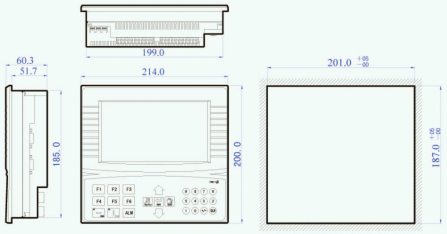
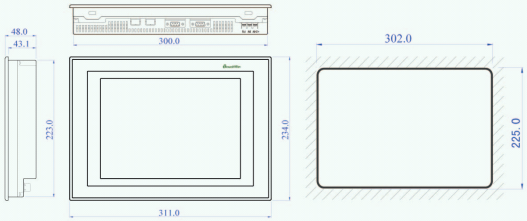
Appearance & Dimensions

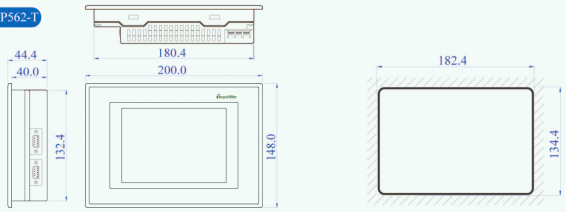
MP760-T



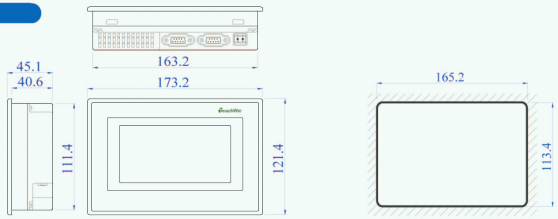
TPA61-T



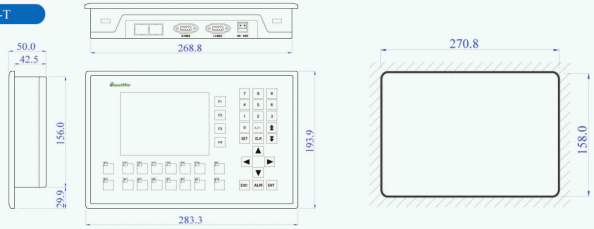
TP560-L/TP562-MT/TP562-T
TP760-MT/TP760-T



TP460-L



OP560-L/OP560-T



Distributor

TouchWin Human Machine Interface

THINGET



TP·OP·MP Series

HMI with Simple Operation And Full Function

Selection Guide

TPA61-T



10.4" | 256-color | TFT true color | 640X480 pixel | 8MB FlashROM | 4KB SRAM

TP760-MT



7" | 65536-color | TFT true color | 480X234 pixel | 4MB FlashROM | 4KB SRAM

TP760-T



7" | 256-color | TFT true color | 480X234 pixel | 4MB FlashROM | 4KB SRAM

TP562-MT



5.7" | 65536-color | TFT true color | 320X234 pixel | 4MB FlashROM | 4KB SRAM

TP562-T



5.7" | 256-color | TFT true color | 320X234 pixel | 4MB FlashROM | 4KB SRAM

TP560-L



5.7" | Black and White | monochrome LCD | 320X240 pixel | 4MB FlashROM | 2KB SRAM

TP460-L



4.7" | Black and White | monochrome LCD | 240X128 pixel | 2MB FlashROM | 1KB SRAM

OP560-T

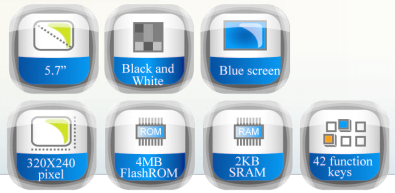


5.7" | 256-color | TFT true color | 320X234 pixel | 4MB FlashROM | 4KB SRAM | 42 function keys

Selection Guide THINGET

OP560-L





MP/OP 330





OP320-A





OP320



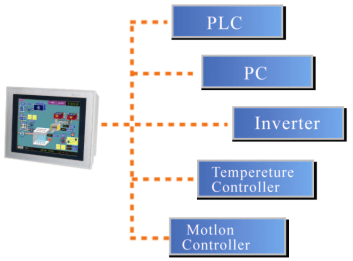


Basic functions

- Rich sizes：3.7"、4.7"、5.7"、7"、10.4"
- Display：Yellow-green STN、monochrome LCD、65536 true color、256 true color
- Fast response、fexible key-press
- Digital touch style
- OP key-press：42、20、7，the numeric keys can be defined as function
- Memory space：Maximum 8M FlashROM、Maximum 4K SRAM
- OP：communication/download port
- TP：communication port、download/communication port
- Support：RS-232、485、422
- Built-in RTC(Real Time Clock)



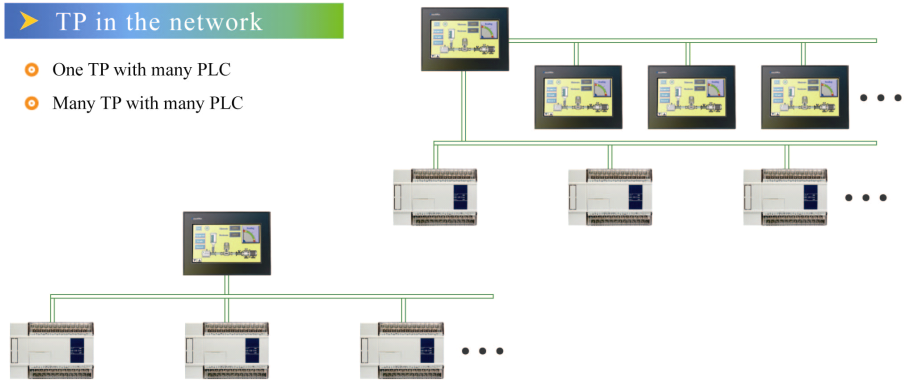
Communication Ability



- Can communicate with PLC of different brands and a variety of models directly,such as Mitsubishi ,Siemens,Omron,Schneider and so on.
- Can communicate with Xinje inverters directly.
- Can drive the panel printers directly,economic and fexilble.
- Support free protocol,terminal users can writer drive programs freely. Users can write the drive programs according to te device's communication procotol .With the edited drive program,user can realize the communication between TP series HMI and any device easily.
- TP series touch panels have two separate COM ports,can connect with 2 different devices at the same time .Eg:COM1 connects with PLC,COM2 connects with inverter.
- Support Chinese panel in PinYin,complete the recipe function.
- With optimized procotol,sample the data rapidly.

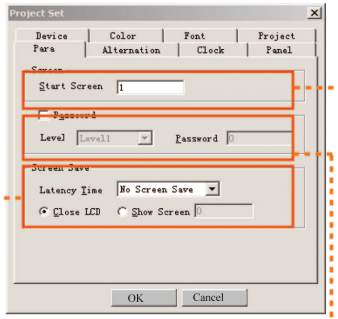
TP in the network

- One TP with many PLC
- Many TP with many PLC



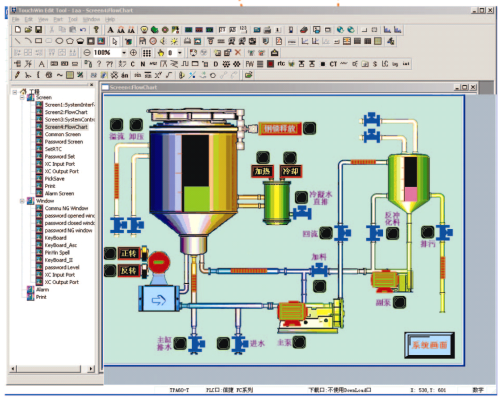
Touchwin Edit Tool

TouchWin Screen Edit Tool is designed specially for TP series touch panels.The Tool provids rich resources and a convenient platform for the users.Advanced functions enable the users edit the screens at will (refer to P7）.

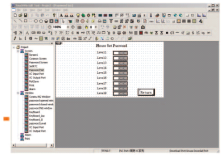


Online/Offline simulation

Uplaod/Download recipe



✱ Setting the display picture boot-strap



10-level security functions

✱ The screen display password protection according to the operator level.

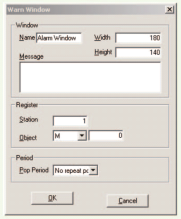
✱ Screen protect function

Rich text performance capabilities

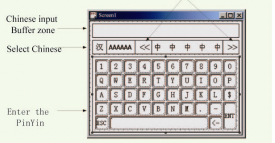
- ✱ Windows graphical font input
- ✱ Support simpilfied/traditional Chinese,English Japanese and other countries.
- ✱ Support any font,any size,bold,italic,underline, etc.
- ✱ Support art words,projection,filling,etc



Alarm List

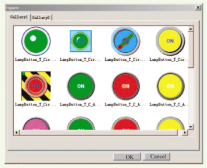


Buildt-in Chinese characters keyboard,directly input Chinese



Rich library resources & Components

- ✱ Graphics:real-time/historical trends, indication lamp,buttons,real-time/historical diplay.
- ✱ Epuipment:meter,valves,pipes,fans, pumps,motors,reaction tanks,etc.
- ✱ Dynamic map,BMP plans
- ✱ Bar map,Column map
- ✱ Date,real-time clock ,buzzer,backlight



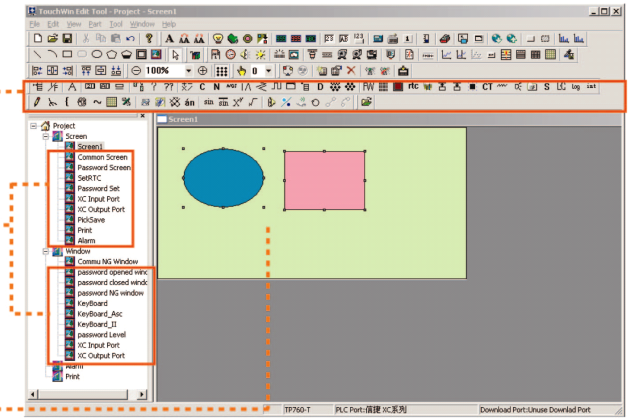
The advanced instructions,which is main for advanced users,is included in TP Edit Tool.It equals the second development based on the current functions.With these advanced functions,the system is much stronger and more suitable for users.

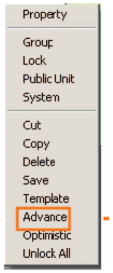
With a sample setting in system files,enter the advanced mode easily.

Compare with the normal mode, the toolbar changes:with added logical operation,command,etc.

The project column generates several windows atuomatically.

When more than two components are chosen,right-click the mouse,the following dialog box will pop up.



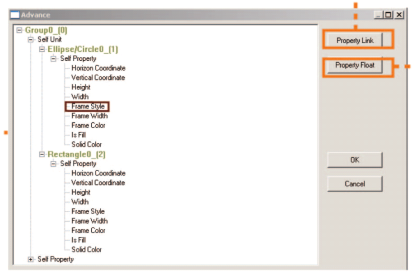


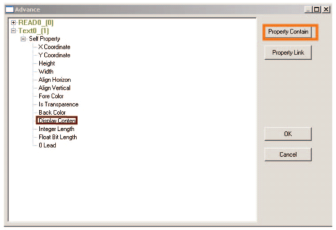
Operation in advanced mode

- ✱ Systematism
- ✱ Creat the temple
- ✱ Advanced

Link individual property of different components

Extract component property for a seperate control.





Simulation functions

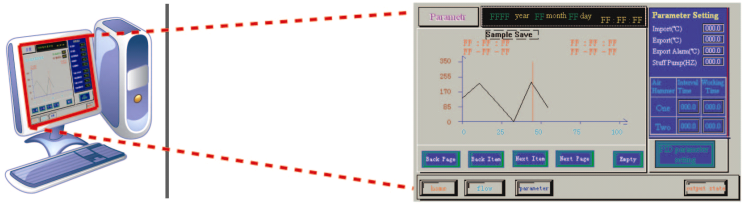
Online simulation

- No need to download the project into Touch Panel. Directly connect PLC with computer,then you can get the PLC date from TouchWin edit tool,and simulate correspoding actions.



Offline simulation

- No need to download the project into Touch Panel,no need to connect PLC with computer,the user can simulate a series actions directly in TouchWin edit tools,judge and correct the errors according to this.

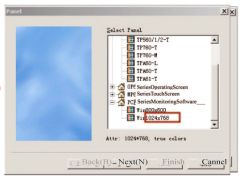


Monitor Software

- The operation can realize the function similar the SCADA .Users,who have completed the programing,can enter into SCADA mode to simulate operations.

1、Select PC monitoring software

Select"new"in the"file"menu,the following window will pop-up.

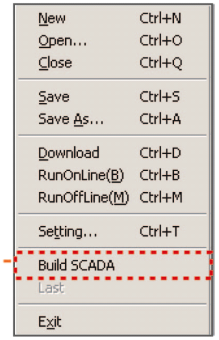


2、Build SCADA

In the" file"menu,select "Build SCADA"

3、Simulate configuration

Users,who have completed the screen,can enter into the previous SCADA files to simulate operations.



Common PLC connection Cables

PLC type	Series	CPU	Model
Xinje	XC series	XCI	OP-FC-CAB0
		XC3	
		XC5	
		XCM	
	FC series		
Mitsubishi	MELSEC	FX0	OP-FC1-CAB0
		FX0n-60MR	
		FX1	
		FX1S	
		FX1N	
		FX2C	
		FX2N	
		FX2N-64MR	
		FX2NC-32MT	
Siemens	SIMATIC S7-200	CPU212	OP-S7-CAB0
		CPU221	
		CPU222	
		CPU224	
		CPU226	
OMRON	SYSMAC	CJ	OP-CQMCAB0
		CS	
		CPMIA/2A	
		C1000HF	
		C2000	
		CQM1-CPU11	
		CQM1-CPU42	
		CPIH	
Matsushita Electric	NAIS	FP2/3	OP-FP-CAB0
		FP5	
		FP10(S)	
		FP1	
		FP-M	
		FP10SH	
		FP0	
Koyo	KOSTAC-SG	SG-8	OP-SU-CAB0
	KOSTAC-SU	SU-6B	
		SU-6/5	
	KOSTAC-SZ	SZ-4	OP-SZ-CAB0
	KOSTAC-SR	SR-21/22	
Keyence	KZ-300	KZ300/350	OP-KEN-CAB0
	KV	KV-10/16/24/40	
	KV-700	KV-700	
Delta	DVP series		OP-DVP-CAB0
AB	Logic1000		OP-AB-CAB0
Yonghong	FB series		OP-FB-CAB0
LG	Master—K	K80/120	OP-LG-CAB0
Schneider	Micro		OP-Twido-CAB0
	NEZA		
	Twido		

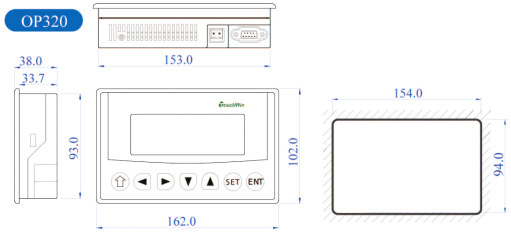
TP Series Specifiacations

Model	TPA61-T	TP760-T	TP760-MT	TP562-MT	TP562-T	TP560-L	TP460-L
Screen Property							
Type	TFT true colorLCD		65536 TF Ttrue color LCD		TFT true color LCD	CCFL monochrome	monochrome
Using life	Above 50000 hours,ambient temperature 25℃,24-hour running						
Display area	640×480	480×234		320×234		320×240	240×128
Contrast	Not adjustable					Adjust by the potentiomiter	
Text setting	Enlish,Simplified and Traditional Chinese,Japanese and so on						
Character size	Any size,any font						
Touch panel	Matrix type、resistor type touch						
Memory							
Screen	8MB	4MB				2MB	
Data	4KB					2KB	1KB
Interfaces							
Download port	RS-232						
Communication port	RS-232/RS-485/RS-422						
Electric Features							
Input voltage	DC24V						
Voltage range	DC22V~26V						
Current consumption	380mA	150mA		180mA		240mA	200mA
Momentary power-off	Bellow 10mS(less than 1S in fact)						
Anti-voltage impulse	AC1000V，20mA less than 1 Min						
Instulative resistance	Above 10M,DC 500V						
Environment							
Operating temperature	0℃～50℃						
Storage temperature	-20℃～60℃						
Operating humidity	10%RH～90%RH（No Dew）						
Anti-interfere capability	Interfere voltage:1500Vp-p Cycle of pulse:1ms Duration time:1 Min						
Atmosphere	Non-corrosive gasses						
Structure							
Cooling method	Natural cooling						
External dimension	311×234×48	200.0×148.0×44.4					173.2×121.4×45.1
Mounting dimension	302×225	182.4×134.4					165.2×113.4

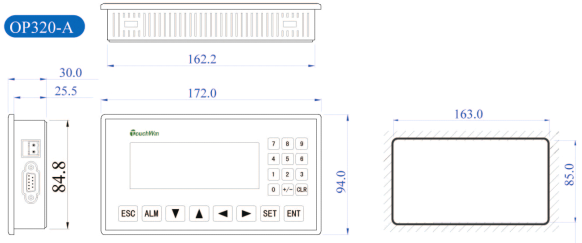
MP&OP Series Specifications

Model	MP760-T	OP560-T	OP560-L	MP330	OP330	OP320-A	OP320
Display							
Type	TFT true color LCD		CCFL monochrome	Yellow-green LCD			
Using life	Above 20000 hours,ambient temperature 25℃,24-hour running						
Display area	480×234	320×234	320×240	192×64			
Contrast	Not adjustable		Adjust by the potentionometer				
Text setting	English,simplified and traditional Chinese,Japanese			simpilfied and traditional Chinese,Engilsh			
Character size	Any size Any font			Chinese：16×16 32×32 English： 8×16 16×32			
Key press	26	42		26		20	7
Memory							
Screen	4MB			64KB FlashROM			
Data	4KB		2KB	1KB SRAM			
Interfaces							
Download port	RS-232						
Communication port	RS-232/422/485			Normally support RS-232/422,and(-s)item support RS-232/485			
Electric Features							
Input voltage	DC24V						
Voltage range	DC22V~26V						
Current consumption	<260mA			<140mA			
Momentary power-off	Bellow 10S(less than 1s in fact)						
Anti-voltage impulse	AC1000V，20mS less than 1 Min						
Instulative resistance	Above 10M，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 Cycle of pulse：1mS Duration time：1Min						
Atmosphere	Non-corrosive gasses						
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
Mouting dimension	201×187	270.8×158		164×113		163×85	154×94

OP320



OP320-A



OP330/MP330

