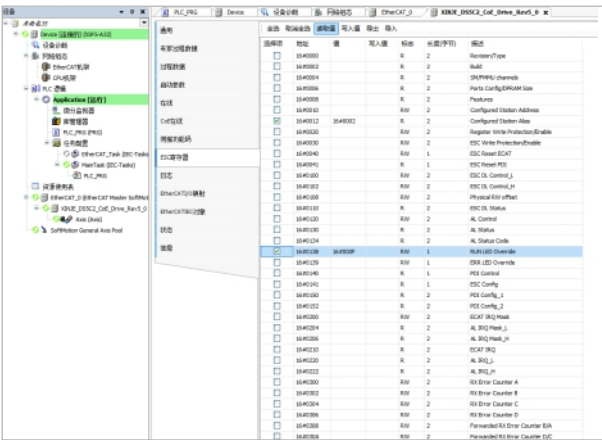
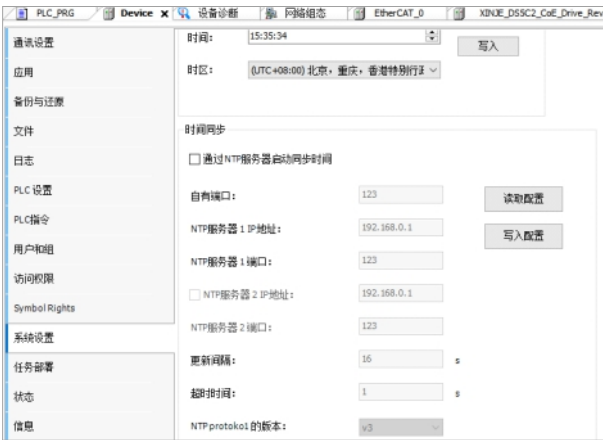


XS Studio is compatible with XS series PLC

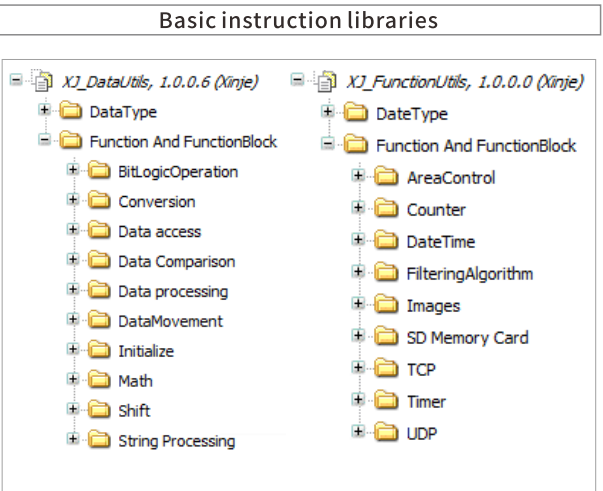
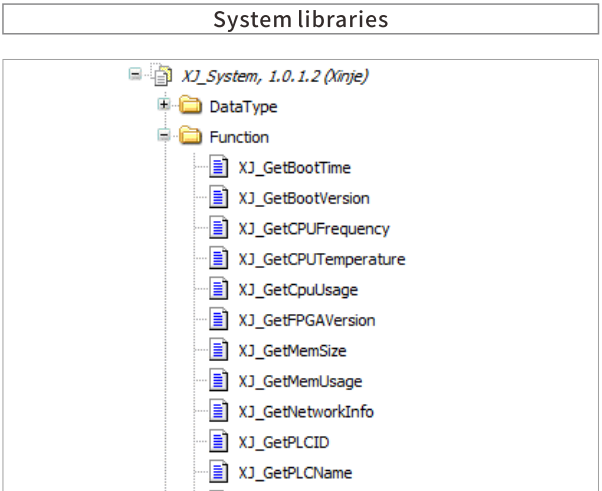
ESC registers



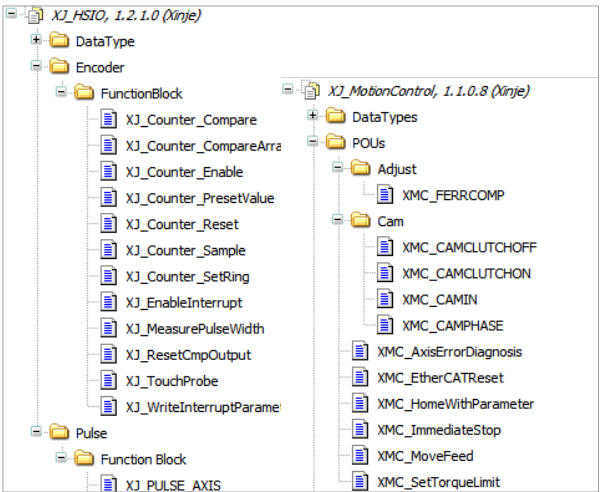
NTP clock synchronization



Comprehensive libraries



High-speed counting & motion control libraries



Upgrade tool

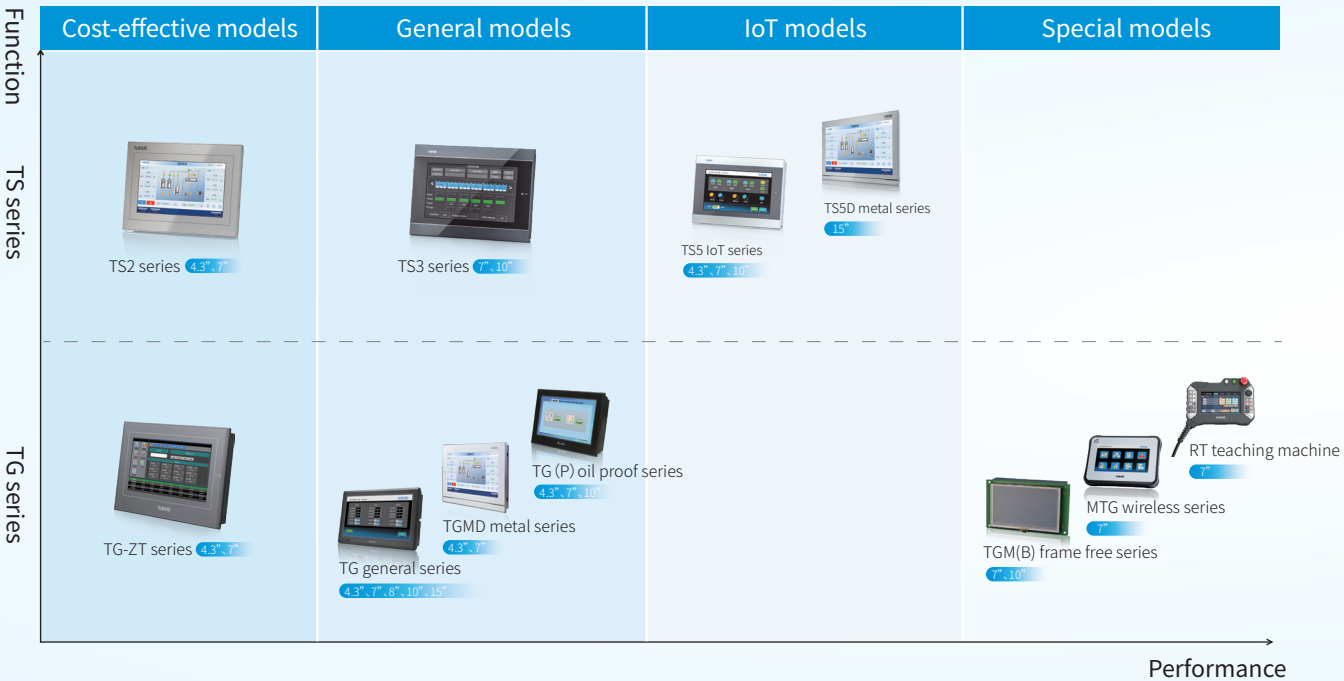
Supports five functions: PLC firmware upgrade, module firmware upgrade, user program management, backup/restore, and factory reset.



HMI model distribution

The Xinje HMI mainly includes two major series, TS and TG. The TS series is a new generation of HMI, which based on Linux system and equipped with an efficient A7 dual core processor, make touch screen operations more efficient and fast, which is beneficial for users to process data on the touch screen. Simultaneously retaining the original features of high protection and low failure rate, it has a wider range of applications. Current TS series include 4.3 inches, 7 inches, 10 inches, and 15.6 inches.more sizes are under development. Stay tuned.

The TG series general models cover sizes from 4.3 inches to 15.6 inches, with 8 sub-series that maintain consistent high protection and low failure rates. They are suitable for various occasions, as well as in trusses, robots, logistics and other industry projects.



TS series high performance HMI

Adopting Linux system and equipped with efficient dual core A7 processor, the human-machine experience is smoother



TS5D series - Metal IoT HMI

- Market with high structural requirements for IoT demand



TS5 series - IoT HMI

- Targeting the IoT market



TS3 series - Standard HMI

- Targeting the general automation market



TS2 series - Entry-level HMI

- Targeting the small single machine and electrical market

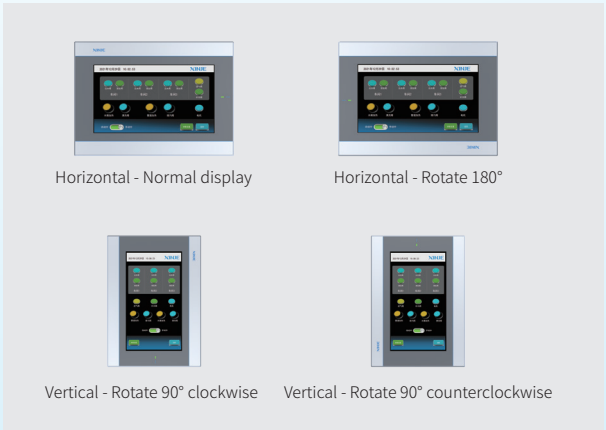


High performance processors

Adopting ARM Cortex-A7 dual core processor, 1GHz main frequency, built-in 128MB memory, expandable USB storage.

Multi-directional installation at will

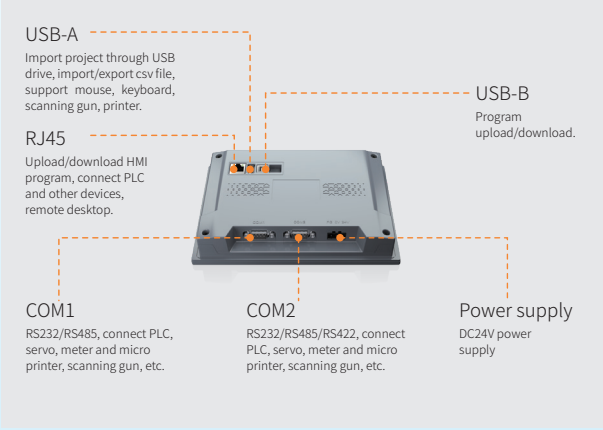
Support free installation in four directions, meeting the needs of different occasions.



Efficient system

Based on the Linux system, the multitasking mechanism significantly improves system response speed, making operations more efficient and efficient.

Rich device connectivity



IoT type metal HMI

TS5D series 12"、15.6"

- Adopting Cortex-A7 dual core processor, with a main frequency of 1.2GHz
- Covering mainstream information exchange protocols, supporting MQTT and TCP/IP
- The metal structure of the entire machine enhances anti-interference and heat dissipation
- Support streaming media and video playback, with better performance when used in conjunction with audio
- Support network cameras for remote monitoring
- Relying on TouchWinPro software, it is easy to use and run efficiently

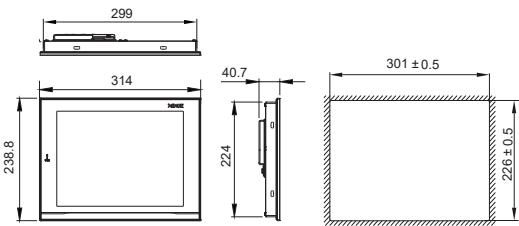


Product specification

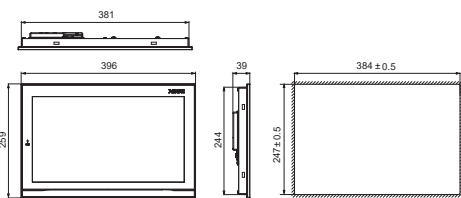
	Item	TS5D-1200-E2	TS5D-1200-4G	TS5D-1200-W	TS5D-1500-E2	TS5D-1500-4G	TS5D-1500-W
Product feature	Size	15.6"					
	Type	16.77 million colors					
	Resolution	1920*1080					
	Brightness	250 cd/m²					
	Touch panel	Four-wire resistive touch panel					
	Service life	Over 30000 hours, ambient temperature of 25°C, 24-hour operation					
	Processor	Cortex-A7 1.2GHz					
	Storage	256MB					
Interface	Adaptive software	TouchwinPro software					
	COM1	RS232/RS485					
	COM2	RS232/RS485/RS422					
	Ethernet port	Standard RJ45, 10/100M*2					
	USB port1	USB-A (compliant with USB2.0 specifications), 2 USB flash drive ports					
	USB port2	Type-C, USB download port					
	Audio	Ø3.5coaxial audio interface					
	4G	/	4G LTE-FDD (Mbps) 10 (downlink) / 5 (uplink)	/	/	4G LTE-FDD (Mbps) 10 (downlink) / 5 (uplink)	/
Electrical feature	WiFi	/	/	IEEE 802.11 a/b/g/n IEEE 802.11 g:54Mbps	/		IEEE 802.11 a/b/g/n IEEE 802.11 g:54Mbps
	Input voltage	DC24V (voltage range: DC22V-DC26V)					
	Power	10W					
	Allowable instant power failure	Below 10ms (actual power loss less than 1s)					
	Withstand voltage	AC1000V, 10mA, less than 1 minute (signal to ground)					
	Insulation impedance	DC500V, above 10MΩ (signal to ground)					
	Operation temperature	0-50°C					
	Storage temperature	-10-60°C					
Environ-ment	Environmental humidity	10%RH-90%RH (without condensation)					
	Vibration resistance	10-25Hz (2G in X, Y, and Z directions for 30 minutes each)					
	Anti-interference	Voltage noise: 1500Vp-p, pulse width 1us, 1 minute					
	Surrounding air	Non corrosive gas					
	Protection level	Front panel Ip65					
	Cooling method	Natural air cooling					
	External dimension (mm)	396.0*259.0*39.0					
	Opening size (mm))	384.0*247.0 (±0.5)					
Structure							

Dimension (unit: mm)

TS5D-1200 series



TS5D-1500 series



IoT type HMI

TS5 series 10.1" 7" 4.3"

- Remote functions: remote desktop (remote control of HMI real-time screen on PC), remote transparent transmission (remote upload/download PLC program), remote download (updating HMI program)
- Support audio output and can output various types of audio through external speakers
- Covering mainstream information exchange protocols and supporting MQTT/TCP IP
- Standard network port, networking through optional WIFI/4G module
- Edge computing, conducive to data analysis and statistics

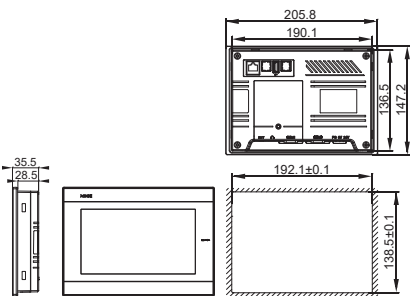


Product specification

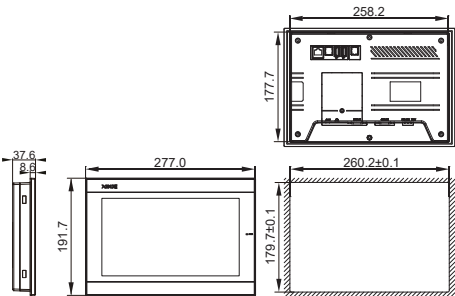
Product model		TS5-700-E TS5-700-4G TS5-700-W	TS5-1000-E TS5-1000-4G TS5-1000-W
Product features	Size	7"	10.1"
	Type	16.77 million colors	
	Resolution	800*480	1024*600
	Brightness	300 cd/m²	
	Touch panel	Four-wire resistive touch panel	
	Service life	Above 50000 hours, ambient temperature 25°C, 24 hours operation	
	Processor	Cortex-A7 1GHz	
	Memory	128MB	
Interface	COM1 port	RS232/RS485	
	COM2 port	RS232/RS485/RS422	
	Ethernet port	Standard RJ45, 10/100M	
	USB-A port	Flash disk port, USB2.0 standard	
	Audio	ø3.5Coaxial audio plug	
	4G (only supported by 4G models)	4G LTE-FDD (Mbps): 10 (downlink)/5 (uplink)	
	WiFi (only supported by W models)	IEEE 802.11 a/b/g/n IEEE 802.11g: 54Mbps	
Electrical features	Input voltage	DC24V (voltage range: DC22~DC26V)	
	Current consumption	200mA	270mA
	Allowable instantaneous power failure	Below 10ms (actual power loss less than 1s)	
	Withstand voltage	AC1000V, 10mA, less than 1 minute (signal and ground)	
Environment	Insulation impedance	Above DC500V, 10MΩ (signal and ground)	
	Operation temperature	0-50°C	
	Storage temperature	-20-60°C	
	Ambient humidity	10%RH~90%RH (no condensation)	
	Anti-interference	Voltage noise: 1500Vp-p, pulse width 1us, 1 minute	
	Ambient air	No corrosive gas	
	Protection level	Front panel IP65	
	Cooling method	Natural air cooling	
Structure	Display area (mm)	154.08*85.92	219.6*131.76
	External dimension (mm)	205.8*147.2*35.5	277.0*191.7*37.6
	Opening size (mm)	192.1*138.5(±0.1)	260.2*179.7(±0.1)
	Authentication	CE marked	

Dimension (unit: mm)

TS5-700-E/4G/W



TS5-1000-E/4G/W



Standard type HMI

TS3 series 10.1" 7"

- Adopting Cortex-A7 dual core processor, with a main frequency of 1GHz and built-in 128MB memory
- Rich in functions, suitable for various occasions
- Stronger sealing performance, providing better protection against dust, water vapor, and debris
- The product structure conforms to lightweight design, making it lighter and thinner
- New TouchWinPro software with comprehensive feature upgrades

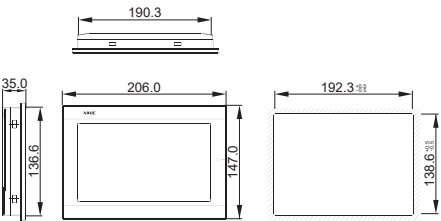


Product specification

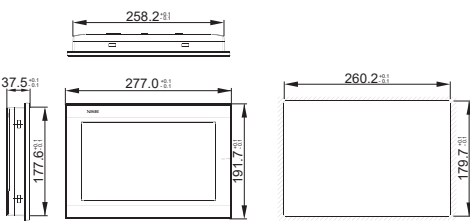
Product models		TS3-700-E	TS3-700-M	TS3-700-M3	TS3-700-E	TS3-700-Z	TS3-1000-M	TS3-1000-E	TS3-1000-Z
Product feature	Size	7.0"					10.1"		
	Resolution	1024*600	800*480				1024*600		
	LCD	TFT LCD display with LED backlight							
	Display color	16.77 million colors							
	Brightness	200 cd/m²	300 cd/m²			350 cd/m²	300 cd/m²		
	Touch panel	Four-wire resistive touch panel							
	Service life	Above 50000 hours, ambient temperature 25°C, 24 hours operation							
	Processor	Cortex-A7 1GHz							
	Memory	512MB	128MB						
Interface	COM1	RS232/RS485				RS232	RS232/RS485		RS232
	COM2	RS232/RS485/RS422				RS485 RS232/RS485/RS422		RS485	
	COM3	/	/	RS485	/	/	/	/	
	USB-A	Flash disk port, USB2.0 standard							
	USB-B	USB download port, USB2.0 standard							
	Ethernet port	Standard RJ45	/	/	Standard RJ45	/	/	Standard RJ45	/
Electrical feature	Input voltage	DC24V (voltage range: DC22V-DC26V)							
	Consumption current	200mA					270mA		
	Allowable instantaneous power failure	Below 10ms (actual power loss less than 1s)							
	Withstand voltage	AC1000V, 10mA, less than 1 minute (signal and ground)							
	Insulation impedance	DC500V, above 10MΩ							
Environment	Operation temperature	0-50°C							
	Storage temperature	-10-60°C							
	Ambient humidity	10%RH-90%RH (no condensation)							
	Anti-interference	Voltage noise: 1500Vp-p, pulse width 1us, 1 minute							
	Ambient air	No corrosive gas							
	Cooling method	Natural air cooling							
	Protection level	Front panel IP65							
	CE marked								
Dimension	Display area (mm)	154.08*85.92				219.6*131.76			
	External dimension (mm)	206.0*147.0*35.0				277.0*191.7*37.5			
	Opening size (mm)	192.3*138.6 (±0.5)				260.2*179.7 (±0.5)			
Authentication		CE marked							

Dimension (Unit: mm)

TS3-700/700H-M/E/Z



TS3-1000-M/E/Z



Economical HMI

TS2 series 4.3" 7" 10.1"

- 7-inch screen available in Black (B) and Silver
- Based on Linux systems and relying on existing TouchWinPro software
- Adopting a mature hardware design scheme, equipped with an efficient A7 dual core 1GHz processor
- Compatible with existing product opening sizes, stable, durable, efficient, and convenient
- The front panel meets the IP65 protection level and supports free installation in four directions, meeting the requirements of different occasions

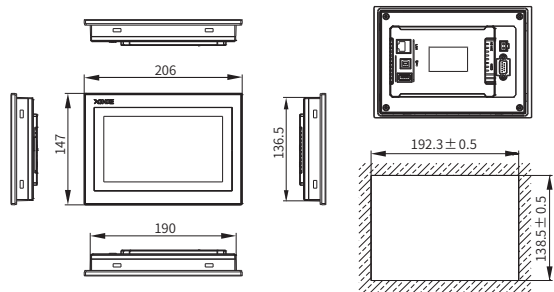


Product specification

Product models		TS2-700-Z	TS2-700-Z-B	TS2-700-E	TS2-700-E-B	TS2-700H-E	TS2-700H-Z	TS2-700-W	TS2-700-4G	
Product feature	Size	7.0"								
	LCD	TFT LCD display with LED backlight, 16.77 million colors								
	Resolution	800*480				1024*60		800*480		
	Brightness	300 cd/m²								
	Touch panel	Four-wire resistive touch panel								
	Service life	Above 30000 hours, ambient temperature 25°C, 24 hours operation								
	Language	Multiple language options including Simplified Chinese, Traditional Chinese, English, Japanese, Russian, German, and more (Chinese characters compatible with the Windows font library).								
	Character size	Any font and size								
	Processor	Cortex-A7 1GHz								
	Memory	128MB				256MB				
Software	TouchwinPro programming software									
Interface	COM port	RS232/RS485						RS232/RS485/422		
	Ethernet port	/		Standard RJ45		/		Standard RJ45		
	USB-A	USB-A (compliant with USB2.0 specifications), USB port, used to connect portable storage devices such as USB drives, can import and export data, and can connect devices such as mouse and keyboards								
	USB-B	USB-B (compliant with USB2.0 specifications), USB download port, used for downloading HMI program data								
	4G (Only 4G models are supported)	/						/		4G LTE-FDD (Nbps): 10(downlink) / 5(ulplink)
Electrical feature	WIFI (Only W models are supported)	/						IEEE 802.11 b/g/n IEEE 802.11 g/54Mbps		/
	Input voltage	DC24V (voltage range: DC22-26V)								
	Current consumption	200mA								
	Allowable instant power failure	Below 10ms (actual power loss less than 1s)								
	Withstand voltage	AC 1000V, 10mA, less than 1minute (single to ground)								
Environment	Insulation impedance	DC500V, above 10MΩ (single to ground)								
	Power supply	DC24V (voltage range: DC22V-DC26V)								
	Operation temperature	0-50°C								
	Storage temperature	-10-60°C								
	Ambient humidity	10%RH-90%RH (no condensation)								
Dimension	Protection level	Front panel IP65								
	Anti-interference	Voltage noise: 1500Vp-p, pluse width lus, 1minute								
	Surrounding air	Non corrosive gas								
	External dimension (mm)	206*147*34.3								
	Opening size (mm)	192.3*138.6 (±0.5)								
	Authentication	CE marked								

Dimension (Unit: mm)

- TS2-700-W/4G
- TS2-700H-E/Z
- TS2-700-Z
- TS2-700-Z-B
- TS2-700-E
- TS2-700-E/B



Economical HMI

TS2 series 4.3" 7" 10.1"

- 7-inch screen available in Black (B) and Silver
- Based on Linux systems and relying on existing TouchWinPro software
- Adopting a mature hardware design scheme, equipped with an efficient A7 dual core 1GHz processor
- Compatible with existing product opening sizes, stable, durable, efficient, and convenient
- The front panel meets the IP65 protection level and supports free installation in four directions, meeting the requirements of different occasions

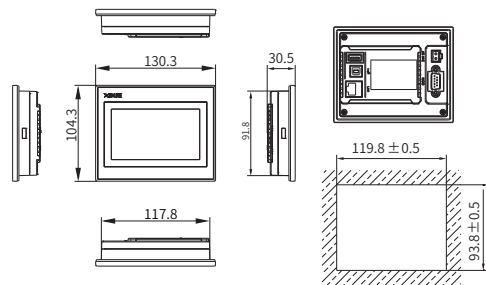


Product specification

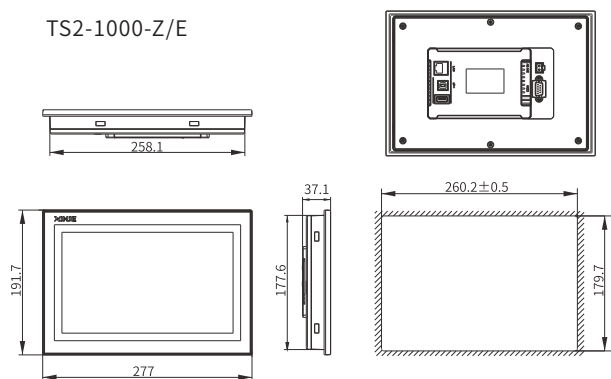
Product models		TS2-400-Z	TS2-400-E	TS2-1000-Z	TS2-1000-E
Product feature	Size	4.3"		10.1"	
	LCD	TFT LCD display with LED backlight, 16.77 million colors			
	Resolution	480*272		1024*60	
	Brightness	500cd/m ²		350 cd/m ²	
	Touch panel	Four-wire resistive touch panel			
	Service life	Above 30000 hours, ambient temperature 25°C, 24 hours operation			
	Language	Multiple language options including Simplified Chinese, Traditional Chinese, English, Japanese, Russian, German, and more (Chinese characters compatible with the Windows font library).			
	Character size	Any font and size			
	Processor	Cortex-A7 1GHz			
	Memory	64MB		256MB	
Interface	Software	TouchwinPro programming software			
	COM port	RS232/RS485			
	Ethernet port	/	Standard RJ45	/	Standard RJ45
	USB-A	USB-A (compliant with USB2.0 specifications), USB port, used to connect portable storage devices such as USB drives, can import and export data, and can connect devices such as mouse and keyboards			
	USB-B	USB-B (compliant with USB2.0 specifications), USB download port, used for downloading HMI program data			
Electrical feature	Input voltage	DC24V (voltage range: DC22-26V)			
	Current consumption	200mA		270mA	
	Allowable instant power failure	Below 10ms (actual power loss less than 1s)			
	Withstand voltage	AC 1000V, 10mA, less than 1minute (single to ground)			
	Insulation impedance	DC500V, above 10MΩ (single to ground)			
Environment	Power supply	DC24V (voltage range: DC22V-DC26V)			
	Operation temperature	0-50°C			
	Storage temperature	-10-60°C			
	Ambient humidity	10%RH-90%RH (no condensation)			
	Protection level	Front panel IP65			
	Anti-interference	Voltage noise: 1500Vp-p, pluse width lus, 1minute			
	Surrounding air	Non corrosive gas			
Dimen- sion	External dimension (mm)	130.3*104.3*30.5		277*191.7*37.1	
	Opening size (mm)	119.8*93.8 (±0.5)		260.2*179.7 (±0.5)	
Authentication		CE marked			

Dimension (Unit: mm)

TS2-400-Z/E



TS2-1000-Z/E



TouchWin Pro software



Simple and intuitive software interface

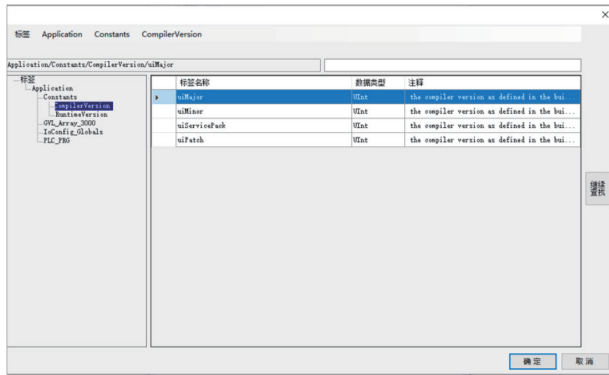
Fully considering the convenience and ease of use of user programming

Committed to reducing programming time



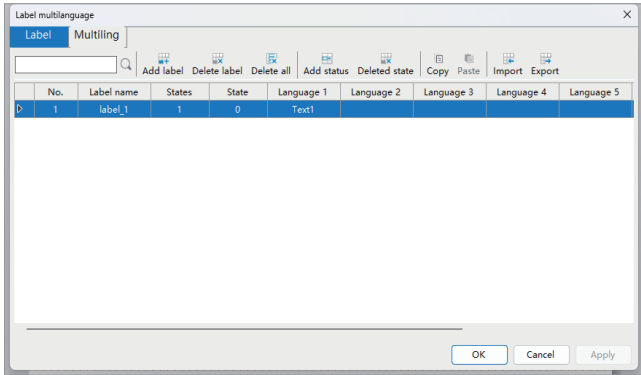
Tag Communication

TS series products support standard tag communication such as Codesys and PLC handler, as well as proprietary tag communication like Siemens and Inovance, enabling faster and more efficient programming.



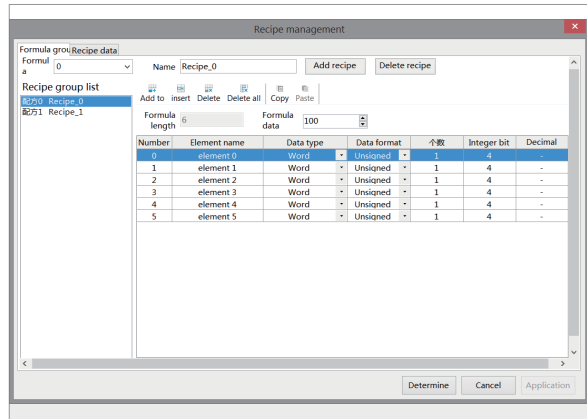
Multilingual Tags

Supports mainstream foreign languages (English, Korean, Japanese, Arabic, etc.), with up to 16 languages usable simultaneously. Features table editing, import/export support, and batch one-click switching for multilingual texts.



Powerful Recipe Management

The new recipe management is simple and easy to edit. It supports editing recipe data on the touch screen, including inserting, deleting, importing, exporting and other operations.



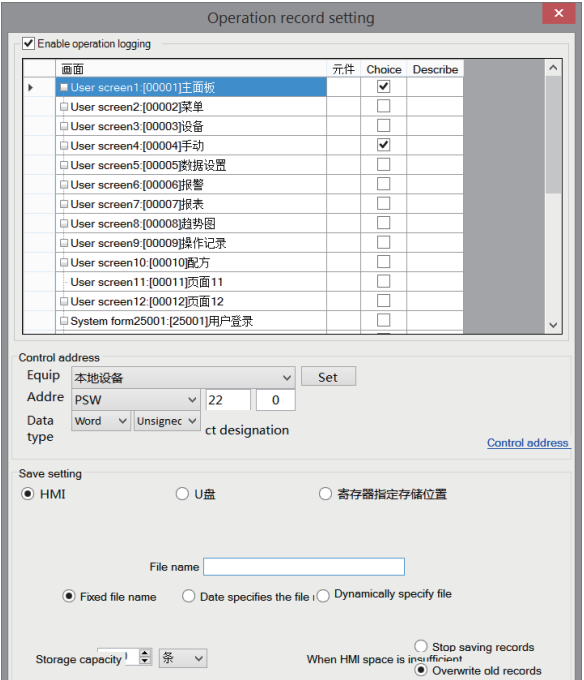
Detailed Report Management

The report management method supports the display of tables in forward order/ reverse order. You can query data or alarm records by date and keyword. It can be imported/exported to USB flash disk.



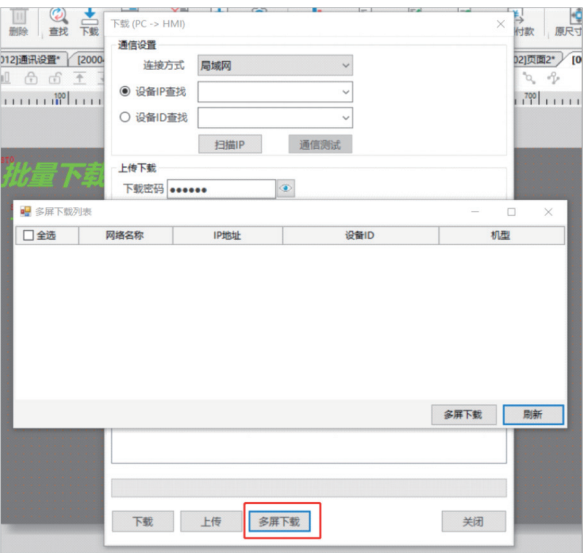
Traceable Operation Records

Record user login and operation contents, which can be exported to USB flash disk to help analyze process flow and troubleshooting.



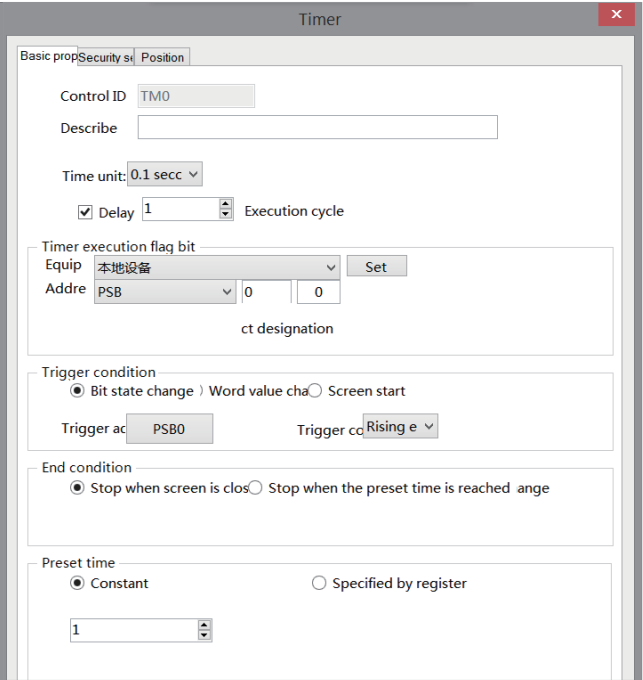
Multi-screen Download

Supports simultaneous project download to up to 10 touch screens within the same local area network (provided there are no devices with identical IPs in that network).



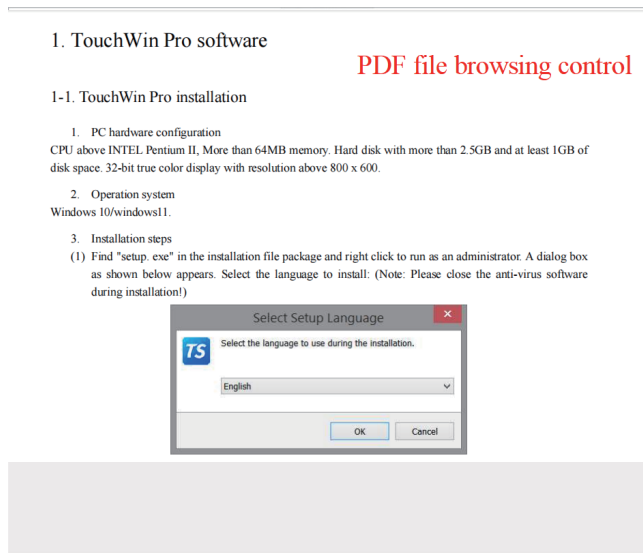
Schedule

With timer function, it can set the time and execute it regularly, making the on-site operation more efficient.



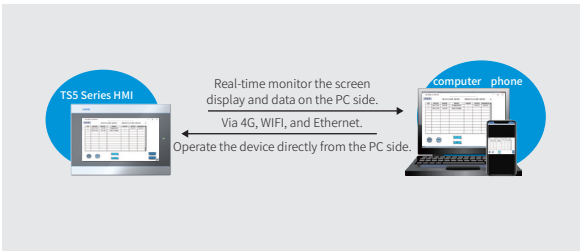
PDF File Preview

Combined with the file browsing function, allows direct preview and viewing of PDF files from a USB drive on the screen, with page turning and zoom operations supported.



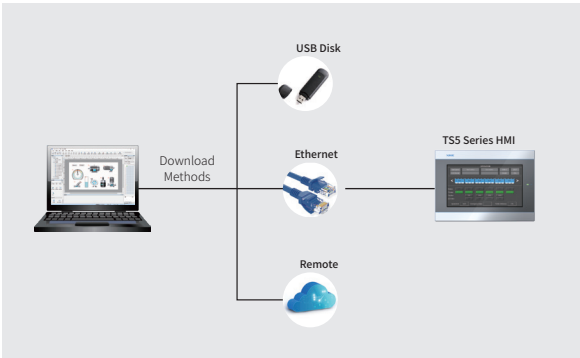
Remote Desktop

Also known as VNC functionality, supports synchronizing the touch screen's display and data on a PC or mobile device, enabling real-time HMI monitoring and remote control of the touch screen without being on-site.



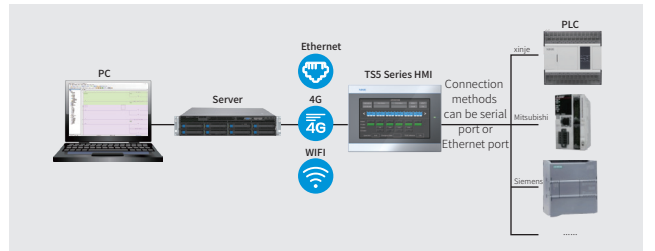
Multiple Program Download Methods

Supports uploading and downloading touch screen programs via USB drive, local area network, or remotely.

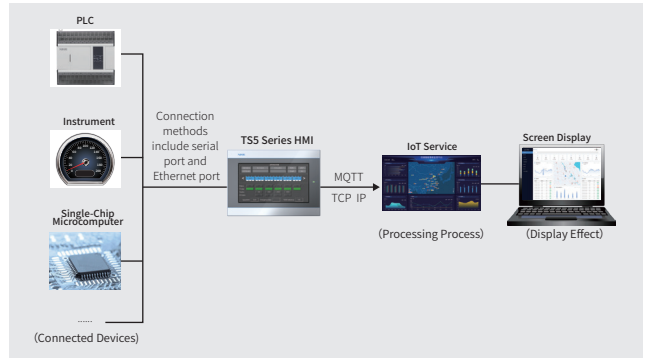


Remote Passthrough

Supports remote upload and download of PLC programs, solving issues like not finding the download cable or insufficient ports. Programs can be downloaded to the PLC via network connection using 4G or WiFi modules.



Covers mainstream information interaction protocols, supporting MQTT/TCP IP.



Optional WIFI/4G Communication Expansion Board

The device comes standard with an Ethernet port and supports an optional WIFI/4G communication expansion board, which integrates seamlessly with the TS5 without occupying extra space. Users can freely switch between the 4G or WiFi communication expansion board based on the usage scenario.



Multimedia Function

Supports streaming media and preset video playback, with enhanced effects when used in conjunction with audio.

Real-time Monitoring

Supports connecting to network cameras for remote monitoring.

Wide temperature metal HMI

TGM (D) series 10.1" 7"

- New appearance and structure design, centralized interface
- Ultra thin body
- The metal cover of the whole machine greatly improves the anti-interference and heat dissipation
- The temperature range is -20°C~70°C, suitable for the site environment with high temperature requirements
- More industrial chips are adopted, and the performance is more stable



Product specification

Product model		TGMA63D-ET	TGM765D-ET
Product features	Display size	10.1"	7"
	Resolution	1024*600	800*480
	LCD	TFT LCD display, LED backlight	
	Display color	16.77million colors	
	Brightness	200 cd/m²	
	Touch panel	Four-wire resistive touch screen	
	LCD life	Above 50000 hours, ambient temperature 25°C, 24-hour operation	
Interface	Memory	128MB	
	PLC port	RS232/RS485/RS422	
	Download port	RS232/RS485	/
	USB-A port	USB flash disk port, USB2.0 standard	
	USB-B port	USB download port, USB2.0 standard	
Electrical features	Ethernet port	Standard RJ45	
	Input voltage	DC24V (voltage range: DC22V-DC26V)	
	Consumption current	270mA	200mA
	Allowable power loss	Below 10ms (actual power loss less than 1s)	
	Withstand voltage shock	AC1000V, 10mA, less than 1 minute (signal and ground)	
Environment	Insulation resistance	Above10MΩ, DC500V	
	Operation temperature	-20-70°C	
	Storage temperature	-30-75°C	
	Operation humidity	10%RH-90%RH (no condensation)	
	Anti-interference ability	Voltage noise: 1500Vp-p, pulse width 1us, 1 minute	
	Air	No corrosive gas	
	Cooling mode	Natural air cooling	
Dimension	Protection level	Front cover IP65	
	External dimension (mm)	276.9*191.6*34.8	206.0*147.0*34.6
	Opening size (mm)	260.2*178.7	192.3*138.6
Authentication		CE marked	

Ultrathin type HMI

TG(G) / TG(S) series 10.1" 7" 4.3"

- The gray appearance design of the whole machine has strong visual impact
- Improved cover material, frosted texture
- The function and performance are the same to TG(S) series



Product specification

Product model		TGA63G-MT TGA63G-UT TGA63G-ET	TG765G-MT TG765G-UT TG765G-ET	TG465G-UT TG465G-ET	TGA63S-MT TGA63S-UT TGA63S-ET	TG765S-MT TG765S-UT TG765S-ET
Product features	Display size	10.1"	7"	4.3"	10.1"	7"
	Resolution	1024*600	800*480	480*272	1024*600	800*480
	LCD	TFT LCD display, LED backlight				
	Display color	16.77million colors				
	Brightness	200 cd/m²				
	Touch panel	Four-wire resistive touch screen				
	LCD life	Above 50000 hours, ambient temperature 25°C, 24-hour operation				
Interface	Memory	128MB				
	PLC port	RS232/RS422/RS485	RS232/RS422/RS485	RS232/RS485/RS422 (XT model cannot support RS422)	RS232/RS422/RS485	
	Download port	RS232/RS485	RS232/RS485	/	RS232/RS485	
	USB-A port	USB flash disk port, USB2.0 standard. UT/ET model can support				
	USB-B port	USB download port, USB2.0 standard				
Electrical features	Ethernet port	Standard RJ45, ET model can support				
	Input voltage	DC24V (voltage range: DC22V~DC26V)				
	Consumption current	270mA	200mA	180mA	270mA	200mA
	Allowable power loss	Below 10ms (actual power loss less than 1s)				
	Withstand voltage shock	AC1000V, 10mA, less than 1 minute				
Environment	Insulation resistance	Above 10MΩ, DC500V				
	Operation temperature	0°C~ 50°C				
	Storage temperature	-20°C~ 60°C				
	Operation humidity	10%RH-90%RH (no condensation)				
	Anti-interference ability	Voltage noise: 1500Vp-p, pulse width 1us, 1 minute				
	Air	No corrosive gas				
	Cooling mode	Natural air cooling				
Dimension	Protection level	Front cover IP65				
	External dimension (mm)	278.0*192.3*44.0	207.0*148.0*38.5	152.6*102.0*33.4	278.0*192.3*44.0	207.0*148.0*38.5
	Opening size (mm)	260.2*179.7	192.0*138.5	144.0*94.0	260.2*179.7	192.0*138.5
Authentication		CE marked				

General HMI

TG series 10.1" 8" 7" 4.3"

- Covering complete display size, the product lineup is abundant
- It has various functions and is suitable for most industrial sites
- USB-A front port design, easy to use (GA62 support)



■ USB-A front interface design, more convenient operation TGA62support

USB-A interface is used for data import and export. This interface is designed on the front of the panel. When transmitting data, there is no need to open the control cabinet. It is easy to operate and greatly improves the work efficiency.



Product specification

Product model		TGA63-MT TGA63-UT TGA63-ET	TGA62-MT TGA62-ET	TG865-MT TG865-ET	TG765-MT TG765-UT TG765-ET	TG465-MT TG465-UT TG465-ET	TG465-MT2 TG465-UT2 TG465-XT
Product features	Display size	10.1"	10.1"	8"	7"	4.3"	
	Resolution	1024*600	800*480	800*600	800*480	480*272	
	LCD	TFT LCD display, LED backlight					
	Display color	16.77 million colors					
	Brightness	200 cd/m²					
	Touch panel	Four-wire resistive touch screen					
	LCD life	Above 50000 hours, ambient temperature 25°C, 24-hour operation					
	Memory	128MB					
Interface	PLC port	RS232/RS422/RS485					
	Download port	RS232/RS485				RS232/RS485 (only -MT2/UT2 model support)	
	USB-A port	USB flash disk port, USB2.0 standard. UT/ET model can support					
	USB-B port	USB download port, USB2.0 standard					
	Ethernet port	Standard RJ45, ET model can support					
Electrical features	Input voltage	DC24V (voltage range: DC22V~DC26V)					
	Consumption current	270mA		250mA	200mA	180mA	
	Allowable power loss	Below 10ms (actual power loss less than 1s)					
	Withstand voltage shock	AC1000V, 10mA, less than 1 minute					
	Insulation resistance	Above10MΩ, DC500V					
Environment	Operation temperature	0°C~50°C					
	Storage temperature	-20°C~60°C					
	Operation humidity	10%RH-90%RH (no condensation)					
	Anti-interference ability	Voltage noise: 1500Vp-p, pulse width 1us, 1 minute					
	Air	No corrosive gas					
	Cooling mode	Natural air cooling					
	Protection level	Front cover IP65					
Dimension	External dimension (mm)	272.2*191.7*51.2	272.2*191.7*51.2	224.4*170.8*45.5	200.4*146.9*48.5	152.0*102.0*41.8	
	Opening size (mm)	260.2*179.7	260.2*179.7	211.4*157.8	192.0*138.5	144.0*94.0	
	Authentication	CE marked					

Economic type HMI

Economic type TG series 7" 4.3"

- TG-XT**
 - On the basis of general type TG/ultra-thin type TG(S)/new appearance TG(G) series products, one or two RS232 serial ports are reserved, with standard clock function
Note: the serial port only supports RS232 communication mode
- TG-ZT**
 - Remove RS422 communication mode on the basis of new appearance TG(G) series products
Note: the internal register PFW is stored every 1 minute



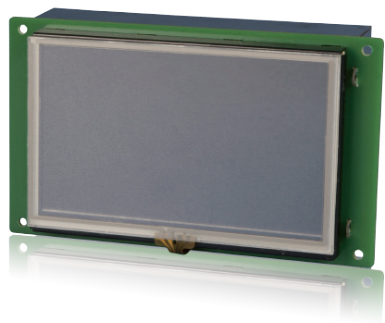
Product specification

Product model		TG765-XT-C	TG765S-XT	TG765G-XT	TG765G-ZT	TG465G-ZT
Product features	Display size	7"				4.3"
	Resolution	800*480				480*272
	LCD	TFT LCD display, LED backlight				
	Display color	16.77million colors	16.77million colors	16.77 million colors	65535 colors	
	Brightness	200 cd/m²				
	Touch panel	Four-wire resistive touch screen				
	LCD life	Above 50000 hours, ambient temperature 25°C, 24-hour operation				
Memory	128MB	128MB	128MB	64MB		
Interface	PLC port	RS232	RS232	RS232	RS232/RS485	RS485
	Download port	/	RS232	RS232	RS232	RS232
	USB-A port	/	/	/	USB-A (USB2.0 standard), USB flash disk port	
	USB-B port	USB-B (USB2.0 standard), USB download port				
Ethernet port	/					
Electrical features	Input voltage	DC24V (voltage range: DC22V~DC26V)				
	Consumption current	200mA				180mA
	Allowable power loss	Below 10ms (actual power loss less than 1s)			/	
	Withstand voltage shock	AC1000V, 10mA, less than 1 minute			/	
	Insulation resistance	Above10MΩ, DC500V			/	
Environment	Operation temperature	0°C~50°C				
	Storage temperature	-20°C~60°C				
	Operation humidity	10%RH-90%RH (no condensation)				
	Anti-interference ability	Voltage noise: 1500Vp-p, pulse width 1us, 1 minute				
	Air	No corrosive gas				
	Cooling mode	Natural air cooling				
	Protection level	Front cover IP65				
Dimension	External dimension (mm)	200.4*146.9*48.5	206.0*147.0*38.6	206.0*147.0*38.6	206.0*147.0*38.6	130.3*104.3*29.8
	Opening size (mm)	192.0*138.5				119.0*93.0
Authentication		CE marked				

Embedded without border HMI

TGM(B) series 10.1" 7" 4.3"

- No front cover, rear installation, greatly reducing the installation space
- It fits closely with the surface of the equipment for better fusion
- Users can design their own mask to meet the needs of personalized customization
- It is especially suitable for vehicle, medical, testing and other applications

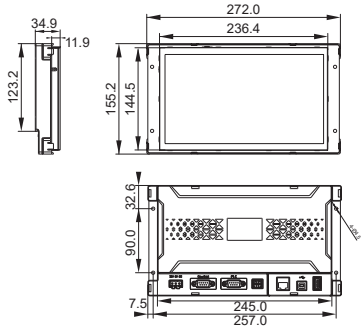


Product specification

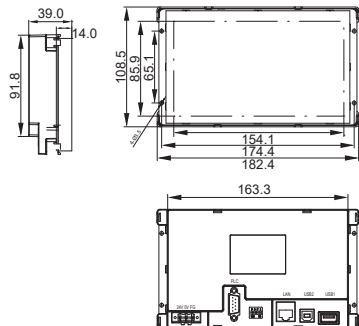
Product model		TGMA63B-ET	TGM765B-MT/UT	TGM465B
Product features	Display size	10.1"	7"	4.3"
	Resolution	1024*600	800*480	480*272
	LCD	TFT LCD display, LED backlight		
	Display color	16.77 million colors		
	Brightness	200 cd/m²		
	Touch panel	Four-wire resistive touch screen		
	LCD life	Above 50000 hours, ambient temperature 25°C, 24-hour operation		
Interface	Memory	128MB		64MB
	PLC port	RS232/RS485/RS422		RS485
	Download port	RS232/RS485	/	RS232
	USB-A port	USB flash disk port, USB2.0 standard, ET models supportUSB		
	USB-B port	USB download port, USB2.0 standard		
Electrical features	Ethernet port	Standard RJ45 port, ET models support		/
	Input voltage	DC24V (voltage range: DC22V~DC26V)		
	Consumption current	270mA	200mA	180mA
	Allowable power loss	Below 10ms (actual power loss less than 1s)		
	Withstand voltage shock	AC1000V, 10mA, less than 1 minute		
Environment	Insulation resistance	Above 10MΩ, DC500V		
	Operation temperature	0°C~50°C		
	Storage temperature	-20°C~60°C		
	Operation humidity	10%RH~90%RH (no condensation)		
	Anti-interference ability	Voltage noise: 1500Vp-p, pulse width 1us, 1 minute		
	Air	No corrosive gas		
	Cooling mode	Natural air cooling		
Dimension	Protection level	/		
	External dimension (mm)	272.0*155.2*34.9	182.4*108.5*39.0	128.0*75.0*27.6
	Opening size (mm)	257.0*90	174.4*65.1	118.0*67.0
Authentication		CE marked		

Appearance dimension drawing (Unit: mm)

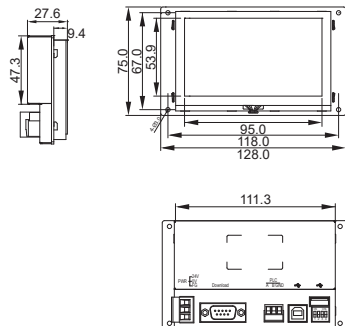
TGMA63B-ET



TGM765B-MT/ET



TGM465B



Handheld wireless HMI

MTG series 7"

- Exquisite appearance, handheld operation, more flexible
- Built-in mobile power supply, convenient charging and long battery life
- Wireless communication with PLC, fast air transmission speed (up to 115200bps), long communication distance and strong stability

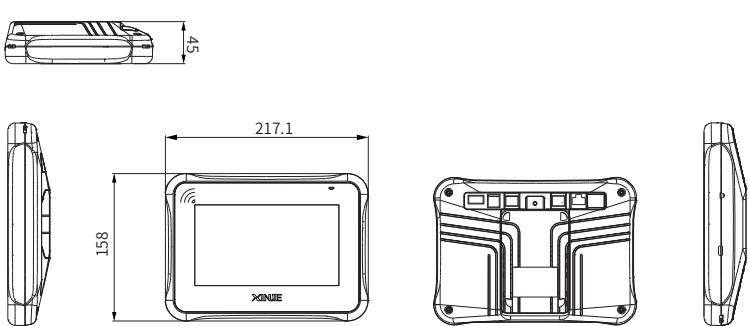


Product specification

Product model		MTG765-HT
Product specification	Display size	7.0"
	Display color	16.77 million colors
	Resolution	800*480
	Brightness	Adjustable (system register PFW100)
	Touch panel	Four-wire resistive touch panel
	Service life	Above 50000 hours, ambient temperature 25°C, 24-hour operation
	Character setting	Simplified Chinese, Traditional Chinese, English, Japanese, Russian, German, and more
Memory	Character size	Any font and size
	Memory	128MB
Screen features	Power	4W
	Charging parameters	5.0V-2.0A 9.0V-2.0A 12.0V-1.5A
	Endurance time (always on)	8 hours
	Charging time	<10 hours
Electrical features	Operation temperature	0-45°C
	Ambient humidity	10%RH-90%RH (no condensation)
	Ambient air	No corrosive gas
	Protection level	The front panel complies with IP65
	Cooling method	Natural air cooling
Structure	External dimension (mm)	217.1*158.0*36.6
Product model	PLC port (built-in)	Built-in PLC port integrated wireless communication module
	USB-A port	USB flash disk port, USB2.0 standard
	USB-B port	USB download port, USB2.0 standard
	Micro-USB	Micro-USB, USB charging port
	Ethernet port	Standard RJ45 port
Authentication		CE marked

Appearance dimension drawing (Unit: mm)

MTG765-HT



Handheld teaching pendant

RT series 7"

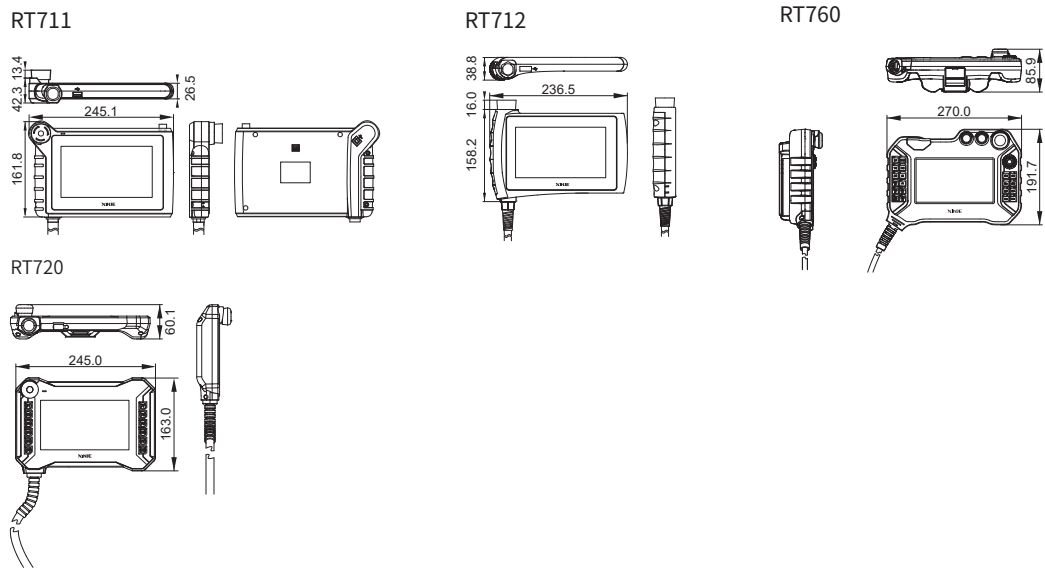
- Convenient field equipment test, widely used in manufacturing and industrial robot industry
- Fully consider the convenience of use, ergonomic holding structure, easy to hold with one hand and two hands
- The back magnet design can liberate hands and mobile operation without place limit
- All round reassuring protection, and the protection grade of the whole machine can reach IP66
- Fast and convenient programming



Product specification

Product model		RT711	RT712	RT720	RT760
Product features	Display size	7"			
	Resolution	800*480			
	Display	16.77 million colors, TFT LCD display, LED backlight			
	Brightness	200 cd/m ²			
	Touch panel	Four-wire resistive touch panel			
	Button	20 film buttons, the function can be set freely			
Interface	Memory	128MB			
	PLC port	RS485			
	USB-A port	USB flash disk port, USB2.0 standard			
	USB-B port	USB download port, USB2.0 standard			
Electrical features	Input voltage	DC24V (voltage range: DC22V~DC26V)			
	Consumption current	200mA			
	Allowable power loss	Below 10ms (actual power loss less than 1s)			
	Operation temperature	0-50°C			
Environment	Storage temperature	-20-60°C			
	Operation humidity	10%RH-90%RH (no condensation)			
	Protection level	IP66 for the whole machine			
	Housing Material	Engineering Plastic PC+ABS			
	External dimension (mm)	161.8*245.1*26.5	174.2*236.5*38.8	163.0*245.0*60.1	191.7*270.0*85.9
Authentication		CE marked			

Appearance dimension drawing (Unit: mm)



TouchWin

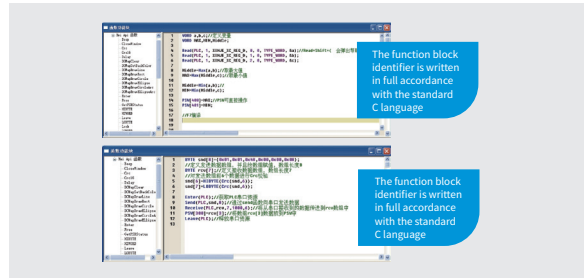
Rich functional components

C language function block, operation, command and communication are omnipotent

- C language function block meets more complex computing and communication needs, give full play to the system functions and better serve customers.

Support most standard C functions

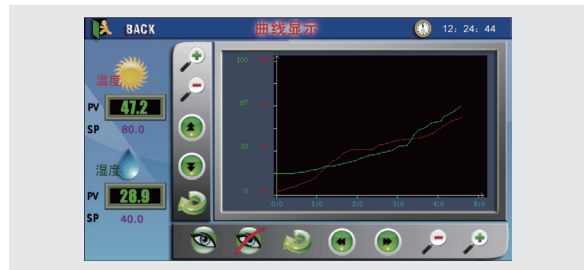
The function can be encrypted separately. You need to enter a password to view the function content, which protects the rights and interests of usersguage



Strong data processing capability

Process control data acquisition function, and the trend chart display is more intuitive

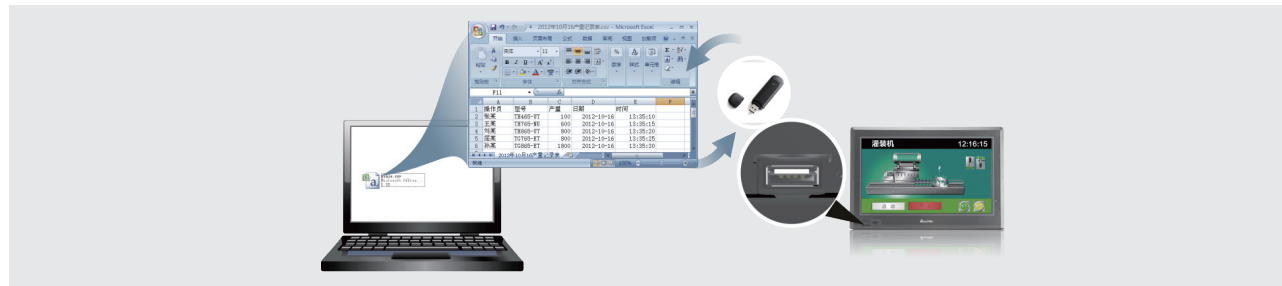
The alarm function allows the system to recover quickly



The storage and bidirectional transmission of recipe data greatly improve the work efficiency

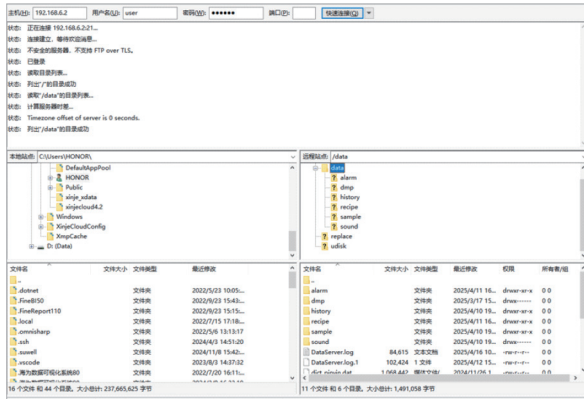


Export CSV format data through USB flash disk, backup important data



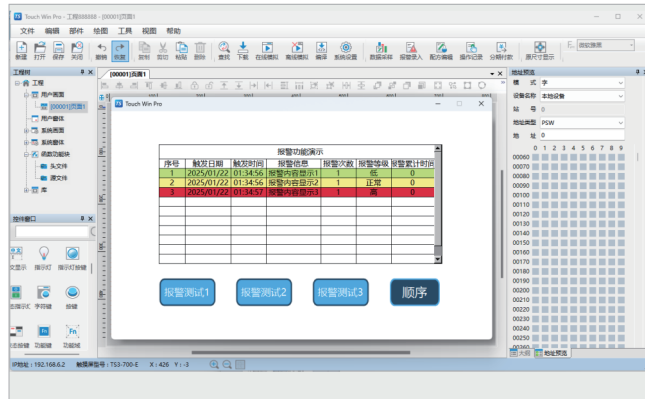
FTP File Transfer

Enables file transfer between the touch screen and a PC, allowing access to sampled data, alarm logs, and operation logs from within the touch screen. User permissions and recipe data can be modified via the FTP file replacement method.



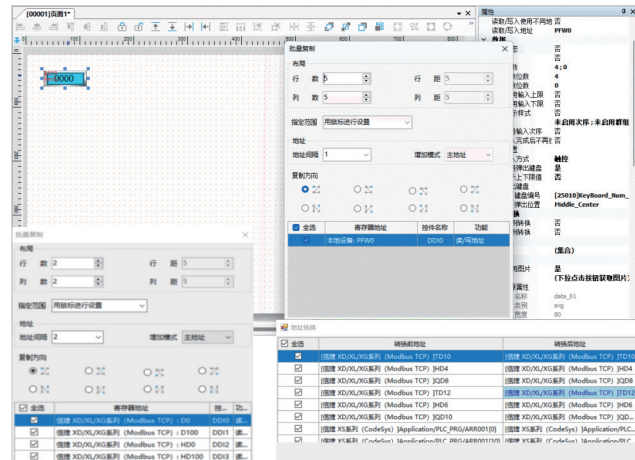
Flexible Alarm Configuration

Features a new alarm function supporting configurable flashing of alarm text and customizable background colors for alarm bars by priority level. Alarm data sorting and querying methods are more diverse.



Batch Copy, Edit, Conversion

Supports batch copying and editing of components, as well as batch address conversion. Dramatically improves efficiency—the more components, the greater time saved.



TG series general HMI

4.3-10.1inches full coverage, 8 branch products to meet a variety of interaction needs of your industrial site



Suitable for many occasions

- TG general model
- TG(G) gray ultrathin model
- TG(S) black ultrathin model



Suitable for harsh environment

- TGM(D) Site environment with severe temperature requirements



Suitable for special occasions

- TGM(B) Vehicle, medical, testing



Suitable for handheld operation

- MTG handheld wireless operation, built-in mobile power supply
- RT can be operated with one hand and two hands, which is convenient for field test equipment



Suitable for basic occasions

- TG(S/G)-XT Cost effective



High hardware configuration for higher performance

CPU ARM9 core Main frequency 400MHz	Memory 128MB/64MB	Storage 128MB	Color 16.77 million	Capacity 4 million words Power off holding area
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Download, start and run trinity ultra-high speed response



Download

USB high-speed data transmission can greatly reduce the program download time and facilitate debugging



Start

Greatly improve the startup speed and reduce the waiting time



Run

Smoother screen switching and animation effect

Flexible installation and free choice

Vertical installation or horizontal installation can be freely selected according to the actual needs of the site.

信息可视化平台

03

Industrial Informatics

Cloud Platform | Cloud Intelligent Manufacturing • XDATA
Gateway Products

4G • WIFI • Ethernet • Protocol-agnostic Transparent Transmission



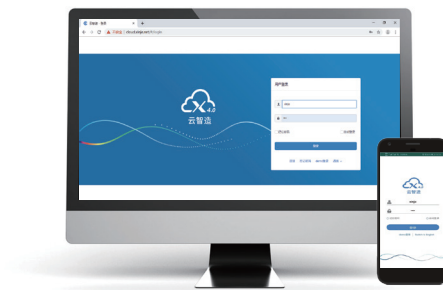
Xinje Cloud

No programming | no professional skills | create an exclusive IOT platform

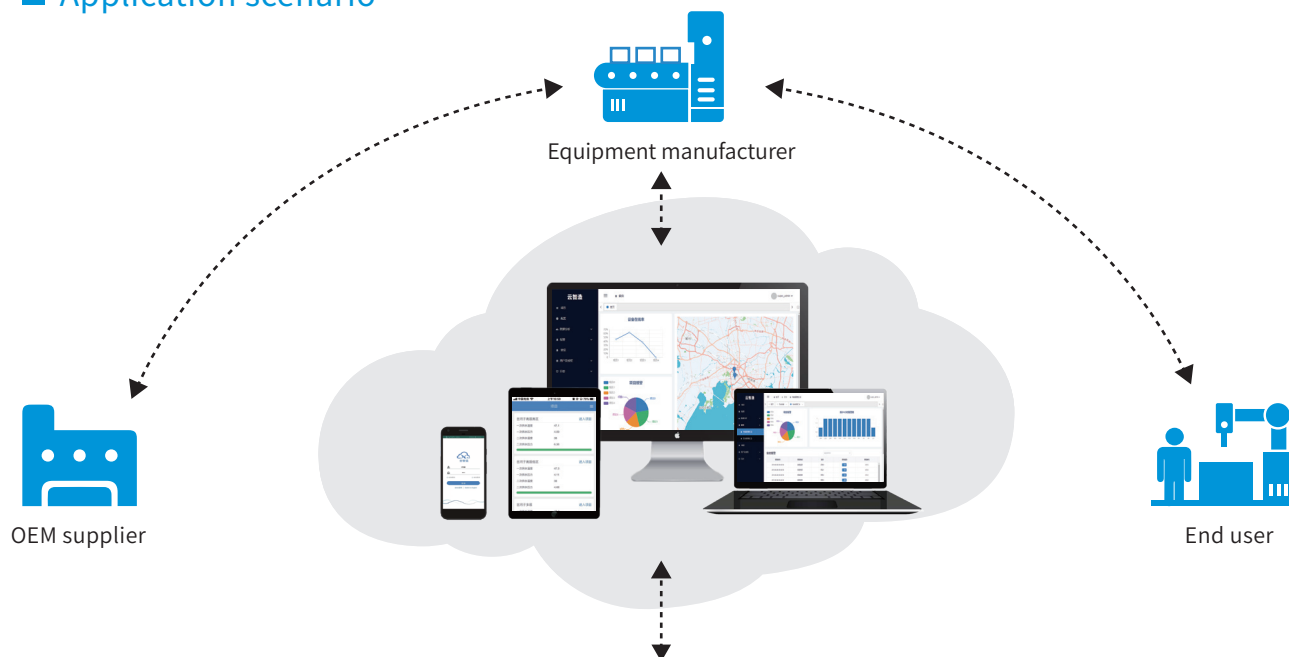
Industrial informatization solutions

Xinje Cloud is an industry application platform for remote data acquisition based on years of deep cultivation in the industry and extensive product applications. Its functions include: device access, device management, data storage, graphic configuration, data display, data analysis, user management and other parts. It supports the simultaneous monitoring of PC and mobile app.

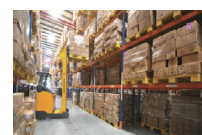
The platform is free of programming and software installation. Without professional skills, it can quickly realize the connection between products and systems and create an exclusive IOT platform. At any time, the remote data monitoring, parameter setting and function control of the equipment can be realized through web and app.



Application scenario



Smart agriculture



Warehousing logistics



Energy management



Animal husbandry



Smart home



Manufacturing



Equipment fault remote diagnosis and real-time monitoring



After sales reliability maintenance of equipment, such as after-sales maintenance of air compressor



Ensure the authenticity of test and detection equipment data, such as lithium battery test



Smart city construction, such as sewage treatment, waste recycling, cold storage



Smart agriculture, smart home, smart RV and other industries

Cloud V4.2.6

Overall upgrade | New functions | New experience



Remote VNC Function

Cloud-screen synchronization, enabling flexible and efficient remote control.



Alarm push

Supports SMS alarm push, app push, official account push.



Maintenance work order

Work order creation and distribution, closed-loop management of equipment operation and maintenance.



Data Analysis

Historical data, report analysis, customizable tables.



Permission management

User management, multi-level permission assignment.



Integration with Third-Party Systems

Provides interfaces for HTTP, MQTT, and other protocols, supports integration with MES, ERP, and other systems.



Cloud recipe distribution

Recipe customization, multiple methods of remote distribution.



Staging management

Staging tasks, machine locking upon expiration, convenient management.



SIM Card Management

Centralized management of IoT cards, convenient query/recharge/invoicing.



Personalized Customization

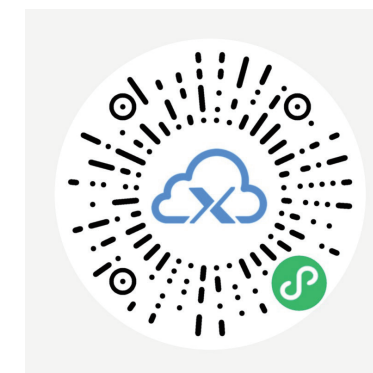
Supports local deployment of cloud platform, provides customized services.

Multiple login methods for quick registration

Add Wechat applet Cloud or scan the QR code below

Focus on Wechat official account, click Cloud menu, download app according to mobile phone system.

The PC side accesses the website <http://cloud.xinje.net/> through the browser, enters the login interface, and quickly registers through the mobile phone number to log in the Cloud platform.

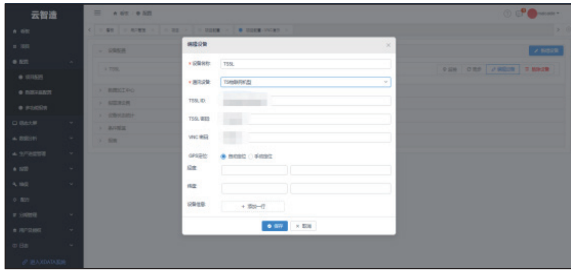


Cloud V4.2.6

■ TS5 system HMI access

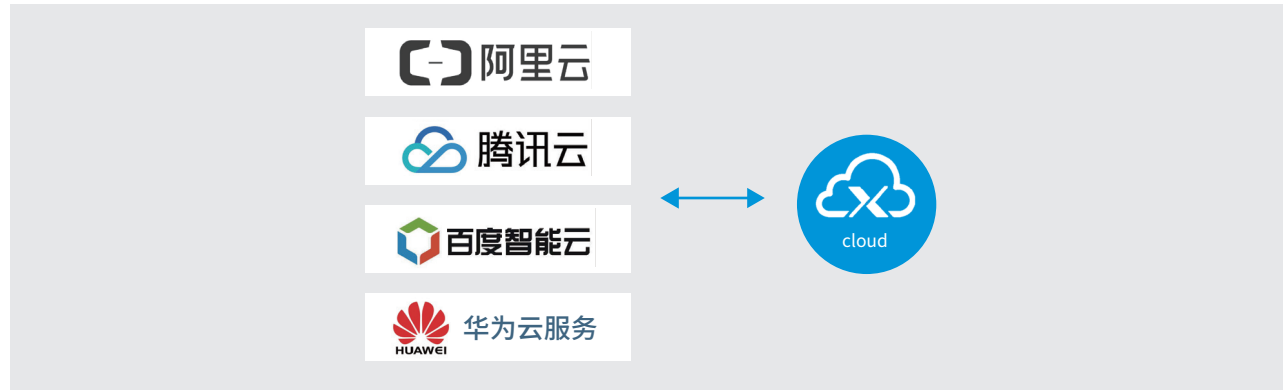
VNC Cloud and HMI synchronization control

TS5 IoT model is added to the platform access equipment, which supports VNC remote control, cloud HMI synchronization, and more flexible control.



Server deployment

The Xinje Cloud local inheritance deployment supports self-built servers and public cloud deployment. Cloud can be ported to the client's own server, we can provide customized services. Customers can build their own servers or rent third-party servers such as Alibaba cloud, Tencent cloud and Huawei cloud.



Self-built server:users need to build their own computer room, network deployment and purchase server hardware. Xinje does not provide hardware purchase, hardware installation or debugging services.The reference configuration of Xinje cloud deployment environment is shown in the following table:

Self-built server	
CPU	Intel E5 and up
Memory	8GB
Hard disk	500GB
Bandwidth	Fixed IP bandwidth 10M and up
System environment	Windows Server 2016 and above

Public cloud deployment: 188.take Alibaba cloud server as an example. It is connected to about 200 devices. The recommended configurations are as follows:

Public cloud deployment	
CPU	4-core
Memory	8GB
Hard disk	500GB
Bandwidth	5M
System environment	Windows Server 2016 and above

XDATA

“Data-Chart” Interconnection, Empowering Intelligent Manufacturing

What is XDATA?

XDATA (xdata.xinje.net) is a quick BI and data visualization tool platform launched by Xinje. It adopts BS architecture and is committed to solving the problems of data BI analysis and visualization on large screen and liberating the development manpower of data visualization system.

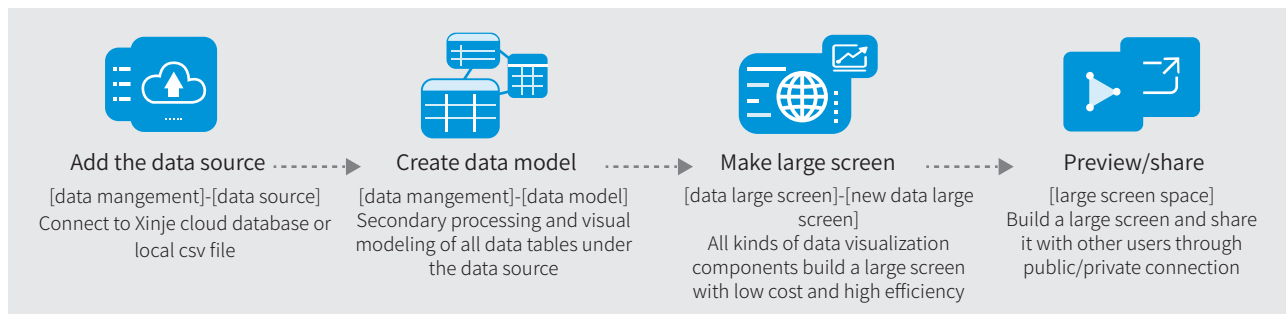
Data visualization through XDATA is more convenient and fast. Users don't need any programming foundation. They just need to drag and drop, which saves a lot of programming work.



| Advantages of XDATA

- Direct data source**
Support direct connection Xinje SQL to get cloud data, uploading local Excel/csv file or connect the data through API. It can complete multi-source interaction analysis.
- Rich charts**
Provide 30 + Echarts visualization charts based on Xinje cloud and 10 + filtering components, support professional GIS visualization and custom icon effects, and fully meet your diversified visualization needs.
- Drag and drop editing**
Use the visual editor, what you see is what you get, drag and drop to generate a visual page, so that you can easily edit without writing code.
- Cool big screen**
We integrate BI report and large screen functions, and provide multiple sets of cool large screen templates, guiding users to quickly build an intelligent data dashboard.
- BI self service analysis**
Both the report and the large screen support data table modeling, dragging fields to bind data, as well as flexible interaction such as filtering, drilling and linkage, so that you can easily conduct in-depth data mining.
- Authority control**
Enterprise organization level management, including project space isolation, role and user-based authorization mechanism, flexible setting of resource operation authority and data authority, so as to fully ensure your data security.

| How to use XDATA



A-BOX series

ALL in one

Full coverage of 4G, WIFI, Ethernet, Powerful functions



| Function features

Various Internet access modes



Support 4G, WIFI, Ethernet modes to access Internet. It is equipped with 4G routing function, supports WiFi, Ethernet port equipment to access the Internet.

Support Remote Transparent Transmission & Data Monitoring



In the remote transparent transmission mode, it supports the function of upload/download programs for PLC, HMI and other devices. In the data monitoring mode, it supports more devices to access the cloud platform to realize data remote monitoring.

Stronger compatibility and support multiple device access



Support Siemens, Mitsubishi, Omron and other mainstream brands PLC. Support industrial control equipment to access through serial port, Ethernet port and USB port to realize networking communication between various devices. Support multiple serial communication modes: RS232, RS485, RS422. Support MQTT, OPC DA, Modbus TCP Server, etc.

Humanized design, easy to use



Long lasting online, with disconnection redial and watchdog functions. Support GPS and base station assisted positioning. Support Modbus-TCP Server, easy to be networking. Support two-way read-write function and machine locking function. Support MQTT protocol and message caching function.

| Application scenario



After sales service of remote equipment



HVAC refrigeration



Manufacturing



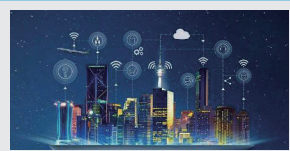
Warehousing logistics



Smart agriculture, breeding



Sewage disposal



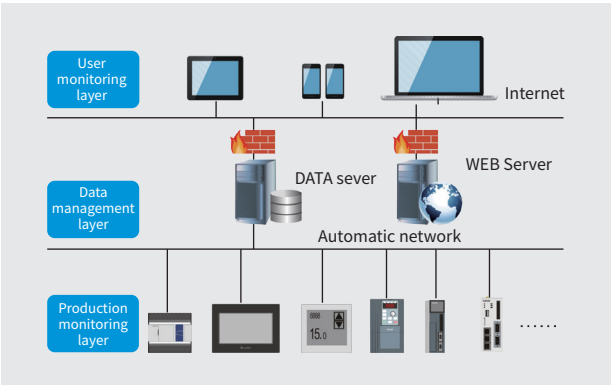
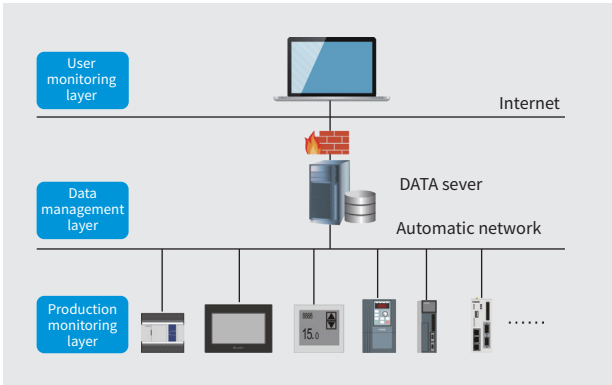
Smart building



Power monitoring

| Network topology

■ Achieve remote monitoring and program upload/download for controllers via ABOX

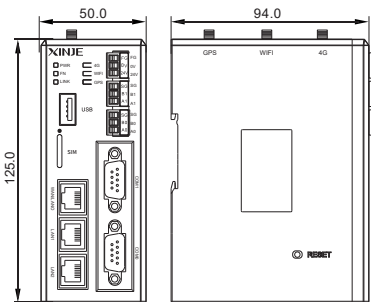


| Specifications

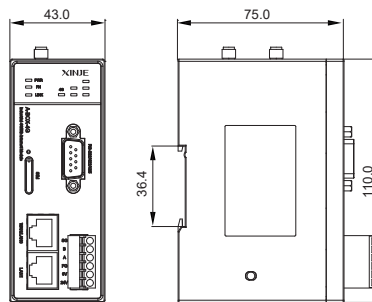
Model	A-BOX	A-BOX-U	A-BOX-4G	A-BOX-W
COU	MT7628			
FLASH	16MB SPIF FLASH			
RAM	128MB			
Working voltage	DC2V, allowed range is DC21.6V~26.4V			
Installation method	Standard guide rail installation			
4G module	EC20-CE		EC200N-CN	
4G operating frequency band	GSM/GPRS:900,1800MHz EDGE:900,1800MHz UMTS:CDMA2000 (B0) 、WCDMA (B1, B8) 、TD-SCDMA (B34, B39) LTE:FDD (B1, B3, B8) TDD (B38, B39, B40, B41) GNSS:GPS, GLONASS			
WIFI operating frequency band	2.4GHz		2.4GHz	
Ethernet	Three 10/100M adaptive ports		Two 10/100M adaptive ports	
COM port	COM0:RS232/RS485 COM1:RS232/RS485/RS422		COM:RS232/RS485/RS422	
USB port	USB Host interface			
Internet access mode	4G/WIFI/Eth	4G/WIFI/Eth	4G/Eth	WIFI/Eth
Serial port transparent transmission	✓	✓	✓	✓
Ethernet port transparent transmission	✓	✓	✓	✓
USB transparent transmission	--	✓	--	--
GPS positioning	✓	✓	--	--
Data monitoring	✓	✓	✓	✓

| Dimension (Unit: mm)

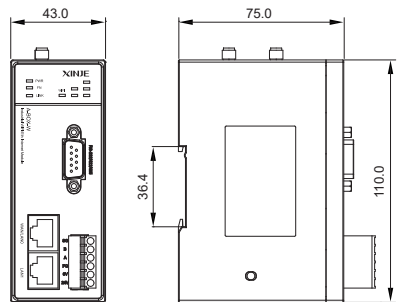
A-BOX (-U)



A-BOX-4G



A-BOX-W



S-BOX-HT

Protocol free, ultra short distance transmission

The S-BOX-HT series wireless transparent transmission module is a short-range wireless communication module based on wireless RF technology. The equipment data is transmitted transparently and supports the controller brands including Xinje, Delta, Mitsubishi, Omron, PPanasonic etc. It is widely used in field equipment networking communication and wireless HMI communication to realize short-distance wireless communication of automation system. The supporting wireless HMI model is MTG765-HT.



Support equipment

XINJE

MITSUBISHI ELECTRIC

OMRON
欧姆龙

DELTA 台达
中达电通股份有限公司

Panasonic

FATEK®

Product features

Carrier frequency rang

The radio frequency module S-BOX-HI is based on 433MHz Carrier Frequency Band, and the farthest communication distance can reach 2km

Rich interface modes

Support RS232, RS485, RS422, can connect various brands of PLC

Multi-channel optional

84 channels are available, which can be adjusted by users according to the actual situation on site

Communication parameters

Serial port parameters can be set according to different PLC

Multi-section adjustable speed

In order to meet the needs of on-site transmission distance, the air rate (4800~62500bps) can be adjusted conveniently through external dialing

I/O mode

Short distance calling and answering can be realized through I/O mode

Application scenario



Container information management



Wireless meter reading, wireless sensor



Power high temperature and high voltage monitoring



Automatic data acquisition



Industrial control, telemetry, remote sensing



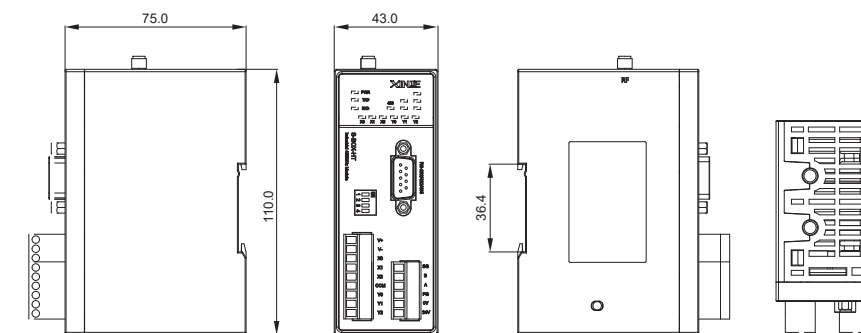
POS system, asset management



Building community automation and security

Dimension (Unit: mm)

S-BOX-HT



IOT card

IOT card is a special flow card provided by telecom operators for the Internet of things. It adopts the special signal segment and special network element equipment of the Internet of things, which has the characteristics of safer and more efficient communication.

Xinje IOT card is applicable to all Xinje gateway products of 4G communication. It can provide functions such as querying the binding information of IOT card serial number, IOT card renewal, traffic usage, order invoicing and so on.



Product features



Basic service

IOT card supports China mobile, China telecom and China unicom telecom operators, and the basic traffic package is 2G/12G every year



Exclusive card number

Click on a single device and the SIM card information of a single device will be displayed. The card does not belong to Xinje account name cannot be queried



Flow alarm

The threshold of flow can be set. When the remaining flow drops to the threshold, an alarm can be sent through SMS or software



Renewal query

When the balance in the card is insufficient, you can recharge/renew it, with a variety of plans to choose from.



Invoice center

Users can query the recharge status of the card in the management tool and issue invoices



Batch query

Users can check the binding relationship between the gateway and the card number/ICCID, card status, network status and flow usage on the SIM card management page



Machine card binding, directional IP

When the card is inserted and activated, it can be bound with the equipment. Replace the equipment and stop the card to ensure the safety of the equipment. Exclusive orientation, access to Xinje server only



Scope of use

Go through in China, please consult us for other regions

Application scenario



Sewage disposal



Smart agriculture



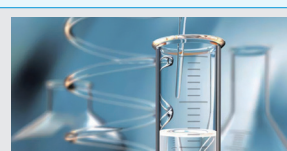
Remote meter reading



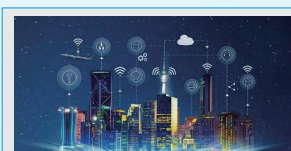
Sluice management



Equipment positioning



Water quality monitoring



Smart city

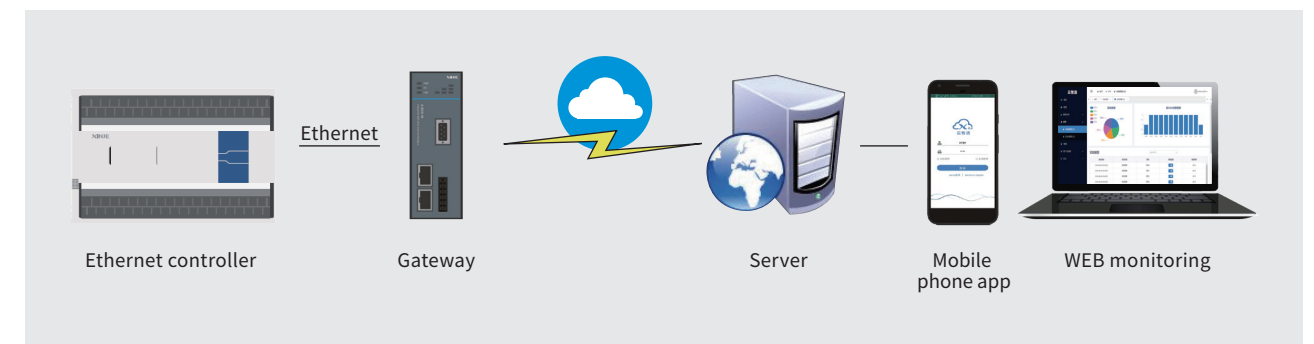


Mechanical heavy industry IoT

Distributed multi-site operation and maintenance solution

Traditional distributed site operation and maintenance commonly faces problems such as difficult equipment management, high reliance on personnel, and data silos., Xinje combined with modern sensing technology, automatic control technology, network transmission technology, data information and so on, launched a multi-site operation and maintenance solution. The solution integrates data acquisition, remote monitoring, intelligent alarms, equipment control, operation and maintenance management, data traceability, and BI analysis into a centralized management system. This effectively achieves the core objectives of unattended operation and cost reduction with increased efficiency.

Currently, the solution has been widely applied in multiple fields such as, smart agriculture, breeding and animal husbandry, water valve monitoring, fog pile monitoring, salt farm management, HVAC station management, etc.



Xinje Cloud application



Multiple background variables

The same screen can be used for the control of multiple stations to reduce the difficulty and workload of screen structure. All field devices can be listed on the left and click switch to view the status of each station.



Combined control

Combined with the operation habits of on-site users, it provides the function of secondary structure screen, and implements the combined control of remote operation and local operation. It is simple and easy to understand, and the operators can learn it as soon as they learn. There is no hardware conflict between local and remote.



Multi-screen monitoring

On the same page, the on-site operation environment of multiple stations can be monitored at the same time through the SCADA and camera.



Intelligent early warning

Real time monitor the key indicators. Abnormal alarm has alarm prompts of web page voice, mobile phone messages, WeChat official account and so on. Remote operation of equipment and remote reset can be done.



Multilevel management

Realize the distribution management of equipment by region or personnel, and realize the management stations of mobile phone, computer and applet.



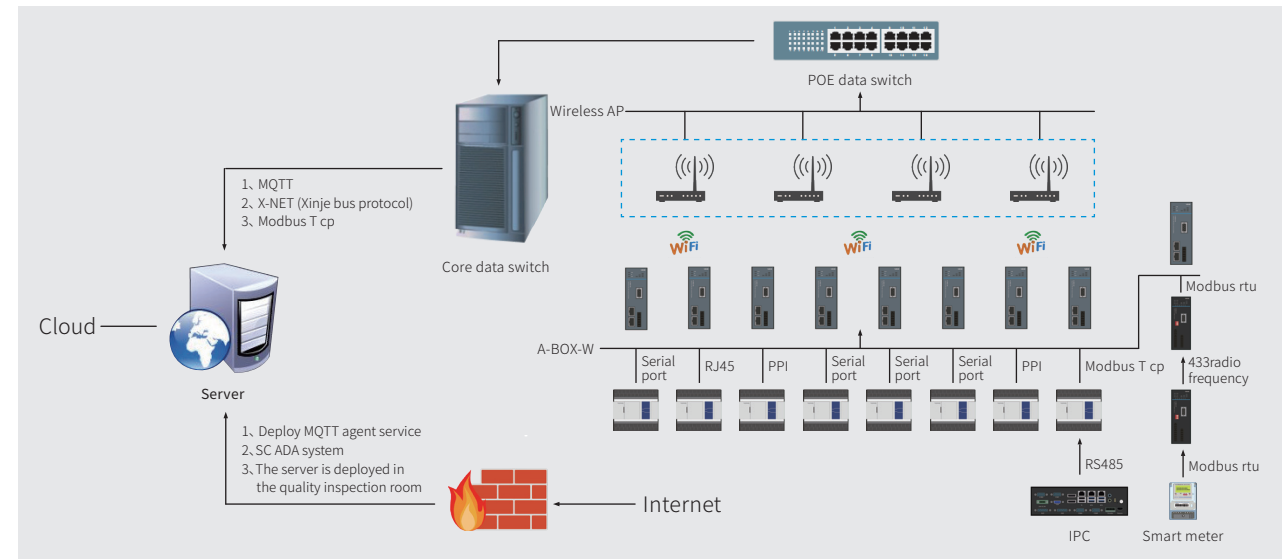
Standard protocol

It can provide the third party with data of equipment operation, maintenance, processing results and so on, including on-site collected data,



Workshop multi-equipment centralized operation and maintenance management scheme

Precisely associate devices with specific production lines, and the system automatically counts device data per line. Accurately track and compare the output data of each line, integrate equipment and production performance, and identify high-efficiency, high-quality production lines to support lean management.



| Xinje Cloud application

 Device management

Precisely associate devices with specific production lines, and the system automatically counts device data per line. Accurately track and compare the output data of each line, integrate equipment and production performance, and identify high-efficiency, high-quality production lines to support lean management.

 Production Capacity Analysis

Create, edit, and save project tasks. Subsequently, based on custom distribution conditions, distribute the projects to machines and save key information.

Operation and Maintenance Management

Create and maintain equipment maintenance plans. Generate repair work orders upon failure, track the entire handling process, forming a traceable closed loop.

 Task Dispatch

Support the creation, editing, and storage of project tasks. Users can preset dispatch rules, and the system automatically dispatches tasks as work orders to specified devices, recording key process data for later traceability.

 Data monitoring

Customize data dashboards, integrate with real-time video, achieving centralized monitoring and flexible presentation of various production line equipment status.

Alarm Records

Immediate fault alarms, automatic data recording, in-depth analysis of downtime causes, precise bottleneck identification, building an improvement loop from passive response to active optimization.



04 Servo System

DS6 High-performance Servo | DS5□2 General-purpose Servo
DM6C Multi-axis Servo Drive | DL6 Direct-drive Servo
iMF5N Integrated Low-voltage Servo Drive | MS6 Motor

