

TS series high performance HMI

Linux system and efficient A7 processor are adopted
Smoother man-machine experience



TS5 series IOT HMI

TS3 series standard HMI

High Performance Processor

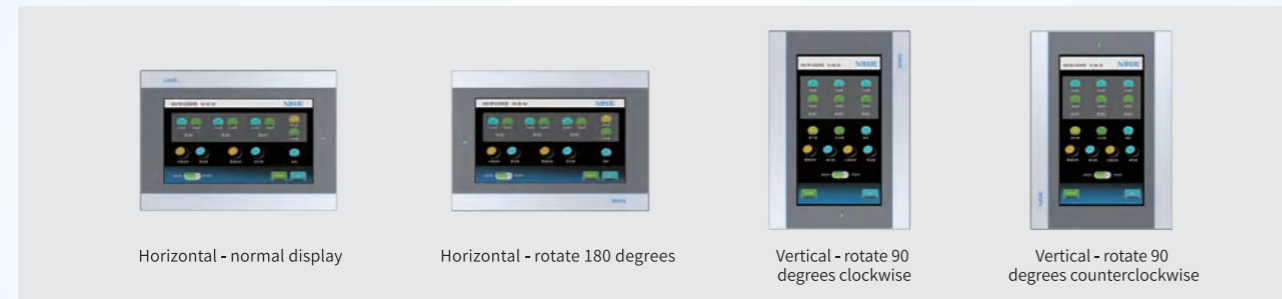
ARM Cortex-A7 processor is adopted, with main frequency of 1GHz, built-in 128MB memory and expandable flash disk storage.

High Efficiency System

Based on the Linux system, the multi-task processing mechanism greatly improves the system response speed and makes the operation more efficient and fast.

Multidirectional Installation

It supports free installation in four directions, which can meet the needs of different occasions.



Rich Device Connectivity



Standard HMI

TS3 series 10.1" 7"

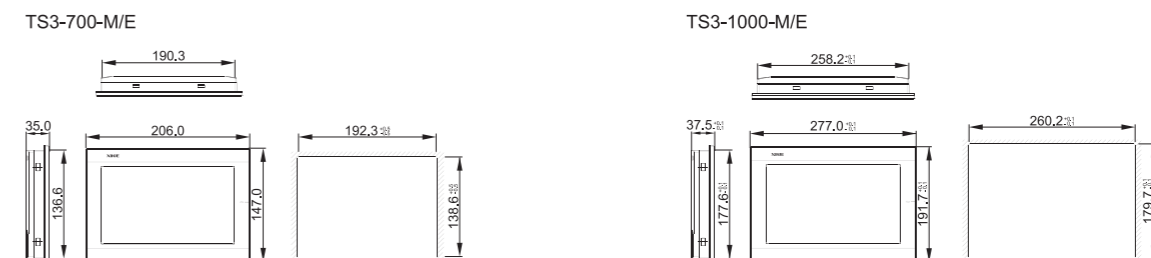
- Cortex-A7 processor is adopted, with main frequency of 1GHz and built-in 128MB memory
- Rich functions, suitable for a variety of occasions
- It has stronger tightness and better protection against dust, water vapor and scrap
- The product structure conforms to the lightweight design, which is light and slim
- The new touchWin Pro software is fully upgraded



Product specification

| Product model | | TS3-700-M | TS3-700-E | TS3-1000-M | TS3-1000-E |
|---------------------|---------------------------------------|---|-------------------|------------------|---------------|
| Product features | Dimension | 7" | | 10.1" | |
| | Type | 16.77 million colors | | | |
| | Resolution | 800*480 | | 1024*600 | |
| | Brightness | 200 cd/m ² | | | |
| | Touch panel | Four-wire resistive touch panel | | | |
| | Service life | Above 50000 hours, ambient temperature 25°C, 24 hours operation | | | |
| Interface | Processor | Cortex-A7 1GHz | | | |
| | Memory | 128MB | | | |
| | COM1 port | RS232/RS485 | | | |
| | COM2 port | RS232/RS485/RS422 | | | |
| Electrical features | Ethernet port | / | Standard RJ45 | / | Standard RJ45 |
| | USB-A port | Flash disk port, USB2.0 standard | | | |
| | USB-B port | USB download port, USB2.0 standard | | | |
| | Input voltage | DC24V (voltage range: DC22~DC26V) | | | |
| Environment | Power | 5W | | 8W | |
| | 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 | Above DC500V, 10MΩ (signal and ground) | | | |
| Structure | Operation temperature | 0-50°C | | | |
| | Storage temperature | -20-60°C | | | |
| | Ambient humidity | 10%RH-90%RH (no condensation) | | | |
| | Vibration resistance | 10~25Hz (X, Y, Z direction each 30 minutes 2G) | | | |
| | 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 | | | | |
| | 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) | | |

Appearance dimension drawing (Unit: mm)



IOT HMI

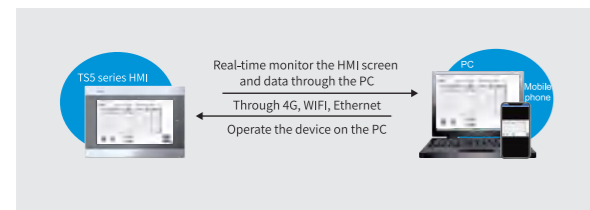
TS5 series 10.1" 7"

- Remote functions: remote desktop (PC remote control HMI real-time screen), remote transparent transmission (remote upload/download PLC program), remote download (updating HMI program)
- It supports audio output and can output various audio through external speakers
- Cover mainstream information interaction protocols and support MQTT/TCP IP
- Standard network port, optional WIFI/4G module, networking through WIFI or 4G
- Edge calculation is conducive to data analysis and statistics



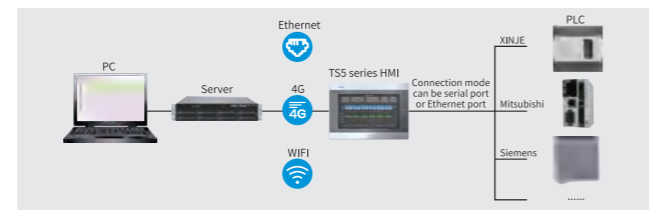
Remote Desktop

That is, VNC function, which supports PC or mobile synchronizing the screen and data of the HMI. It can monitor the HMI screen in real time and remotely control the touch screen without arriving at the site.



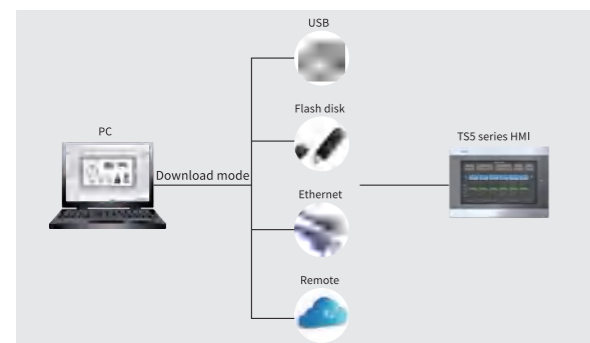
Remote Transparent Transmission

It supports remote uploading and downloading PLC program, which solves the trouble of no download cable and insufficient interface. The program can be downloaded to PLC through 4G or WIFI module.

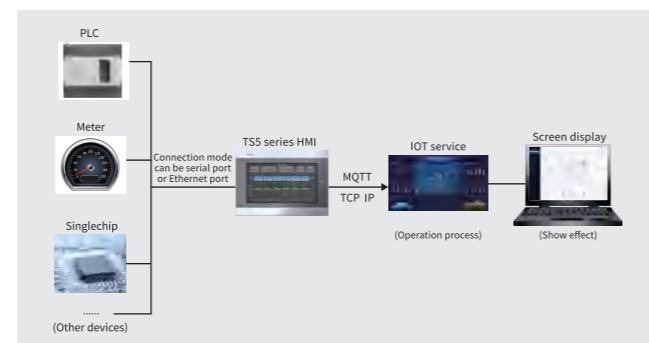


Download Programs in Multiple Ways

Support flash disk, LAN or remote upload/download HMI program.



Covering mainstream information exchange protocols, support MQTT/TCP IP.



Optional WIFI/4G Communication Expansion Board

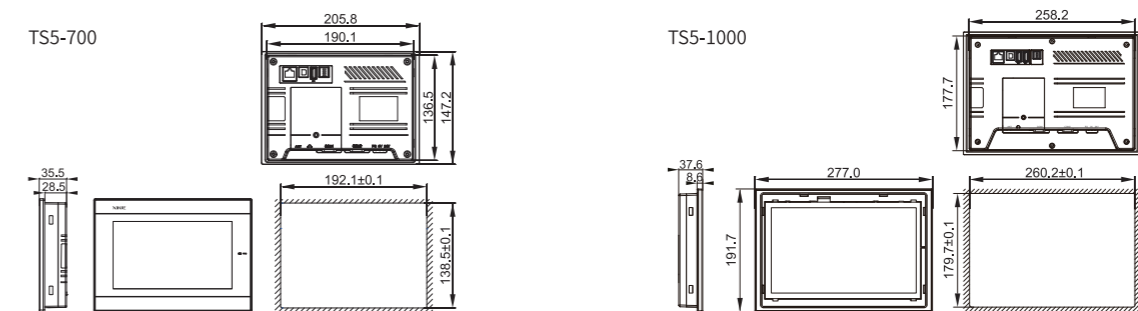
The HMI is equipped with a standard network port and supports WIFI/4G communication expansion board. It is integrated with TS5L and does not occupy excess space. 4G or WIFI communication expansion board can be switched freely according to the use occasion.



Product specification

| Product model | | TS5-700 | TS5-1000 |
|---------------------|---------------------------------------|---|-------------------|
| Product features | Size | 7" | 10.1" |
| | Type | 16.77 million colors | |
| | Resolution | 800*480 | 1024*600 |
| | Brightness | 200 cd/m ² | |
| | Touch panel | Four-wire resistive touch panel | |
| | Service life | Above 50000 hours, ambient temperature 25°C, 24 hours operation | |
| Interface | Processor | Cortex-A7 1GHz | |
| | Memory | 128MB | |
| | COM1 port | RS232/RS485 | |
| | COM2 port | RS232/RS485/RS422 | |
| | Ethernet port | Standard RJ45, 10/100M | |
| | USB-A port | Flash disk port, USB2.0 standard | |
| | 4G | Optional | |
| Electrical features | WIFI | Optional | |
| | Input voltage | DC24V (voltage range: DC22~DC26V) | |
| | Power | 5W | 8W |
| | 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) | |
| | Vibration resistance | 10~25Hz (X, Y, Z direction each 30 minutes 2G) | |
| | 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 | External dimension (mm) | 205.8*147.2*35.5 |
| Opening size (mm) | | 192.1*138.5(±0.1) | 260.2*179.7(±0.1) |

Appearance dimension drawing (Unit: mm)

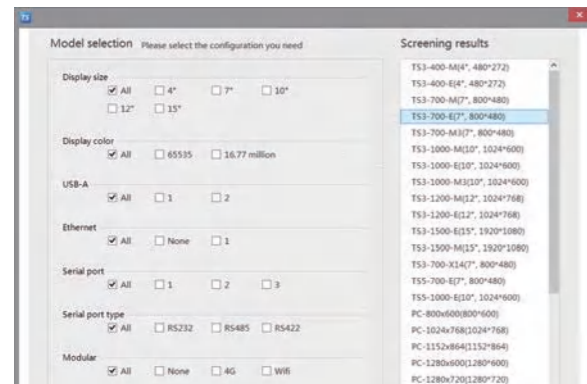


TouchWin Pro software



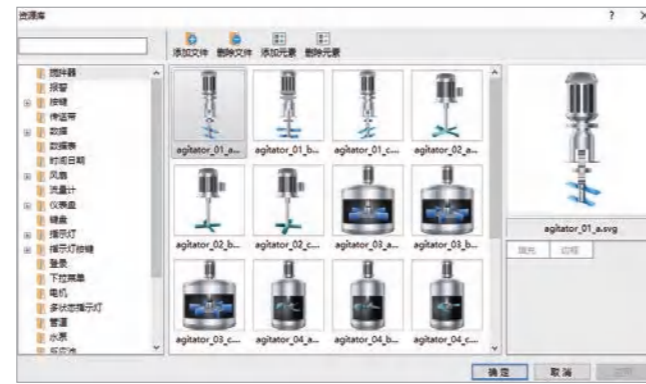
Built-in Model Selection Function

The software has built-in model selection function, which can quickly match the required product model according to your requirements.



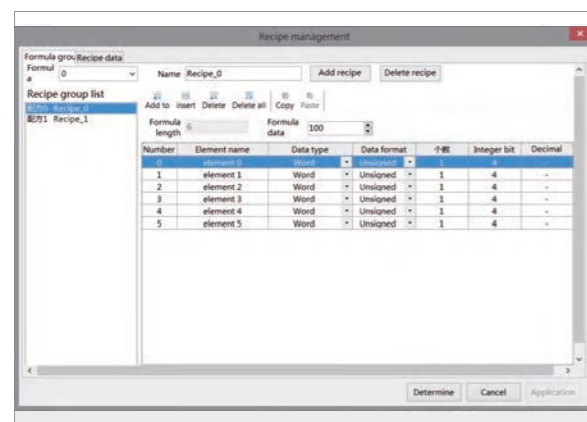
Rich Material Library

The newly designed material library has a variety of materials to choose from, and pictures can be found through color, shape and so on.



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.



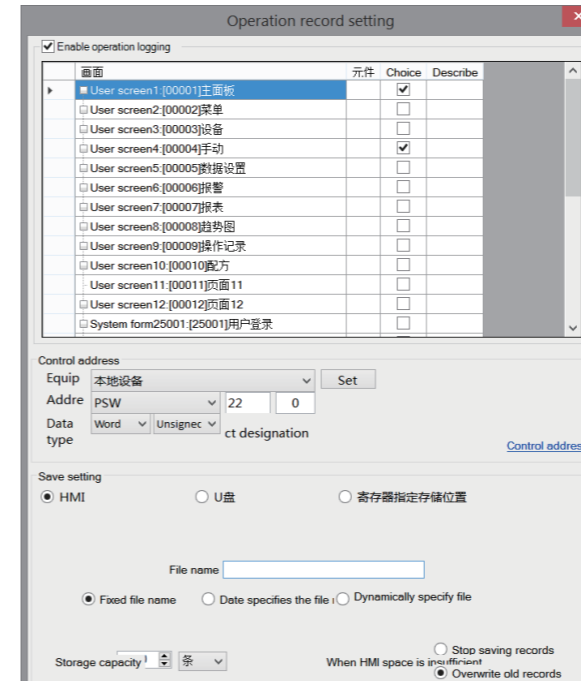
Detailed Report Management

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.



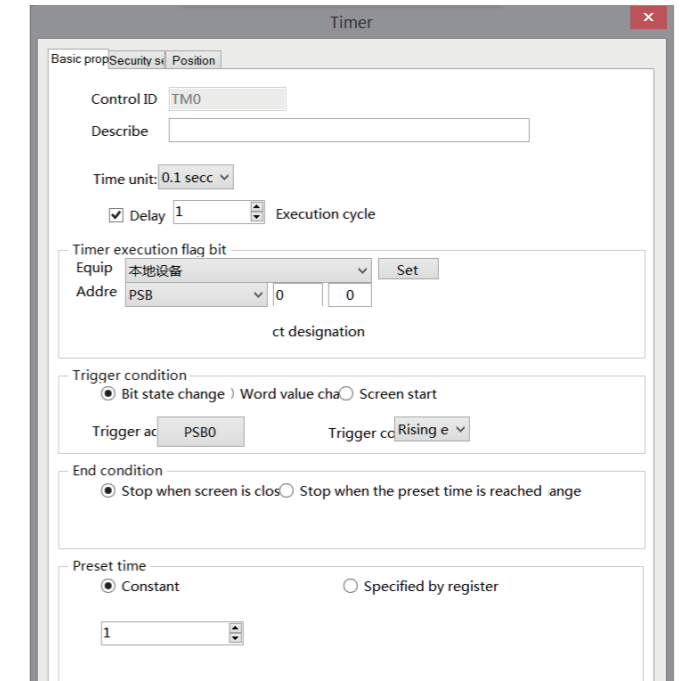
Traceable Operation Records

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



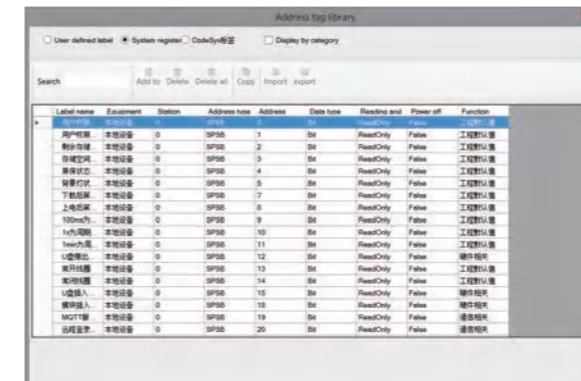
Schedule

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



Address Label Library

The text, address and equipment in the program shall be uniformly managed to facilitate searching and checking.



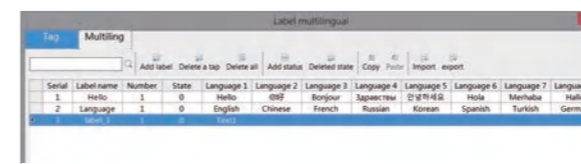
Multiple Encryption Methods

A variety of encryption methods, including delay, interlock, user level and installment payment.



Multilingual Management

It supports up to 8 languages and is more convenient to use through multi-language label library management.



Support C Language Programming

Support C language function block, which are simple, fast and easy to learn, and support online debugging.

TG series general HMI

3.7-15.6 inches full coverage, 13 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

- TG(P) Site environment with heavy oil pollution
- TGM(D) Site environment with severe temperature requirements



Suitable for special occasions

- TGM(B) Vehicle, medical, testing
- CCSG Special for marine ships
- TGM(L) Outdoor occasions



Suitable for network demand occasions

- TGM Ethernet communication



Suitable for basic occasions

- TG(S/G)-XT Cost effective
- OP key type operate panel



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



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 |
|--|-----------------------------|-------------------------|-------------------------------|--|

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

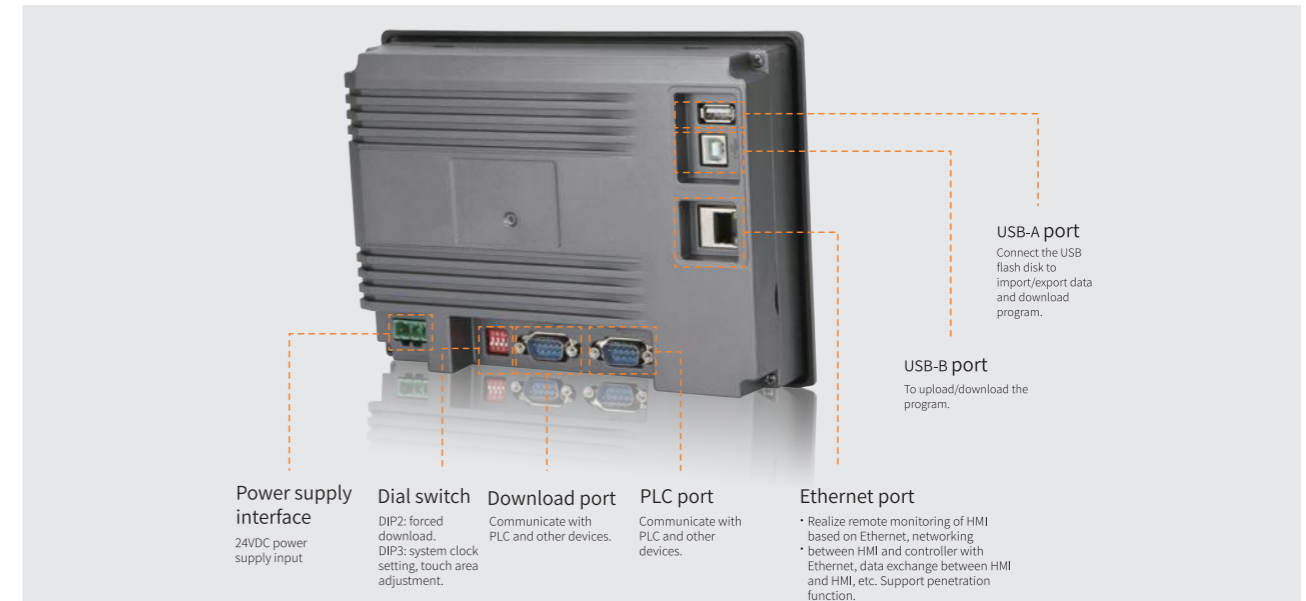
Smoother screen switching and animation effect

Flexible installation and free choice

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

Excellent performance

Rich interface and powerful communication capability



Flexible connection and support communication of multiple devices

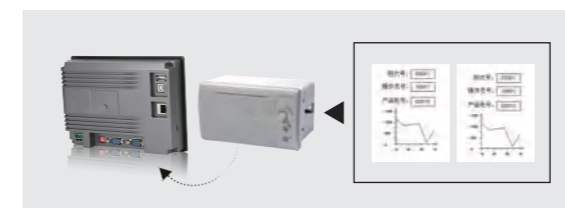
Flexible connectivity, direct communication with multiple devices

- It can be directly connected with PLC of various mainstream brands such as Mitsubishi, Siemens, Omron and Schneider, and communicate with various frequency converters and controllers such as Mitsubishi, Delta and Inovance.
- It supports communication with standard Modbus protocol controllers, and can connect multiple controllers supporting Modbus protocol at the same communication port, such as PLC, frequency converter, servo driver, instrument, etc.
- Support free protocol communication, and realize free communication of various instruments by flexible programming in C language.



Support micro printer

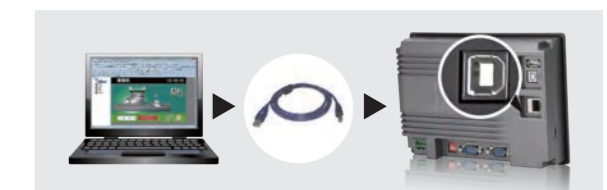
- The download port can directly drive the micro printer, panel printer and thermal printer with RS232 interface, so as to realize the real-time printing of engineering data and acquisition curve.



Rich download methods

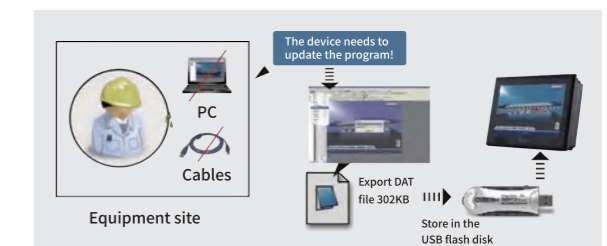
Program download based on USB-B interface

- USB-B interface complies with USB2.0 standard interface, connect the computer with the USB-B port for high-speed data transmission and picture download through the USB communication cable, greatly shorten the download time and make it more convenient for users to debug the program.



Use USB flash disk to quickly import the program through USB-A interface

- TG series models equipped with USB-A interface can directly download the program to HMI without computer but through USB flash disk. The download process is simple and fast, which is conducive to the confidentiality of the program. It is applicable to the situation that the program needs to be upgraded but there is no computer or download cable, saving time and cost.

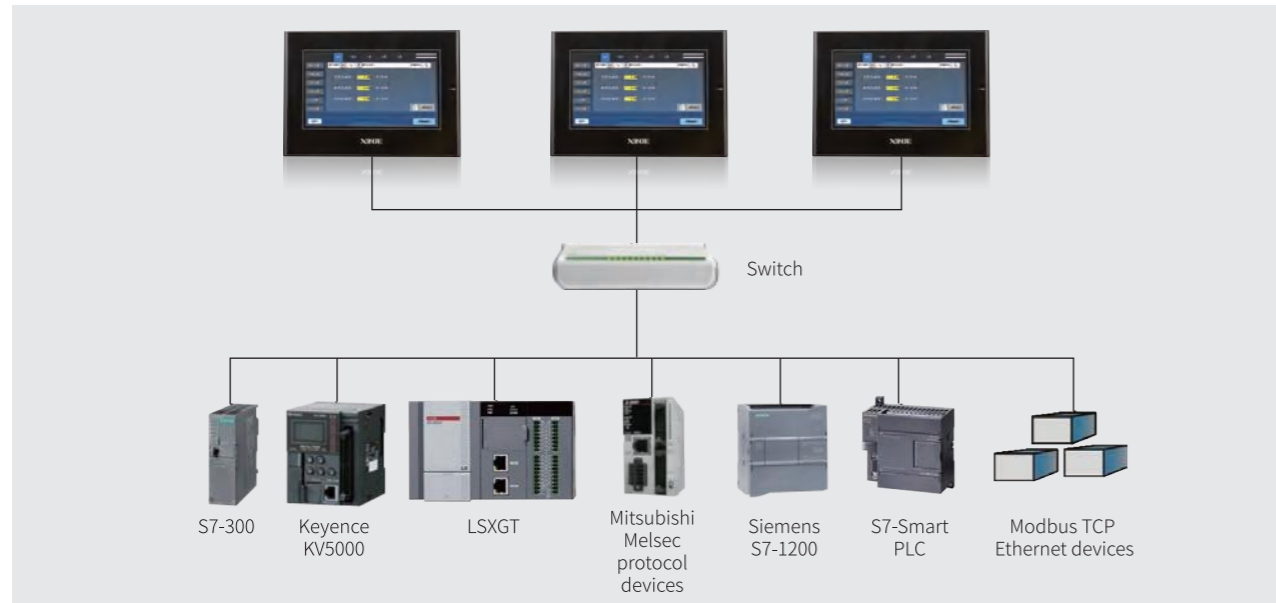


Excellent performance

From independent stand-alone to network communication, multiple networking mode

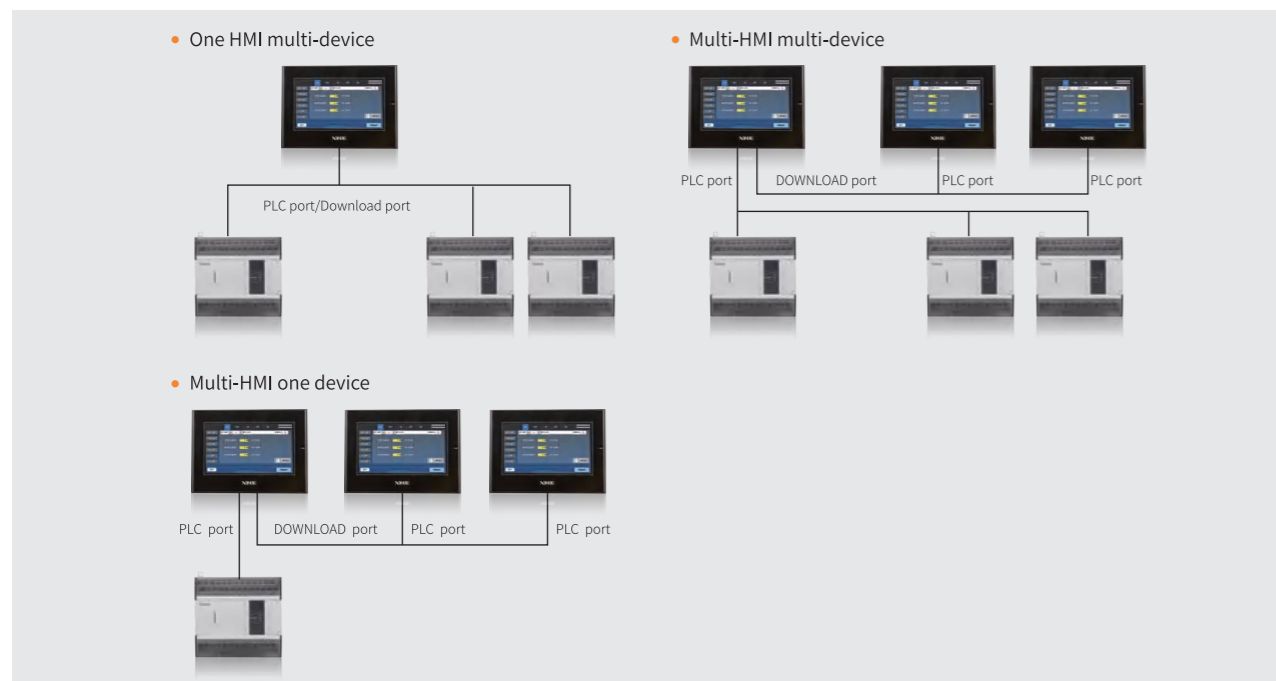
Support Ethernet communication, improve communication speed, suitable for complex field environment

- Standard RJ45 Ethernet port
- It can form an open network structure with Modbus TCP devices, Siemens S7-1200, S7-300, Mitsubishi Melsec series, Keyence KV5000, LSXGT, Omron Fins TCP series and A-BOX-U.



Various networking modes

- It can be networked according to the traditional master-slave mode or through X-NET bus.



Wide temperature metal HMI

TGM (D) series 10.1" 7"

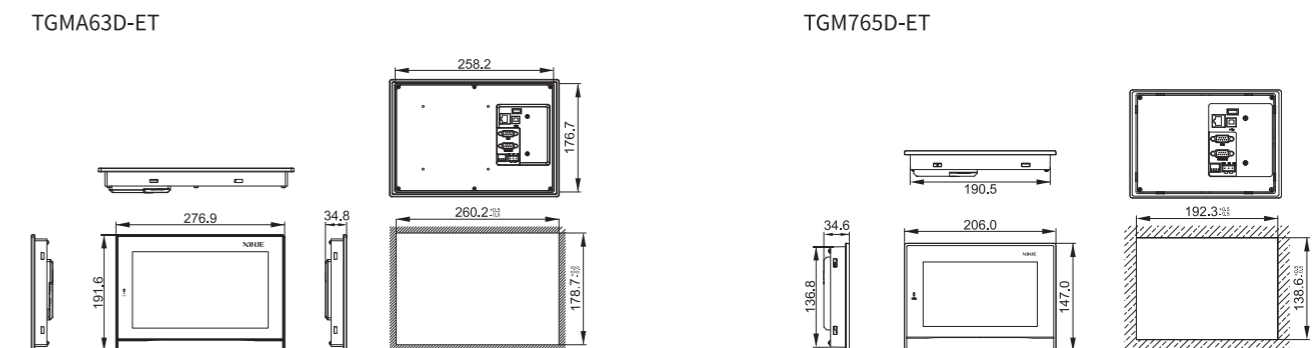
- New appearance and structure design, centralized interface
- Ultra thin body
- The metal cover of the whole machine greatly improves the anti-interference and heat dissipation
- The temperature range is -20°C~70°C, suitable for the site environment with high temperature requirements
- More industrial 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/m ² | |
| | 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 | |
| | Ethernet port | Standard RJ45 | |
| Electrical features | 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) | |
| | Insulation resistance | Above10MΩ, DC500V | |
| Environment | 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 |

Appearance dimension drawing (Unit: mm)



New appearance HMI

TG (G) series 10.1" 7" 4.3"

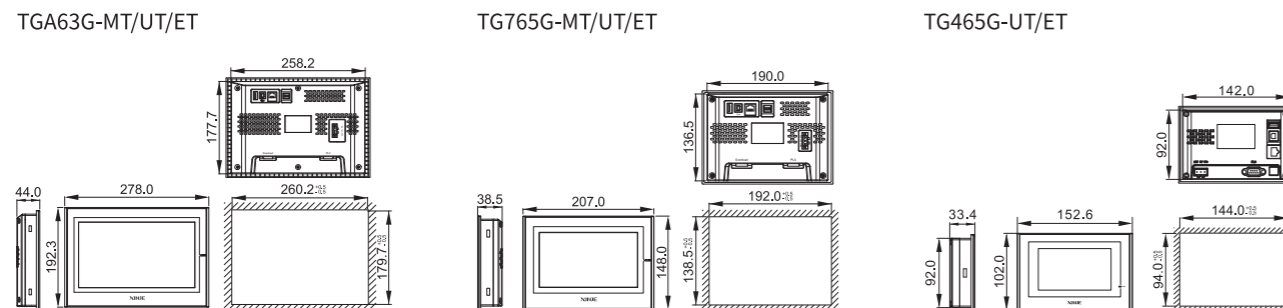
- The gray appearance design of the whole machine has strong visual impact
- Improved cover material, frosted texture
- The function and performance are the same to TG(S) series



Product specification

| Product model | | TGA63G-MT TGA63G-UT TGA63G-ET | TG765G-MT TG765G-UT TG765G-ET | TG465G-UT TG465G-ET |
|---------------------|---------------------------|--|-------------------------------------|---|
| Product features | Display size | 10.1" | 7" | 4.3" |
| | Resolution | 1024*600 | 800*480 | 480*272 |
| | LCD | TFT LCD display, LED backlight | | |
| | Display color | 16.77million colors | | |
| | Brightness | 200 cd/m ² | | |
| | 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) |
| | Download port | 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 |
| | 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*33.4 | 152.6*102.0*33.4 |
| | Opening size (mm) | 260.2*179.7 | 192.0*138.5 | 144.0*94.0 |

Appearance dimension drawing (Unit: mm)



Ultrathin type HMI

TG (S) series 10.1" 7"

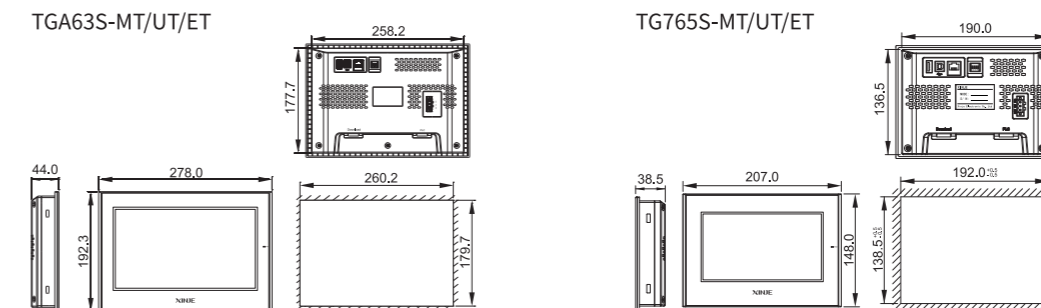
- Ultrathin and fashionable appearance design, 7" model thickness as low as 38.5mm
- The plastic cover made of PC and ABS alloy material (or flame retardant material) is more solid and durable
- Optimize the snap-fit design to effectively reduce the entry of external dust and oil stain
- The communication interface faces down to effectively save installation space



Product specification

| Product model | | TGA63S-MT TGA63S-UT TGA63S-ET | TG765S-MT TG765S-UT TG765S-ET |
|---------------------|---------------------------|--|-------------------------------------|
| Product features | Display size | 10.1" | 7" |
| | Resolution | 1024*600 | 800*480 |
| | LCD | TFT LCD display, LED backlight | |
| | Display color | 16.77 million colors | |
| | Brightness | 200 cd/m ² | |
| | 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 | |
| | Download port | 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 |
| | Allowable power loss | Below 10ms (actual power loss less than 1s) | |
| | Withstand voltage shock | Above AC1000V, 10mA, less than 1 minute | |
| Environment | Insulation resistance | 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 |
| | Opening size (mm) | 260.2*179.7 | 192.0*138.5 |

Appearance dimension drawing (Unit: mm)



Network type HMI

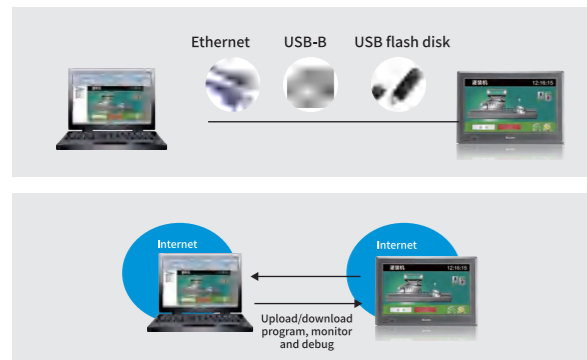
TGM series 15.6" 10.1" 8" 7" 4.3"

- With penetration function, can upload/download Xinje XD/XL/XG series PLC program through the HMI
- Support three download modes: Ethernet, USB-B, USB flash disk import program
- Ethernet port supports LAN and WAN connection, which is more convenient to use



Remote upload/download HMI program through Ethernet port

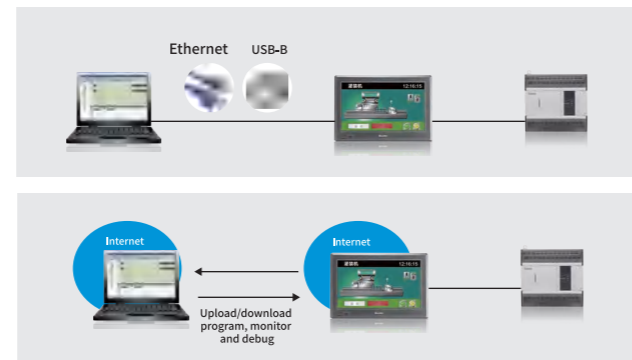
- TGM series HMI supports three download modes: Ethernet download, USB-B download, USB flash disk import. Ethernet download supports LAN and WAN, greatly improves the download speed and facilitates program debugging and later maintenance.



Penetration function

Support Ethernet communication, improve communication speed, suitable for complex field environment

- Xinje XG/XL/XD series PLC program can be downloaded/uploaded and monitored through the HMI. The connection method can be Ethernet or USB. Ethernet mode supports LAN and remote operation.

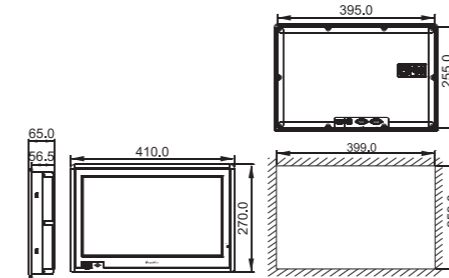


Product specification

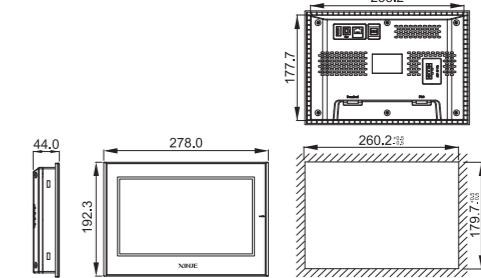
| Product model | | TGMC65-ET | TGMA63S-MT TGMA63S-ET | TGM865-ET | TGM765S-MT TGM765S-ET | TGM465-MT2 TGM465-ET |
|------------------|-------------------------------------|--|--------------------------|-----------|--------------------------|-------------------------|
| Product features | Display size | 15.6" | 10.1" | 8" | 7" | 4.3" |
| | Resolution | 1366*768 | 1024*600 | 800*600 | 800*480 | 480*272 |
| | LCD | TFT LCD display, LED backlight | | | | |
| | Display color | 16.77 million colors | | | | |
| | Brightness | 250 cd/m ² | 200 cd/m ² | | | |
| | Touch panel | Four-wire resistive touch screen | | | | |
| Interface | LCD life | Above 50000 hours, ambient temperature 25°C, 24-hour operation | | | | |
| | Memory | 128MB | | | | |
| | PLC port | RS232/RS422/RS485 | | | | |
| | Download port | RS232/RS485 (TGM465-ET no download port) | | | | |
| | USB-A port | USB flash disk port, USB2.0 standard | | | | |
| | USB-B port | USB download port, USB2.0 standard | | | | |
| Ethernet port | Standard RJ45, ET model can support | | | | | |

Appearance dimension drawing (Unit: mm)

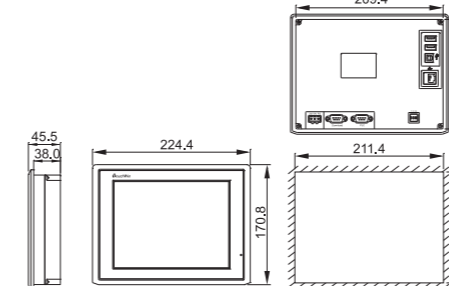
TGMC65-ET



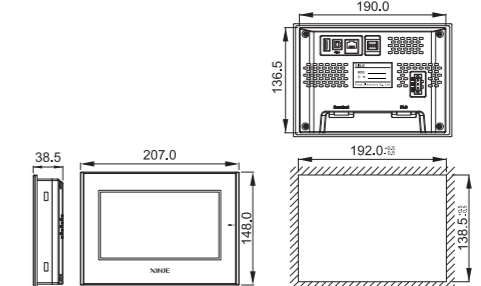
TGMA63S-MT/ET



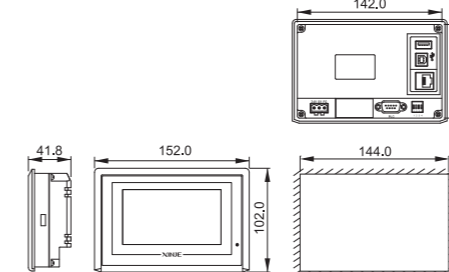
TGM865-ET



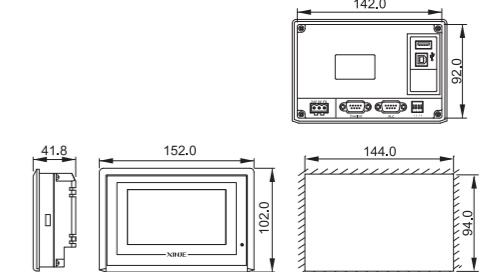
TGM765S-MT/ET



TGM465-ET



TGM465-MT2



Product specification

| Product model | | TGMC65-ET | TGMA63S-MT TGMA63S-ET | TGM865-ET | TGM765S-MT TGM765S-ET | TGM465-MT2 TGM465-ET |
|---------------------|---------------------------|--|--------------------------|------------------|--------------------------|-------------------------|
| Electrical features | Input voltage | DC24V (voltage range: DC22V~DC26V) | | | | |
| | Consumption current | 730mA | 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 | Above 10MΩ, 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 | | | | |
| Dimension | Protection level | Front cover IP65 | | | | |
| | External dimension (mm) | 410.0*270.0*65.0 | 278.0*192.3*44.0 | 224.4*170.8*45.5 | 207.0*148.0*38.5 | 152.0*102.0*41.8 |
| | Opening size (mm) | 399.0*259.0 | 260.2*179.7 | 211.4*157.8 | 192.0*138.5 | 144.0*94.0 |

General HMI

TG series 15.6" 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 (TGC65, TGA62 support)



■ USB-A front interface design, more convenient operation TGC65/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.

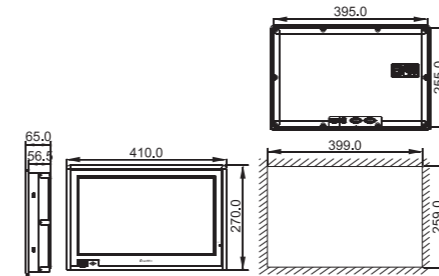


Product specification

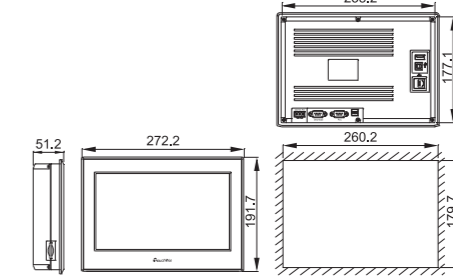
| Product model | TGC65-ET | TGA63-MT TGA63-UT TGA63-ET | TGA62-MT TGA62-ET | TG865-MT TG865-ET | TG765-MT TG765-UT TG765-ET | TG465-MT TG465-UT TG465-ET | TG465-MT2 TG465-UT2 TG465-XT |
|---------------------------|--|----------------------------------|----------------------|---|----------------------------------|----------------------------------|------------------------------------|
| Display size | 15.6" | 10.1" | 10.1" | 8" | 7" | 4.3" | |
| Resolution | 1366*768 | 1024*600 | 800*480 | 800*600 | 800*480 | 480*272 | |
| LCD | TFT LCD display, LED backlight | | | | | | |
| Display color | 16.77 million colors | | | | | | |
| Brightness | 250 cd/m ² | 200 cd/m ² | | | | | |
| Touch panel | Four-wire resistive touch screen | | | | | | |
| LCD life | Above 50000 hours, ambient temperature 25°C, 24-hour operation | | | | | | |
| Memory | 128MB | | | | | | |
| 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 | | | | | | |
| Input voltage | DC24V (voltage range: DC22V~DC26V) | | | | | | |
| Consumption current | 730mA | 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 | 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 | | | | | | |
| Protection level | Front cover IP65 | | | | | | |
| External dimension (mm) | 410.0*270.0*65.0 | 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) | 399.0*259.0 | 260.2*179.7 | 260.2*179.7 | 211.4*157.8 | 192.0*138.5 | 144.0*94.0 | |

Appearance dimension drawing (Unit: mm)

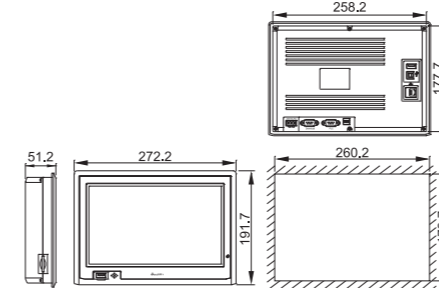
TGC65-ET



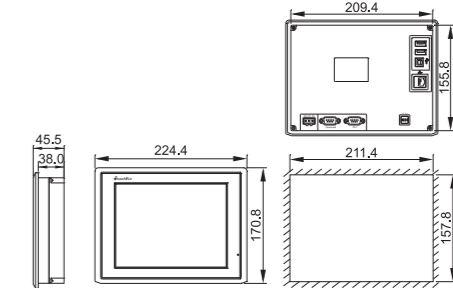
TGA63-MT/UT/ET/NT



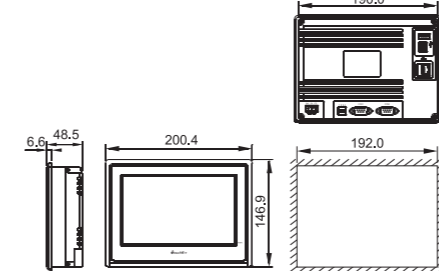
TGA62-MT/ ET



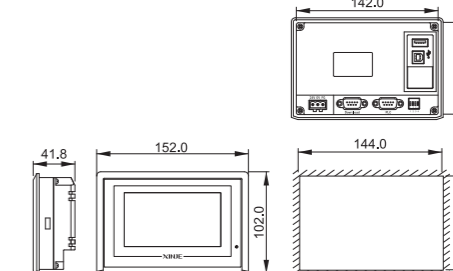
TG865-MT/ ET



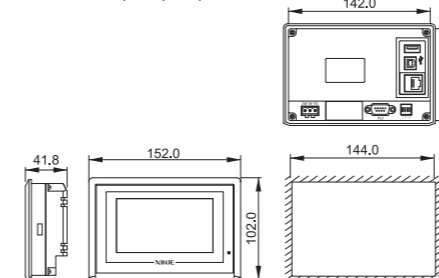
TG765-MT/ UT/ ET



TG465- MT2/ UT2



TG465-MT/ UT/ ET/ XT



Highlight type HMI

TGM(L) series 7"

- Based on the network series products (TGM), the brightness is increased to 530, which can be used in outdoor occasions

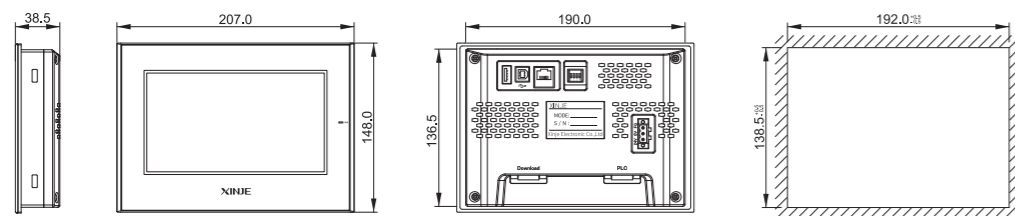


Product specification

| Product model | | TGM765L-MT | TGM765L-ET |
|---------------------|---------------------------|--|---------------|
| Product features | Display size | 7" | |
| | Resolution | 16.77 million colors | |
| | LCD | 800*480 | |
| | Display color | 530 cd/m ² | |
| | Brightness | Four-wire resistive touch screen | |
| | Touch panel | Above 50000 hours, ambient temperature 25°C, 24-hour operation | |
| Interface | LCD life | 128MB | |
| | Memory | RS232/RS485/RS422 | |
| | PLC port | RS232/RS485 | |
| | Download port | USB flash disk port, USB2.0 standard | |
| | USB-A port | USB download port, USB2.0 standard | |
| Electrical features | USB-B port | / | Standard RJ45 |
| | Ethernet port | DC24V (voltage range: DC22V~DC26V) | |
| Environment | Input voltage | 200mA | |
| | Consumption current | Below 10ms (actual power loss less than 1s) | |
| | Allowable power loss | AC1000V, 10mA, less than 1 minute (signal and ground) | |
| | Withstand voltage shock | Above 10MΩ, DC500V (signal and ground) | |
| | Insulation resistance | 0-50°C | |
| Dimension | Operation temperature | -20-60°C | |
| | Storage temperature | 10%RH-90%RH (no condensation) | |
| | Operation humidity | 10~25Hz (X, Y, Z direction each 30 minutes 2G) | |
| | Anti-interference ability | Voltage noise: 1500Vp-p, pulse width 1us, 1 minute | |
| | Air | No corrosive gas | |
| | Cooling mode | Front cover IP65 | |
| | Protection level | Natural air cooling | |
| Dimension | External dimension (mm) | 207.0*148.0*38.5 | |
| | Opening size (mm) | 192.0*138.5 | |

Appearance dimension drawing (Unit: mm)

TGM765L-MT/ET



Oil resistant type HMI

TG (P) series 10.1" 7" 4.3"

- The oil resistant type redesign the upper cover and film on the basis of the general TG series products, and increase the width of the back glue of the film, so as to achieve the purpose of more oil resistance on the front
- It is applicable to the environment with heavy oil pollution, and other functions are the same as the general type



Product specification

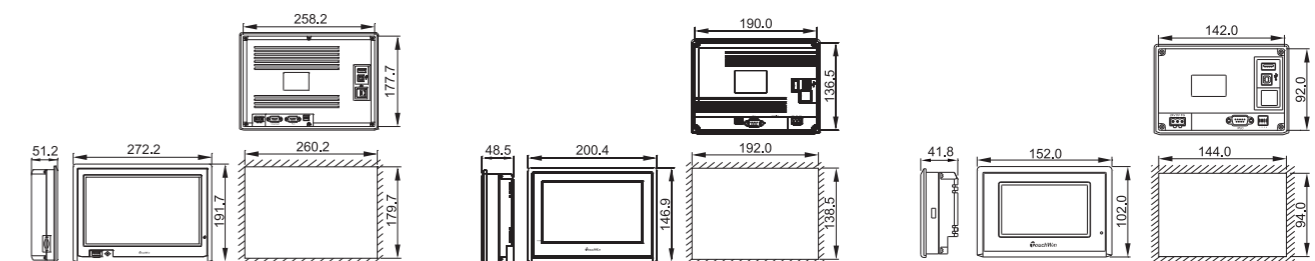
| Product model | | TGA62-MT(P) TGA62-ET(P) | TG765-MT(P) TG765-UT(P) | TG765-XT(P)-C | TG465-MT(P) |
|---------------------|---------------------------|--|----------------------------|------------------|-------------------|
| Product features | Display size | 10.1" | 7" | 7" | 4.3" |
| | Resolution | 800*480 | 800*480 | 800*480 | 480*272 |
| | LCD | TFT LCD display, LED backlight | | | |
| | Display color | 16.77 million colors | | | |
| | Brightness | 200 cd/m ² | | | |
| | Touch panel | Four-wire resistive touch screen | | | |
| Interface | LCD life | Above 50000 hours, ambient temperature 25°C, 24-hour operation | | | |
| | Memory | 128MB | | | |
| | PLC port | RS232/RS422/RS485 | | RS232 | RS232/RS422/RS485 |
| | Download port | RS232/RS485 | | | |
| | USB-A port | USB flash disk port, USB2.0 standard, UT(P)/ET(P) models support | | | |
| Electrical features | USB-B port | USB download port, USB2.0 standard | | | |
| | Ethernet port | Standard RJ45, ET(P) models support | | | |
| | Input voltage | DC24V (voltage range: DC22V~DC26V) | | | |
| | Consumption current | 270mA | 200mA | 200mA | 180mA |
| | Allowable power loss | Below 10ms (actual power loss less than 1s) | | | |
| Environment | Withstand voltage shock | AC1000V, 10mA, less than 1 minute | | | |
| | 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 | | | |
| Dimension | Cooling mode | Natural air cooling | | | |
| | Protection level | Front cover IP65 | | | |
| Dimension | External dimension (mm) | 272.2*191.7*51.2 | 200.4*146.9*48.5 | 200.4*146.9*48.5 | 152.0*102.0*41.8 |
| | Opening size (mm) | 260.2*179.7 | 192.0*138.5 | 192.0*138.5 | 144.0*94.0 |

Appearance dimension drawing (Unit: mm)

TGA62-MT(P)/ ET(P)

TG765-MT(P)/ UT(P) /XT(P)-C

TG465-MT(P)



Economic type HMI

Economic type TG series 7" 4.3"



TG-ZT

- 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

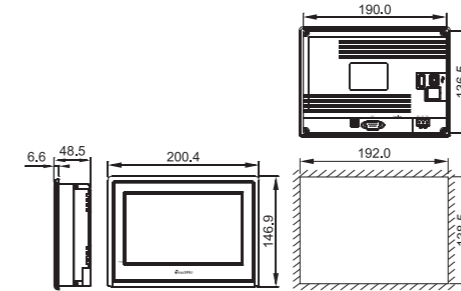
- Remove RS422 communication mode on the basis of new appearance TG(G) series products
Note: the internal register PFW is stored every 1 minute

Product specification

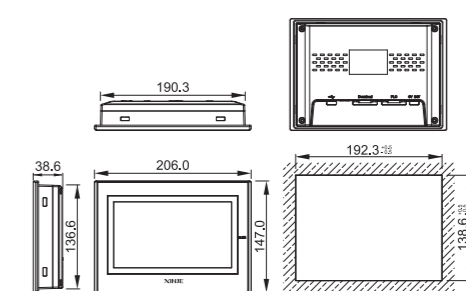
| Product model | | TG765-XT-C | TG765S-XT | TG765G-XT | TG765G-ZT | TG465G-ZT |
|---------------------|---------------------------|--|---------------------|----------------------|--|------------------|
| Product features | Display size | 7" | | | | |
| | Resolution | 800*480 | | | | |
| | LCD | TFT LCD display, LED backlight | | | | |
| | Display color | 16.77million colors | 16.77million colors | 16.77 million colors | 65535 colors | |
| | Brightness | 200 cd/m ² | | | | |
| | Touch panel | Four-wire resistive touch screen | | | | |
| | LCD life | Above 50000 hours, ambient temperature 25°C, 24-hour operation | | | | |
| Interface | Memory | 128MB | 128MB | 128MB | 64MB | |
| | 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 | | | | |
| Electrical features | Ethernet port | / | | | | |
| | 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 | | | | / |
| 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) | 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 |

Appearance dimension drawing (Unit: mm)

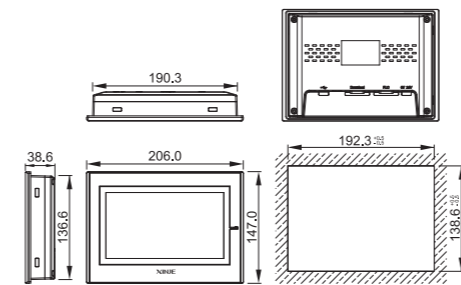
TG765-XT-C



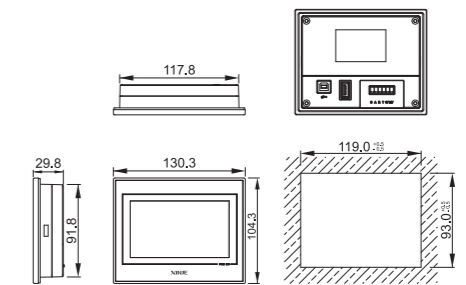
TG765S-XT



TG765G-XT/ZT



TG465G-ZT



Embedded without border HMI

TGM(B) series 10.1" 7" 4.3"

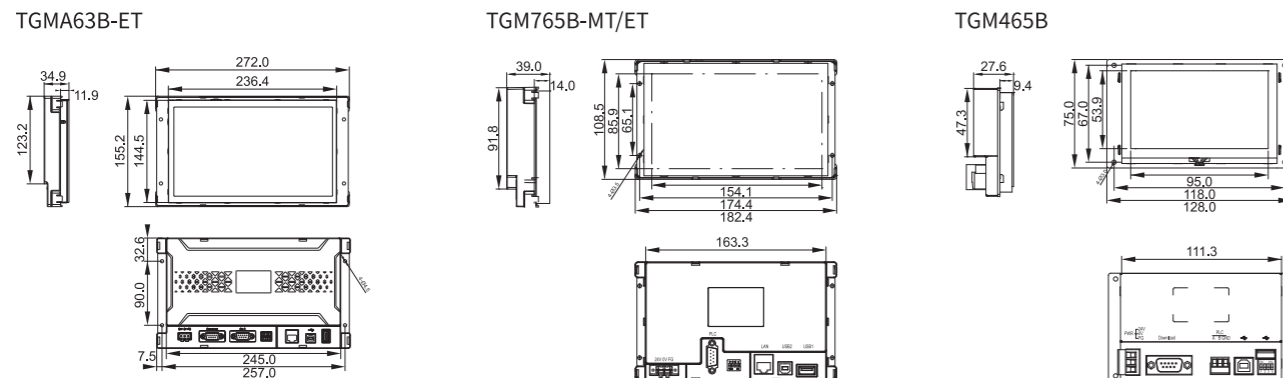
- No front cover, rear installation, greatly reducing the installation space
- It fits closely with the surface of the equipment for better fusion
- Users can design their own mask to meet the needs of personalized customization
- It is especially suitable for vehicle, medical, testing and other applications



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/m ² | | |
| | 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 support USB | | |
| | 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 | | |
| | Insulation resistance | Above 10MΩ, 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 | | / | | |
| Dimension | 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 |

Appearance dimension drawing (Unit: mm)



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 | Chinese, English, Japanese, Russian, German, etc |
| 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 |
| | Operation temperature | 0-45°C |
| Electrical features | 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 |
| | PLC port (built-in) | Built-in PLC port integrated wireless communication module |
| Product model | 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 |

Appearance dimension drawing (Unit: mm)

