 802.3u
	Speed	10/100 Mbps
	No. of Ports	2 IP address Ports
	Port Connector	RJ-45 x 2, 10/100 Based-TX
Power Supply	Source	External DC Power
	Input Voltage	24 VDC ±10%
	Connector	3Pin-Terminal Blocks
	Isolation	YES
Environment	Operating Temperature	-20°C~70°C (-4°F~158°F)
	Storage Temperature	-25°C~75°C (-13°F~167°F)
	Humidity	10% ~ 90% RH @ 40°C, non-condensing
	Shock(operation)	Half sine, 20G, 11ms duration
Others	LED Indicators	PWR1/COM1/COM2/COM3/COM4/COM5/RUN/STATUS1/STATUS2
	Mode Switch	Status Setting Switch
	SD Slot	YES
	Dimensions (WxHxD)	27 x 150.4 x 98.5 mm
Software	OS Support	RTOS (Real-time O.S.)
	Software Version	PM Designer v2.1.9.15 or higher version
	Reboot Trigger	Watchdog Timer
	HMI Server / Client	YES
RTC	YES	
Certifications	CE, FCC, (UL61010 *Release in 2020.)	

Applications



4.3" Series

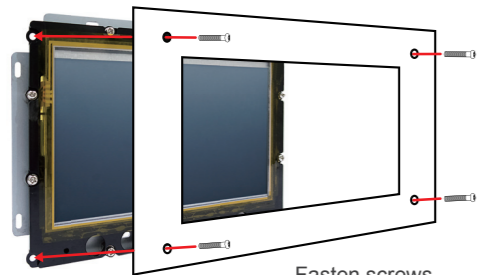
7.0" Series



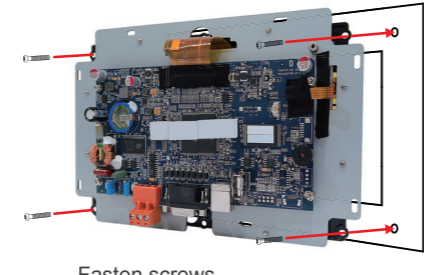
Model Name	PA2043-20ST	PK2043-30ST	PK2043-31ST	PT2043-41ST	PA2070-30ST	
Sub-models	N1N1				N1N1	
LCD Display	Size	4.3" Diagonal				7.0" Diagonal
	Max. Resolution	480*272				800*480
	Type	TFT LCD with LED Backlight				TFT LCD with LED Backlight
	Max.Colors	16-bit				16-bit
	Backlight Life (hr)	20,000				20,000
	Luminance (cd/m2)*2	350	400		350	
Touch Panel	4-wire Analog Touch Panel				4-wire Analog Touch Panel	
CPU	RISC ARM9 32Bit				RISC ARM9 32Bit	
Battery Backed RAM	128KB (Optional:1024KB)				128KB (Optional:1024KB)	
Working Memory	64MB				64MB	
Application Memory	20MB	About 40MB			20MB	
Data File Memory	64MB				64MB	
Real-Time Clock (RTC)	YES (Unchargeable Battery type,3 years battery life)		YES (Unchargeable Battery type, 3 years battery life)	YES (Unchargeable Battery type, 3 years battery life)	YES (Unchargeable Battery type, 3 years battery life)	
Max. Programming Pages	30 Pages	7999 Pages			30 Pages	
Max. Macro Commands	100 Lines	Unlimited			100 Lines	
Communication Interface	Micro SD Slot	N/A				N/A
	USB Host	YES (USB 2.0)				YES (USB 2.0)
	USB Client	YES (USB 2.0)				YES (USB 2.0)
	COM1	RS232 (5-Pin Terminal)	RS232 (5-Pin Terminal)	RS232 (5-Pin Terminal)	RS232 (5-Pin Terminal)	RS232 (DB9)
	COM2	RS422/485 (Optional 5-Pin Terminal)	RS422/485 (5-Pin Terminal)	RS422/485 (5-Pin Terminal)	RS485 (5-Pin Terminal)	RS422/485 (DB9)
	COM3	RS485 (5-Pin Terminal)	RS485 (5-Pin Terminal)	RS485 (5-Pin Terminal)	RS485 (5-Pin Terminal)	RS485 (DB9)
	COM4	N/A	N/A	N/A	RS485 (5-Pin Terminal)	N/A
	COM5	N/A	N/A	N/A	N/A	N/A
	Ethernet	N/A	N/A	YES	N/A	N/A
Front Function Keys	N/A				N/A	
Audio Out	N/A				N/A	
Video In	N/A				N/A	
Front USB Host Port	N/A				N/A	
Power	Supply Voltage	24VDC±10%(Isolated)				24VDC±10%
	Consumption*1	10W				20W
Environment	Operating Temperature	-10°C~50°C	-10°C~60°C		-10°C~50°C	
	Relative Humidity	10%~90%				10%~90%
	EMI	N/A				N/A
	CE	N/A				N/A
	UL Certification	N/A				N/A
	Ingress Protection	N/A				N/A
Cooling	Natural Cooling				Natural Cooling	
Dimension WxHxD (mm)	127 X 80 X 34.5mm				200 X 140 X 39.9mm	
Bezel Open Dimension (mm)	108.95 X 75.1mm				154.08 X 85.92mm	
Net Weight (Kg)	0.17Kg				0.62Kg	

Remark 1 : Power consumption is based on the data when the HMI is not connected to the device.Recommended power supply capacity of 1.5-2 times the marked power consumption to ensure the machine works normally long-term.  
 Remark 2 : The actual luminance will differ because of the transmittance through Touch Panel and membrane.

► Can be installed from both sides for all openframe products.  
 (Please refer to the installation manual for more detail )



Fasten screws from front side



Fasten screws from back side

10.1" Series

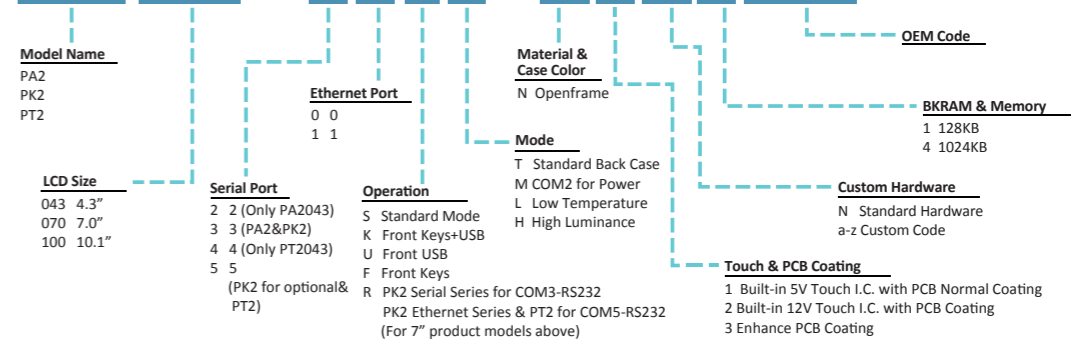


Model Name	PK2070-30ST	PK2070-31ST	PT2070-51ST	PK2100-31ST	PT2100-51ST	
Sub-models	N1N1					
LCD Display	Size	7.0" Diagonal			10.1" Diagonal	
	Max. Resolution	800*480			1024*600	
	Type	TFT LCD with LED Backlight			TFT LCD with LED Backlight	
	Max.Colors	16-bit			16-bit	
	Backlight Life (hr)	20,000			20,000	
	Luminance (cd/m2)*2	400			350	
Touch Panel	4-wire Analog Touch Panel			4-wire Analog Touch Panel		
CPU	RISC ARM9 32Bit			RISC ARM9 32Bit		
Battery Backed RAM	128KB (Optional:1024KB)			128KB (Optional:1024KB)		
Working Memory	64MB			64MB		
Application Memory	About 40MB			About 40MB		
Data File Memory	64MB			64MB		
Real-Time Clock (RTC)	YES (Unchargeable Battery type,3 years battery life)	YES (Unchargeable Battery type, 3 years battery life)	YES (Unchargeable Battery type, 3 years battery life)	YES (Unchargeable Battery type, 3 years battery life)	YES (Unchargeable Battery type, 3 years battery life)	
Max. Programming Pages	7999 Pages			7999 Pages		
Max. Macro Commands	Unlimited			Unlimited		
Communication Interface	Micro SD Slot	N/A				
	USB Host	YES (USB 2.0)				
	USB Client	YES (USB 2.0)				
	COM1	RS232 (DB9)	RS232 (DB9)	RS232 (DB9)	RS232 (DB9)	RS232 (DB9)
	COM2	RS422/485 (DB9)	RS422/485 (DB9)	RS422/485 (DB9)	RS422/485 (DB9)	RS422/485 (DB9)
	COM3	RS485 (Optional RS232) (DB9)	RS485 (DB9)	RS485 (DB9)	RS485 (DB9)	RS485 (DB9)
	COM4	N/A	RS485 (Optional 5-Pin Terminal)	RS485 (5-Pin Terminal)	RS485 (Optional 5-Pin Terminal)	RS485 (5-Pin Terminal)
	COM5	N/A	RS485 or RS232 (Optional 5-Pin Terminal)	RS485 (Optional RS232) (5-Pin Terminal)	RS485 or RS232 (Optional 5-Pin Terminal)	RS485 (Optional RS232) (5-Pin Terminal)
	Ethernet	N/A	YES		N/A	YES
Front Function Keys	N/A			N/A		
Audio Out	N/A			N/A		
Video In	N/A			N/A		
Front USB Host Port	N/A			N/A		
Power	Supply Voltage	24VDC±10%(Isolated)			24VDC±10%(Isolated)	
	Consumption*1	20W			20W	
Environment	Operating Temperature	-10°C~60°C			-10°C~60°C	
	Relative Humidity	10%~90%			10%~90%	
	EMI	N/A			N/A	
	CE	N/A			N/A	
	UL Certification	N/A			N/A	
	Ingress Protection	N/A			N/A	
Cooling	Natural Cooling			Natural Cooling		
Dimension WxHxD (mm)*3	200 X 140 X 39.9mm	200 X 140 X 45mm		252 X 194.1 X 38.8mm		
Bezel Open Dimension (mm)	154.08 X 85.92mm			223 X 127.7mm		
Net Weight (Kg)	0.62Kg			1.2Kg		

Remark 3 : The depth of PK2 Ethernet Series and PT2 Series includes Terminal Block Height(optional item for PK2 Ethernet series)

► Naming Rules ◀

PA2 043 - 2 0 ST - N 1 N 1 C00



Serial Port	
Brand	Model
Advantech	ADAM (Modbus RTU) ADAM-4000 (ASCII)
Allen Bradley	Micrologix 1000/1500 SLC 5/03, 5/04 DH-485 (COM) PLC-5 SLC 5/03, 5/04 (CRC) CompactLogix/ControlLogix Tag
Astraada HMI	Modbus Master (RTU) Modbus Device/Slave (RTU)
Banner Engineering Int'l Inc.	BSP01 Series NF0 Controllers FCT Controllers
CMZ Sistemi Elettronici	SD Drivers SDS Drivers MDM Drivers
DEIF A/S	Modbus RTU (COM port) WSS/WSS-L
Delta Corporation	DVP-ES/SS/EP/EH DVP-SV ( Modbus RTU / ASCII ) VFD-M Inverter (ASCII) VFD-B Inverter (ASCII) DTC1000/2000 Temperature (ASCII) DTA Temperature (ASCII) DTE Temperature (ASCII) ASDA-A Servo Controller (ASCII) ASDA-B Servo Controller (ASCII) ASDA-A2 Servo Controller (ASCII)
Emerson Network Power	EC Series (RTU) EV1000 Series Variable Speed Driver
Eura Drives Electric Corp.	Eura EF1S/1N Eura EF2N Eura Inverter (Modbus RTU / ASCII) Eura EF200-CPU202(Modbus RTU) Eura EF200-CPU202XP/CPU204(Modbus RTU) Eura EF200-CPU204XP/CPU206(Modbus RTU) Eura EF300-CPU304(Modbus RTU) Eura EF300-CPU306(Modbus RTU) Eura Servo Drive (Modbus RTU/ASCII) Eura HFR1000 (Modbus RTU/ASCII) Eura HFR2000 (Modbus RTU/ASCII)
Fatek Automation Corp.	FATEK FBs/FBe
Festo Corporation	FPC/FEC Series
Fuji Electric Corporation	NB Series PXR Series Temperature (RTU) FRENIC-VP (RTU) FRENIC5000G11/P11 (Fuji) FRENIC-Mini/Eco/Multi/Mega(RTU)
FKV Automation Co., Ltd.	F Series Inverter 90 Series SNP
GE Corporation	VersaMax Series (SNP) 90 and RX3i Series (SNP) 90 Series CCM
Hitachi Industrial Equipment Systems Co., Ltd	SJ200 Inverter H/EH Series EHV Series (Procedure 1) H-252C H/EH Series (Procedure 2)
Hitech	AD Series Servo Drives Computer as Slave (COM) Computer as Master (COM) Computer as Slave V2 (COM) Computer as Master V2 (COM)
Honeywell	BACnet/MSTP BACnet
HUST Automation Inc.	CNC Controller New CNC Controller CNC Controller (GCODE)
Idec Corporation	FC Series
Inovance Control Technology Co., Ltd.	H2u (CPU Port) MD Series Inverter (RTU) MD Series Inverter (RTU-1) IS Servo (RTU)
Joint Peer Systec Corp.	IRIS Series JUPITER Series PDAN Series PDS Series
Keyence Corp.	KV Series KV-1000 KV-L20V,KV-NANO

Brand	Model
Keyence Corp.	KV-L20 KV-3000
Kinco Automation Ltd.	Kinco ED Series
Koyo Electric Corp.	K Sequence Series Direct Logic Series Direct 06 Series (K Sequence) Direct 06 Series (DirectNET)
LG Industrial Systems	Master-K Series CNet K120S CPU Port Master-K Loader GLOFA GM Series CNet XBM-DR16S GLOFA GM Loader XEC/XGI CNet XGT/XGK (CPU) XGL-C22A
LiteON Industry Automation	EVO Inverter Series (RTU) XGB XBM S-series (CPU)
LSIS Co. Ltd.	XGB - XBC E (CPU) XGB - XBC H (CPU) XGB - XBC E (Dedicated Protocol) XGB XBCS - CNet
Matsushita Electric Works	FP Series Computer Link FP-X Series VFOC Series Inverter VF100 Series Inverter
Micro Trend Corp.	UTC400P+ UTC400P+ (for 64) UTC Servo Controller
MIKOM ELECTRICAL TECHNOLOGY	MX Series PLC
Mitsubishi Electric Corp.	Melsec-FX (CPU Port) Melsec-Q/QnA (Link Port) Melsec-Q00/Q01 (CPU Port) Melsec-Q02/Q02H (CPU Port) Melsec-Q02U (CPU Port) Melsec-Q00J (CPU Port) Melsec-FX2n (CPU Port) Melsec-FX3U (CPU Port / Link Port) Melsec-AnN/AnS (Link Port) Melsec-AnN/AnS Protocol 4 FX2n-10GM/20GM Melsec-A1S/A2S (CPU Port) FR-E500 Series (485) Melsec-A3N/A1SH (CPU Port) Melsec-AnA/AnU (Link Port) Melsec-AnA/AnU Protocol 4 Servo Amplifier MR-J2S-A Servo Amplifier MR-J3-A Servo Amplifier MR-J4-A Melsec-A2A/A2AS (CPU Port) Melsec-Q06H (CPU Port) Melsec-Q12H (CPU Port) Melsec-Q03U (CPU Port) Melsec-Q00U (CPU Port) GOT-F900 Emulator (1:1 Format 1 & 2) Melsec-Q01U (CPU Port) Melsec-FX5U Modicon 984 Master (RTU) Modicon 984 Master (RTU; Little Memory) Modicon 984 Device/Slave (RTU) Modbus Master (ASCII) Modbus Master (ASCII; Little Memory) Modbus Device/Slave (ASCII) Modicon Device/Slave (RTU, Quantum) Modbus Master (RTU; Non-volatile slave data) Modbus Device/Slave (RTU; 6-digit Addresses) Modbus Master (ASCII; Non-volatile slave data)
Modicon Corp.	
Omron Corporation	Sysmac C Series Host Link Sysmac CV Series Host Link Sysmac CVM Series (Host Link) Sysmac CS/CJ Series ( Host Link / FINS ) Sysmac CP Series (FINS) E5CN Temperature (CompoWay/F) E5CN Temperature (Modbus RTU) EJ1 Temperature (CompoWay/F) KM100 (CompoWay/F) 3G3MV Inverter (RTU)
Panasonic Corporation	FP Series MINAS A4 Series MINAS A5 Series (RS485)

Brand	Model
Panasonic Corporation	FP7-CPS31E/41E
PanelMaster	General Device (COM) Modbus Master (RTU) Modbus Device/Slave (RTU) Modbus Device/Slave (Word order in big-endian) Modbus Device/Slave (RTU; No block read) Modbus Device/Slave (ASCII) Modbus Device/Slave (ASCII; No block read) Barcode Scanner Compax3 HID Series (X4 RS232 Port) SLVDN Series (X1 RS422/485 Port) MA900/CB900 Series (RTU)
Parker Hannifin	CD/CH Series (ASCII) RB/CB (RKC)
RKC Instrument Inc.	PCD Series (S-Bus PGU) PCD Series (S-Bus, Data Mode)
Saia Burgess	NOVA Series (RTU) NOVA Series
Samwon Technology	ATV31 Inverter (RTU)
Schneider Electric	Lexium 23 Servo Controller (ASCII) Modbus RTU (COM PORT)
Siemens AG	Simatic S7-200 (PPI; 1-to-1) Simatic S7-200 SMART (PPI; 1-to-1) Simatic S7-200 (PPI; Network) Simatic S7-300 (MPI Port/PC Adaptor) Simatic S5 / S5 3964R
Taian Automation Co.,Ltd.	TP03 Series (Modbus RTU) TP02 Series
Taiwan Instrument & Control Co., Ltd.	TAIE FY100/900 Series (RTU / TAIE ) FY series DIGITAL PID CONTROLLER
Teco Electric & Machinery Co.,Ltd.	TSDA Series AC Servo TP03 Series (Modbus RTU) TP02 Series TSTA Series AC Servo L510s AC Inveter E510s AC Inveter A510s AC Inveter F510s AC Inveter JSDG2 AC Servo JSDAP AC Servo JSDEP AC Servo AP Series PLC
Texas Instruments Incorporated	TI505
TOHO Electronics Inc.	TTX-700 (Modbus RTU) TTM-000 Series (TOHO Protocol) TTM-200 Series (TOHO Protocol)
USAT Technologies	AX (CPU Port) AX2N (CPU Port) AX3U (CPU Port)
Vertex Technology Co., Ltd	VT26/30 Series Controllers (RTU)
Vigor Corporation	M/VB Series VS Series
Yamatake Corporation	SDC35/36 Temperature (RTU / ASCII) MA500 FA Controller (ECL Host) DMC10 Controller (RTU/ASCII) MX30 MX50
Yaskawa Corporation	Σ-II SGM/H Series AC Servo MP Series Controller (Memobus) V7 inverter (Memobus) NS600 Servo Controller
Yokogawa Electric Corporation	FA-M3 Series (CPU Port)

Note: \*This Driver List is only suitable for software V2.1.9.00 or higher version.  
\*The brand names are listed in alphabetical order.  
\*This driver list will be updated at any time, please contact us for the latest information.

Ethernet Port	
Brand	Model
Advantech	BACnet/IP HW BACnet/IP ADAM-6000 (ModBus TCP/IP) MicroLogix 1000/1500 via 1761-NET-ENI MicroLogix
Allen Bradley	CompactLogix/ControlLogix Ethernet/IP Tag Micro 820/850
Astraada HMI	ModBus Master (TCP/IP)

Brand	Model
Astraada HMI	ModBus Device/Slave (TCP/IP) ModBus Master (TCP/IP; Type 2) ModBus Device/Slave (TCP/IP; Type 2)
Azbil Corporation	BACNet/IP WJ-1
Banner Engineering Int'l Inc.	BSP02 Series
Beckhoff Automation GmbH	ADS for TwinCAT 2 ( via Ethernet) ADS for TwinCAT 2 ( via DLL) ADS for TwinCAT 3 ( via Ethernet) ADS for TwinCAT 3 ( via DLL)
CMZ Sistemi Elettronici	FCT Controllers(TCP/IP; Type 2)
CODESYS Automation Alliance	CODESYS V3 TCP/IP
DEIF A/S	TCP/IP Modbus (Ethernet port)
Delta Corporation	AS Series (Modbus TCP)
Fatek Automation Corp.	Fatek FBs/FBe (TCP)
Festo Corporation	FPC/FEC EasyIP
Fuji Electric Corporation	MICREX-SX
GE Corporation	SRTP Ethernet SRTP Ethernet (Micro)
Hitachi Industrial Equipment Systems Co., Ltd	EH/EHV Series (Ethernet; TCP) EH/EHV Series (Ethernet; UDP)
Honeywell	BACnet/IP HW BACnet/IP
IMO	General Device (TCP/IP Slave) Modbus Device/Slave (TCP/IP)
JETTER	JetControl 24x Series (Ethernet)
Keyence Corp.	KV-5000 KV-7000
Lenze Drive Systems GmbH	E94AYCEN GCI(TCP/IP) Protocol
LG Industrial Systems	XGT/XGK (CPU)
Mirle Automation Corporation	Fama SoftPLC Ethernet ModBus Device/Slave (TCP/IP) Q Ethernet Q/L Ethernet (ASCII Mode) L Ethernet (Binary Mode) Melsec-FX3U (MC-Protocol) Melsec-FX5U
Mitsubishi Electric Corp.	
Modicon Corp.	ModBus Master (TCP/IP) ModBus Device/Slave (TCP/IP) ModBus Master (TCP/IP; Type 2) ModBus Device/Slave (TCP/IP; Type 2)
Omron Corporation	Sysmac CS/CJ Series FINS/TCP Sysmac NJ Series FINS/TCP FP Series Computer Link
Panasonic Corporation	FP7-CPS31E/41E FP7 (Computer Link) TCP/IP Gateway Server Data Sharer (UDP) General Device (TCP/IP Slave) Ping Modbus Device/Slave (TCP/IP) Internal Memory Server Internal Memory OPC UA / DA Client Driver Http Gateway Server Web Server
Parker Hannifin S.p.A.	6K Ethernet Protocol 6K Fast Status Update
PORIS	XC ModBus TCP
Saia Burgess	PCD Series (Ether-S-Bus) PCD Series (Ether-S-Bus) (Sub-Link)
Schneider Electric	Modbus RTU TCP/IP Simatic S7-300 Ethernet Module (CP343) SIMATIC S7 (Ethernet) SIMATIC S7-300 (Ethernet) SIMATIC S7-200 SMART (Ethernet) SIMATIC S7-200 (Ethernet) LOGO (Ethernet)
Siemens AG	
TPM	EPC-1000
TRIO Motion Technology	MC4N (32-bit Mode)
Vigor Corporation	VB/VH Series (TCP/IP) VS Series (ENET)
WAGO Kontakttechnik GmbH & Co. KG	WAGO-I/O-SYSTEM 750 WAGO-I/O-SYSTEM 750-820x
Wieland Electric GmbH	Modbus Device/Slave (TCP/IP; Type 2)
Yaskawa Corporation	Σ-II SGM/H Series AC Servo MP Series Controller (Memobus) V7 inverter (Memobus) NS600 Servo Controller
Yokogawa Electric Corporation	FA-M3 Series (CPU Port)