Prouducts selection

NEW

THA65-M | THA61-M

- 10.4 inch
- 65536 color
- True color TFT-LCD
- 800*600 pixel
- 640*480 pixel
- 128MB memory

NEW

TH865-M

- 8 inch
- 65536 color
- True color TFT-LCD
- 800*600 pixel
- 128MB memory

NEW

TH765-M

- 7 inch
- 65536 color
- True color TFT-LCD
- 800*480 pixel
- 128MB memory

OP560-T

- 5.7 inch
- 256 color
- True color TFT-LCD
- 320*234 pixel
- 4MB FlashROM
- 256KB SRAM
- 42 function keys

NEW

TH465-M

- 4.3 inch
- 65536 color
- True color TFT-LCD
- 480*272 pixel
- 8MB FlashROM

TP460-L

- 4.7 inch
- Blue-white color
- Monochrom LCD
- 240*128 pixel
- 1MB FlashROM
- 128KB SRAM

MP760-T

- 7 inch
- 256 color
- True color TFT-LCD
- 480*234 pixel
- 4MB FlashROM
- 256KB SRAM
- 26 function keys

TP760-T | TP760-M

- 7 inch
- 256/65536 color
- True color TFT-LCD
- 480*234 pixel
- 4MB FlashROM
- 256KB SRAM

TP562-T

- 5.7 inch
- 256 color
- True color TFT-LCD
- 320*234 pixel
- 4MB FlashROM
- 256KB SRAM

MP/OP330

- 3.7 inch
- Kelly/blue LCD
- 192*64 pixel
- 64KB FlashROM
- 1KB SRAM
- 26 function keys

OP320-A（-S）

- 3.7 inch
- Kelly/blue STN LCD
- 192*64 pixel
- 64KB FlashROM
- 1KB SRAM
- 20 function keys

OP320

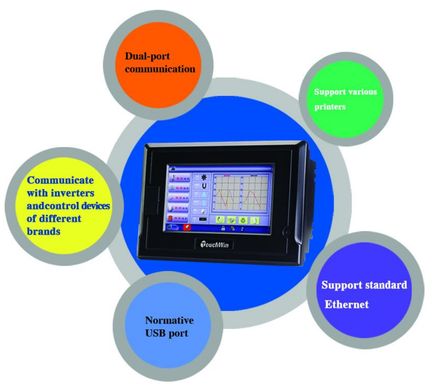
- 3.7 inch
- Kelly/blue STN LCD
- 192*64 pixel
- 64KB FlashROM
- 1KB SRAM
- 7 function keys

Hardware characteristics

Basic function

- Rich sizes: 3.7", 4.3", 4.7", 5.7", 7", 8", 10.4"
- True color display, vivid screen: Blue STN, monochrome LCD, 256 true color TFT-LCD, 65536 true color TFT-LCD
- Support Chinese, English, Japanese, Korean, Italian, Spanish etc, user can define letter font and artistic effect by themselves
- Digital touch type, fast response, agile key-press
- Memory: 128MB FlashROM, support data memory expansion
- Flexible & extensible communication port, support RS232/RS485/RS422
- Built-in RTC(Real Time Clock)

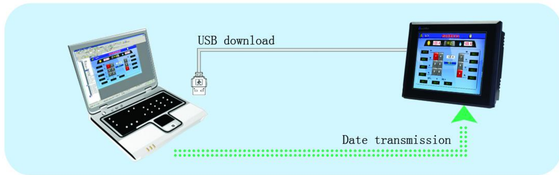
Communication ability



- Communicate with most popular PLC brands , Mitsubishi, Siemens, Omron, Schneider, etc. Communicate with various inverters, controllers, such as Mitsubishi, Delta, Inovance, etc.
- Support dual port communication, each port connects with communication device individually.
- Support stylus printer, thermal printer, panel printer, ink-jet printer, etc. Supply friendly user operation interface.
- Break communication protocol limitation, users can make self drive program. The panel support free format communication at the same time.
- Standard USB2.0 interface, high speed data transmission, support USB-B type removable storage device and other input/output device.
- Standard Ethernet port, structure open network.
- Support host computer pass through function, data transmission and monitor become more convenient.
- Break traditional network system control method, realize multi-master & multi-slave communication structure.

Network connection

- **Multi-HMI connect with PLC**
- **Make up industry Ethernet structure**
- **Data transmission based on USB port**



TouchWin edit software

TouchWin software is special for TH, TW, TP series touch panel, support perfect and convenient screen edit platform. If come into advanced mode, screen creation will be much more free.

3D gallery brings new vision enjoyment

Rich gallery & parts resource

- Graphics display: beeline, rectangle, ellipse.
- Device: meter, valve, pipe, fan, pump, motor, reaction tanks, etc.
- Dynamic map, self define BMP format, JPEG format picture.
- Bar map, column map.
- Date, real-time clock, buzzer, backlight.

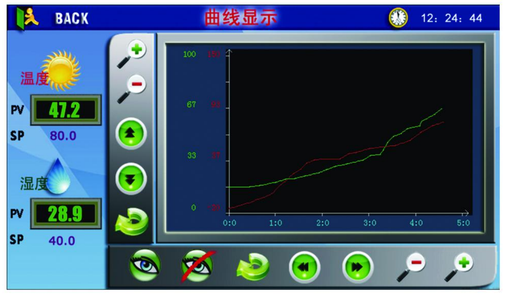
Diverse font and character

Clear picture of high-quality display

- Enter the Windows graphical fonts
- Support Chinese, English, Japanese and other languages
- Support any fonts, any size, Bold , Italic, etc.
- Support art word style , Projection, Filling, etc.

Data collection & trend map function

- Use the bar and polyline chart to monitor the production and operation status.
- Make the using flexible with data moving button and general form.
- Support real-time trend map,history trend map.time trend map, XY trend map.

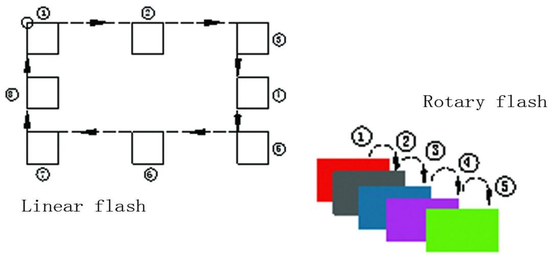


Fast renew the syetem with alarm function

- Flexible alarm list, alarm window monitor setting, help user find error reason in good time, shorten stop time, and get back the system rapidly.

New animation editing mode

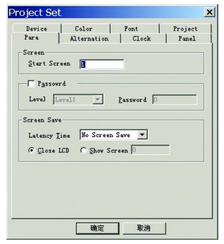
- Simple flash edit method, self-defined motion contrail, support both linear flash and rotary flash, make closer connection and exquisiter screen.

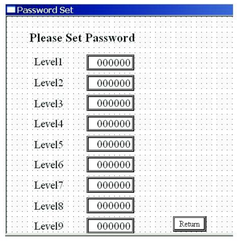


Software

9 levels password protection function, user defined

■ **Base on password verify and login in mode, to realize protection authority system.Password level setting definesmanage operation authority.**



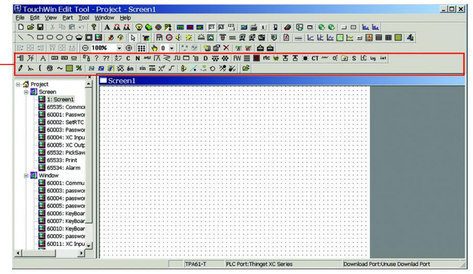


Integrated data sampling function, more perfect recipe function, establish friendly user interface.(TH series)

■ Sample and save the data, import data and transfer in dual direction, CSV file format make the data maintenance and checking more efficieny,Flexible recipe can manage various types and simplify the control process.

Powerful advanced function

■ Advanced function edit mode is the deeper developing for special function. User can define the property comection of extensible components such as logical operation command,ect.



Compare with normal mode, new property connection for extensible components, such as logic account, command, etc. Realize user defined function.

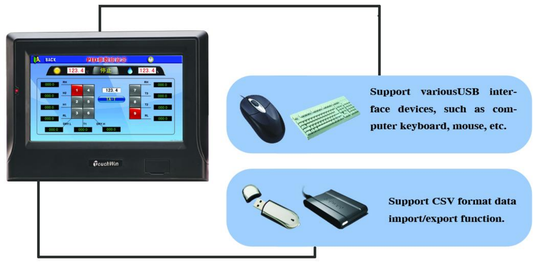
Rich application functions, perfect solution

Fast USB interface communication

TH Series touch panels support USB 2.0 interfance .
It can realize high speed transmission and save your time.

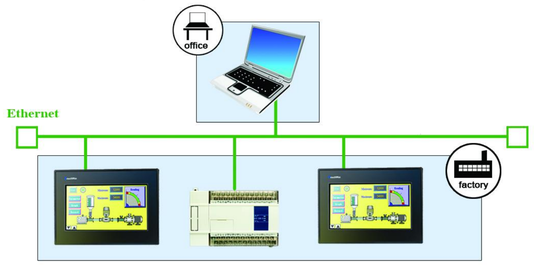
Complete data backup function

TH series touch panels, have two individual USB-A interfaces, support various USB interface devices, such as computer keyboard, mouse, etc . Furthermore, also support CSV format data import/export function, provide the foundation for advanced data backup analyse and management.



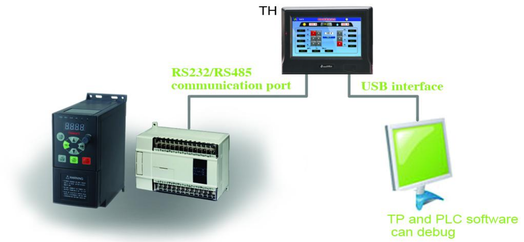
Flexible & extensible network function

Bascd on standard ethernet interface, make up of network structure control system, break area limitation, realize intelligent automation control system .



Pass through function

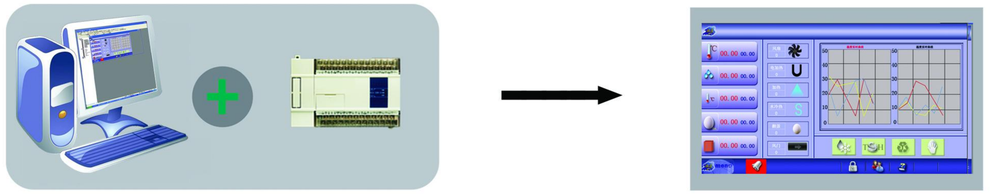
Pass through function, make it easy to communication with XINJE XC series PLC. Via PC and touch panel connection, By comnecting pc and touch panel,it can save debugging time and realize data transmit and PLC operation.



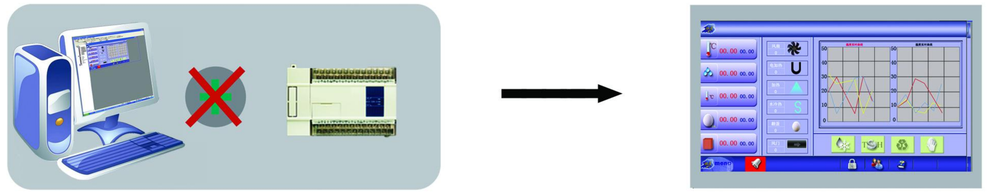
Simulation function

Support vivid and precise simulation function, include offline simulation, online simulation function. You can also adapt SCADA function, choose PC monitor software to enter into SCADA simulation operation.

■ Online Simulation



■ Offline simulation

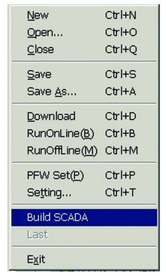


■ SCADA simulation

Select PC monitor software
Choose "new" in "file" item, then open the following windows:

Build SCADA
In "file" menu, choose "build SCADA".

SCADA Simulation
When finishing SCADA operation, can enter into SCADA file, and do a series of online simulation operation.



Popular PLC connection

PLC type	Series	CPU	Cable
XINJE	XC Series	XC1/XC2/XC3/XC5	TP-XC-CAB
	FC Series	CPU unit	TP-FC-CAB
Mitsubishi	FX Series	FX0	TP-FX-CAB
		FX0n-60MR	
		FX1/FX1S/FX1N	
		FX2N/FX2C	
		FX2N-64MR	
		FX2NC-32MT	
		FX3U	
	Q Series	CPU unit	TP-Q-CAB
Siemens	SIMATIC S7-200/ 300/400	CPU212/221	TP-S7-CAB
		CPU222/224	
		CPU226	
		CPU312/315	
		CPU412/414	
OMRON	CPM/CQM	C120	TP-CQM-CAB
		C120F	
		C120HS	
		C500	
		C500F	
		C1000HF	
		C2000	
		CQM1-CPU11/42	
	CP/CJ/CS	CPIH	TP-CP-CAB
		CPIL	
Matsushita	NAIS	FP2/3	TP-FP-CAB
		FP5	
		FP10(S)	
		FP1	
		FP-M	
		FP10SH	
		FP0	

PLC type	Series	CPU	Model
Koyo	KOSTAC-SG	SG-8	TP-SU-CAB0
	KOSTAC-SU	SU-6B	
		SU-6/5	
	KOSTAC-SZ	SZ-4	
	KOSTAC-SR	SR-21/22	
Keyence	KZ-300	KZ300/350	TP-KEN-CAB0
	KV	KV-10/16/24/40	
	KV-700	KV-700	
Delta	DVP Series	ES/EX/SS/SC	TP-DVP-CAB0
AB	Logic1000	CPU Unit	TP-AB-CAB0
FATEK	FB-MC Series	20MC/40MC	TP-FB-CABO
	FB-MA Series	20MA/28MA	
LG	Master - K	K80/120	TP-LG-CAB0
Schneider	Micro	TSX37-05/10	TP-Twido-CAB0
	NEZA	TSX07	
	Twido	CPU Unit	
FUJI	SX-SPB Series	NW0LA-RS2/4	TP-SPB-CAB0
VIGOR	VB0	14M/20M/28M	TP-VB-CAB0
	VB1	14M/24M/32M	
	VB2	16M/32M	
SAIS-BURGESS	PCD Series	M110/125/135	TP-SA-CAB0
Bosch Rexrosh	IndraControl	L40	TP-L40-CAB0
Emerson	EC20 Series	CPU Unit	TP-EC-CAB0
OEMAX	NX7 Series	CPU Unit	TP-NX7-CAB0
IDEC	MicroSmart	CPU Unit	TP-MS-CAB0
Device brand		Device model	
ESTUN		Servo driver	
TIMES		IMS series servo driver	
Mitsubishi		FR series inverter	
Delta		VFD-M series inverter	
Inovance		MD series inverter	
Bosch Rexrosh		FE series inverter	
Others		Self definition protocol	

Free format (IPC, SCM microcomputer) designers of their own in accordance with the definition of communication port, cables to be customized.

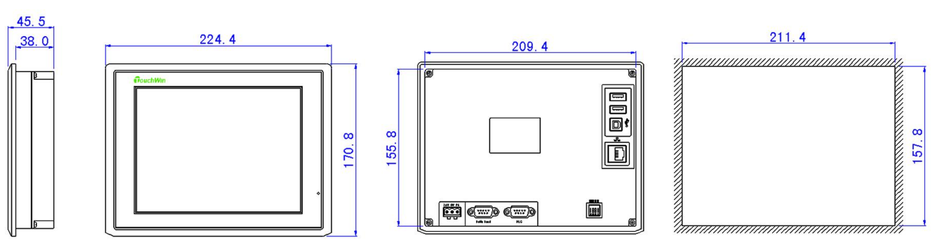
Product specifications

Model	TH series touch panel				TP series touch panel					
	THA65/A61-M	TH865-M	TH765-M	TH465-M	TPA61-T	TP760-M	TP760/765-T	TP562-T	TP560-L	TP460-L
Screen attribute										
Type	65536 true color TFT-LCD				256 true color	65536 color	256 true color	256 true color	monochrom	monochrom
Using life	>50,000 hours, 25° C, 24 hours running									
Display area	800*600/640*480	800*600	800*480	480*272	640*480	480*234		320*234	320*240	240*128
Contrast	/								Adjustable via potentiometer	
Text set	English,Chinese, Japanese, German, Italian, Spanish, etc.									
Letter size	Any size, any font									
Touch panel	4 wire resistance type				Matrix type, resistance type					
Memory										
Screen	128MB	128MB	128MB	8MB	8MB	4MB				1MB
Interface										
Download port	RS232/RS485/RS485				RS232	RS232/RS485				RS232/RS422
Communication port	RS232/RS422/RS485				RS232/RS422/RS485					
USB	Standard USB2.0 port (USB-A criterion, USB-B criterion)				/					
SD card	Standard SD card port /None				/					
Ethernet port	Standard RJ45 port/None				/					
Electric features										
Input voltage	DC24V (DC20V～28V)									
Current consumption	630/620mA	260/240mA	250/230mA	130mA	380mA	280mA		180mA	240mA	200mA
Allowable momen tary power-off	below 10ms (less than 1s in fact)									
Voltage shock endurance	AC1000V, 20mA, less than 1 minute									
Insulative resistance	Above 10MΩ, DC500V									
Environment										
Operating temperature	0℃～50℃									
Storage temperature	-20℃～60℃									
Operating humidity	10% RH～90%RH (No dew)									
Anti-interfere capability	Interfere voltage: 1500Vp-p Pulse cycle: 1mS Duration time: 1 minute									
Atmosphere	Non-corrosive gas									
Structure										
Cooling method	Natural cooling									
External dimension	311x234x48	224.4x170.8x45.5	205x151.5x48.9	150.0x100.0x41.0	311x234x48	205x151.5x48.9	200.0x148.0x44.4			173.2x121.4x45.1
Mounting dimension	302x225	211.4x157.8	192x138.5	144.0x94.0	302x225	190x136.5	182.4x134.4			165x113.4

Model	MP760-T	OP560-T	0P330	MP330	OP320-A/OP325	OP320
Display						
Type	TFT true color LCD		Kelly/Blue LCD			
Using life	>20,000 hours, 25° C, 24hour running					
Display area	480*234	320*234	192*64	320*240	192*64	
Contrast	/		Adjustable via potentiometer			
Letter setting	English, Chinese Japanese, Korean					
Letter size	Any size, any font					
Key press	26	42	26		20	7
Memory						
Screen	4MB FlashROM		64KB FlashROM			
Interface						
Download port	RS232					
Communication port	RS232/422/485		Only RS232	Normal models support RS232/422,-S type support RS232/485		
Electric feature						
Input voltage	DC24V (DC20 ~ 26V)					
Current consumption	<260mA		<140mA			
Allowable momen tary power-off	below 10mA (less than 1S in fact)					
Voltage shock endurance	AC1000V, 20mS, less than 1 minute					
Insulative resistance	Above 10MΩ, DC500V					
Environment						
Operating temperature	0℃ ~ 50℃					
Storage temperature	-20℃ ~ 60℃					
Operating humidity	10%RH ~ 90%RH (No dew)					
Anti-interfere capability	Interfere voltage: 1500Vp-p Pulse cycle: 1mS Duration time: 1 minute					
Atmosphere	None-corrosive gas					
Structure						
Cooling method	Natural cooling					
External dimension	214*200*60.3	283.3*193.9*50	172*121*56.5		172*94*30	163.5*101.7*38
Mounting dimension	201*187	170.8*158	164*113		163*85	154*94

External Dimension (Unit: mm)

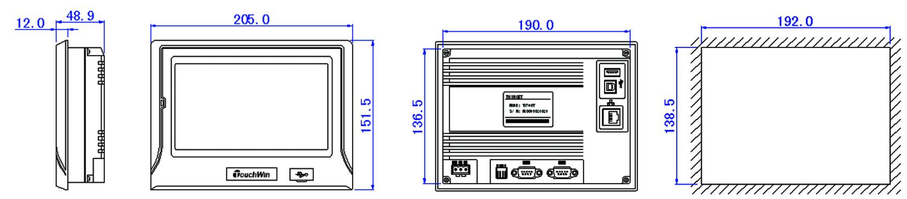
TH865-M



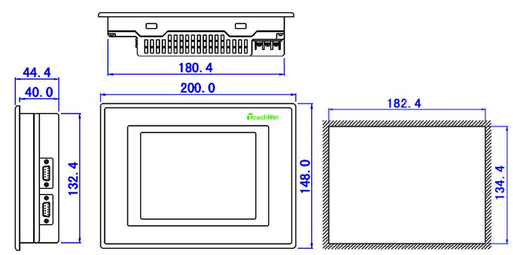
Connecting cable

Connect method	Series name	Product model	Connecting port	Cable connecting method	Cable picture
PC connection	TH series	All series	Special download port	USB cable connection	Special download cable
	TP/OP/MP series	All series	Download port	RS232	
Connect with XINJE XC series PLC	TH/TP series	All series	PLC port	RS232/485	
			Download port	RS232/485	
	OP series	OP320/OP320-A	PLC/Download port	RS232	
		OP320-S/OP320-A-S	PLC/Download port	RS232/485	
Connect with other brand's PLC or communication device	All TH/TP/OP series		PLC port, Download port	Please refer to user manual	

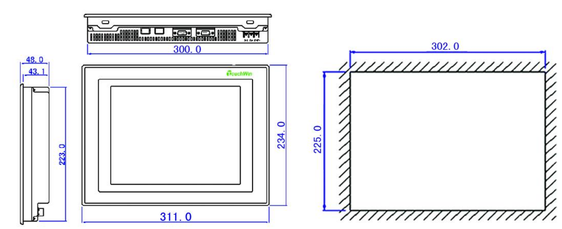
TH765-M/ TP765-T



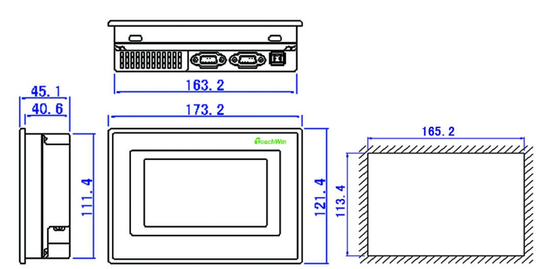
TP760-T/TP760-M/TP560-L/TP560-T
TP561-T/TP562-T



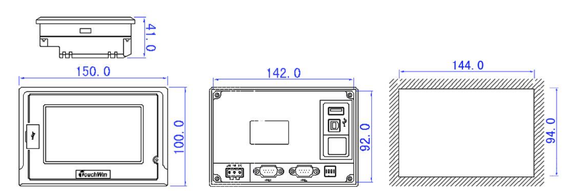
THA65-M/THA61-M/TPA60-L
TPA60-T/TPA61-T



TP460-L

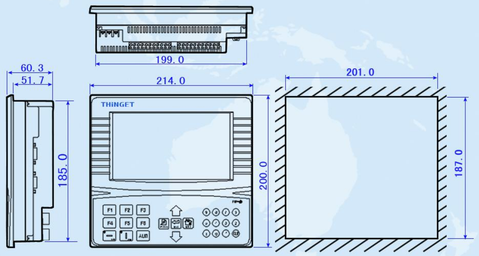


TH465-M

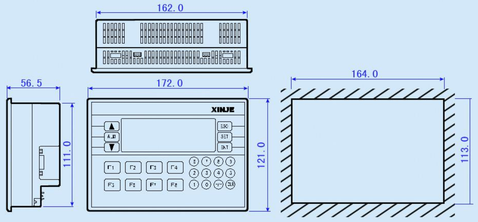


Appeaarance & Dimension（Unit：mm）

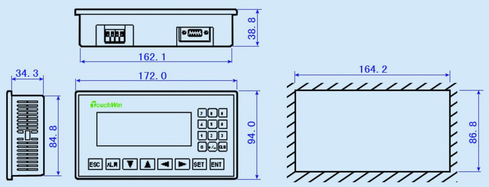
MP760-T



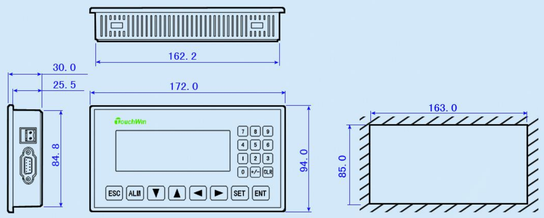
OP330/MP330



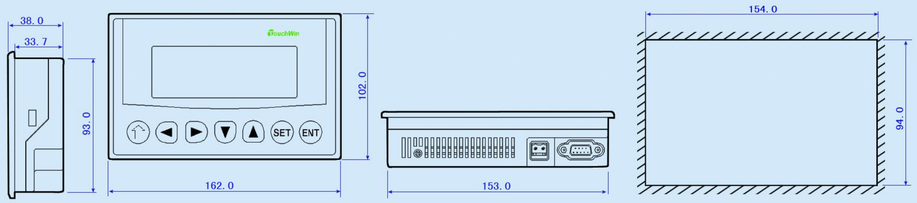
OP325



OP320-A



OP320



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TouchWin
Human Machine Interface

XINJE
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TH · TP · OP series

Perfect Combination of Profession and Humanity,
New Concept of HMI