

Samkoon

工业自动化解决方案供应商



HMI人机界面 产品选型手册

SK人机界面
EA人机界面





Contents

02 SK Series HMI

SK Series Summary

Sk Series Feature

08 EA Series HMI

EA Series Summary

EA Series Feature

11 Optional Accessories

Optional Accessories

12 Software Introduction

Software Feature

Software Interface

14 National Office



一、SK Series Feature

1 high-performance configuration

- based on Linux system, which is stable, efficient, safe and reliable
- industrial high-performance 600MHz processo
- high capacity 128MB FLASH+128MB DDR3, support external U disk storage
- support 4G, WIFI
- support t HP printer and miniprinters

3 multiple interface embedding

- Support multiple communication modes: ethernet, wifi, 4G and canbus communications
- Support usb download, ethernet download, U disk updated configuration

5 abundant choice of color

- 260,000 true color display

2 diversified functional modules

- Support multi-group formula, multi-window function
- Support shorthand collection, data alarm function
- Support macro instruction based on C language development
- Support chinese input
- Support remote monitoring funtion, support MQTT and third-party platform docking
- Support more than 300 PPLC communication protocols
- Support 50 languages
- multifunctional and control diversification

4 brand new code system

- Configuration file encryption
- installation payment, HMI protection
- multiple security systems, safe and reliable

6 high-standard quality control

- Qualified by FCC, ClassA and CE

二、SK Series Naming Rules



①

②

③

④

⑤

① SK: SK series HMI

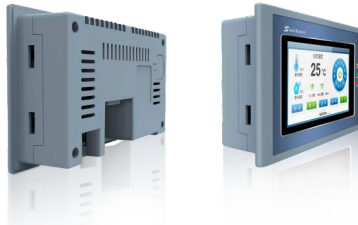
③ 070: display size 7"

④ A/B/F/H/C/G/M/X:
Different hole size
070: A/F/G Same hole size
070: B/H/M Same hole size

⑤ E: without Ethernet port
S: with Ethernet port
G: with 4G module
D: with Ethernet and can bus
W: with Wifi module

② H: high-performance
T: hand-held

一、 SK Series Feature



Model	SK-035FE	SK-035UE
structure and environment		
size(mm)	135× 89 × 39	96× 81× 47
hole size(mm)	123× 80	92× 77
display size	3.5"(4:3)	3.5"(4:3)
weight(g)	200	200
working environment temperature	-20°C~55°C(no freeze)	
working environment humidity	5~95%RH(condensation)	
quakeproof	10 ~ 25HZ(XYZ direction 2G/30 minutes)	
shell material	industrial plastic ABS+PC	
power		
power consumption(W)	3	
power supply	DC12-24V±15%	
static test	class 3±6kV	
display		
resolution(PX)	320 × 240	
contrast	400:1	
brightness	350cd/m ²	
control panel	4-port high precision touch pad	
color	16,770,000	
backlight module	LED	
hardware		
storage	128MB FLASH+128MB DDR2	
CPU	Cortex A8 600MHz	
interface		
network port	NO	
usb download	YES	
USB port	NO	
serial interface	COM:RS232/422/485	
other parameters		
FCC compatibility	qualified byFCC, Class A	
high-voltage insulation test	1000V AC,1 minute	
CE qualification	qualified by EN55032 and EN55035	
level of protection	Ip65(front panel)	
software		
software	SKTOOL6.0/6.2/7.0	

一、 SK Series Feature



Model	SK-043UE	SK-043FE	SK-043HS SK-043HE
structure and environment			
size(mm)	138×86×38	150×93×39	173×95×39
hole size(mm)	132×80	141×84	163×85
display size	4.3"(16:9)	4.3"(16:9)	4.3"(16:9)
weight(g)	200	270	270
working environment temperature	-20°C~55°C(no freeze)		
working environment humidity	5~95%RH(condensation)		
quakeproof	10~25HZ(XYZ direction 2G/30 minutes)		
shell material	industrial plastic ABS+PC		
power			
power consumption(W)	3		
power supply	DC12-24V±15%		
static test	class 3±6kV		
display			
resolution(PX)	480×272		
contrast	400:1		
brightness	400cd/m ²		
control panel	4-port high precision touch pad		
color	16,770,000		
backlight module	LED		
hardware			
storage	128MB FLASH+128MB DDR2		
CPU	Cortex A8 600MHz		
interface			
network port	NO		Ethernet Optional
usb download		YES	
USB port	NO		YES
serial interface	COM:RS232/422/485		
other parameters			
FCC compatibility	qualified byFCC, Class A		
high-voltage insulation test	1000V AC,1 minute		
CE qualification	qualified by EN55032 and EN55035		
level of protection	Ip65(front panel)		
software			
software	SKTOOL6.0/6.2/7.0		

SK Series Feature



Model	SK-057FE	SK-050HS SK-050HE	SK-070QE	SK-T070XS(hold)
structure and environment				
size(mm)	177 × 140 × 40	165 × 103 × 39	205 × 145 × 40	258 × 195.4 × 65.1
hole size(mm)	163 × 133	157 × 95	192 × 138	163 × 133
display size	5.7"(4:3)	5"(16:9)	7"(16:9)	7"(16:9)
weight(g)	510	330	700	510
working environment temperature	-20°C~55°C(no freeze)			
working environment humidity	5~95%RH(condensation)			
quakeproof	10 ~ 25HZ(XYZ direction 2G/30 minutes)			
shell material	industrial plastic ABS+PC			
power				
power consumption(W)	5	4	5	6
Power supply	(DC12~24V)±15%			
static test	3 class ±6kV			
display				
resolution(PX)	640 × 480	800 × 480	800 × 480	1024 × 600
contrast	400:1			
brightness	400cd/m ²	400cd/m ²	450cd/m ²	450cd/m ²
control panel	4-port high precision touch pad			
color	16,770,000			
backlight module	LED			
hardware				
storage	128MB DDR3		128M DDR3	512M DDR3
CPU	Cortex A8 600MHz		4 cores A7 800MHz	Cortex A8 800MHz
storage	128MB FLASH		128M FLASH	256M FLASH
interface				
network port	NO	Ethernet optional	NO	YES
usb download	YES			
U port	YES			
serial interface	COM1 COM2:RS232/422/485	COM1:RS232/422/485		
other parameters				
FCC compatibility	Qualified byFCC, Class A			
high-voltage insulation test	1000V AC,1 minute			
CE qualification	Qualified by En55032 and En55035			
level of protection	IP65(front panel)			
software				
software	SKTOOL6.0/6.2/7.0/7.1			



Model	SK-070GS SK-070GE	SK-070GG SK-070GW	SK-070ME SK-070MS	SK-070MG SK-070MW
structure and environment				
size(mm)	225 × 153 × 40		205 × 145 × 40	
hole size(mm)	210 × 144		192 × 138	
display size	7"(16:9)		7"(16:9)	
weight(g)	700		700	
working environment temperature	-20°C~55°C(no freeze)			
working environment humidity	5~95%RH(condensation)			
quakeproof	10~25HZ(XYZ direction 2G/30 minutes)			
shell material	industrial plastic ABS+PC			
power				
power consumption(W)	5		5	
power supply	(DC12~24V)±15%			
static test	4 Class±8kV			
display				
resolution(PX)	800 × 480		800 × 480	
contrast	400:1			
brightness	450cd/m ²			
control panel	4-port high precision touch pad			
color	16,770,000			
backlight module	LED			
hardware				
storage	128MB DDR3			
CPU	Cortex A8 600MHz			
storage	128MB FLASH,	256MB FLASH	128MB FLASH	256MB FLASH
interface				
network	Ethernet optional	(4G/ WIFI)optional, Ethernet	Ethernet optional	(4G/ WIFI)optional, Ethernet
usb download	YES			
USB port	YES			
serial interface	COM1 COM2:RS232/422/485			
	NO	YES	NO	YES
other parameters				
FCC compatibility	Qualified byFCC, Class A			
high-voltage insulation test	1000V AC,1 minute			
CE qualification	Qualified by En55032 and En55035			
level of protection	IP65(front panel)			
software				
software	SKTOOL6.0/6.2/7.0/7.1			



Model	SK-102CE SK-102CS	SK-102CG SK-102CW
structure and environment		
size(mm)	274 × 180 × 40	
hole size(mm)	255× 167	
display size	10.2"(16:9)	
weight(g)	1000	
working environment temperature	-20°C~55°C(no freeze)	
working environment humidity	5~95%RH(condensation)	
quakeproof	10~25HZ(XYZ direction 2G/30 minutes)	
shell material	industrial plastic ABS+PC	
power		
power consumption(W)	7	
power supply	(DC12~24V)±15%	
static test	4 class±8kV	
display		
resolution(PX)	1024× 600	
contrast	450:1	
brightness	500cd/m ²	
control panel	4-port high precision touch pad	
color	16,770,000	
backlight module	LED	
hardware		
storage	128MB DDR3	
CPU	Cortex A8 600MHz	
storage	128MB FLASH	256MB FLASH
interface		
network	Ethernet	(4G/ WIFI)optional, Ethernet
usb download	YES	
USB port	YES	
serial interface	COM1 COM2:RS232/422/485	
other parameters		
FCC compatibility	Qualified byFCC, Class A	
high-voltage insulation test	1000V AC,1 minute	
CE qualification	Qualified by En55032 and En55035	
level of protection	IP65(front panel)	
software		
software	SKTOOL6.0/6.2/7.0	

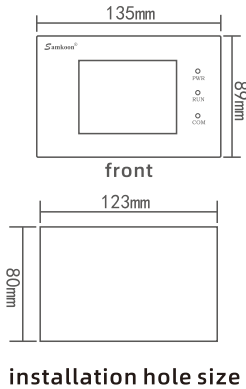
Sk Series Feature



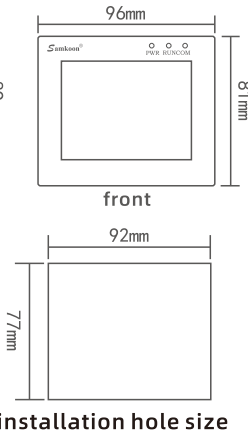
Model	SK-102HW SK-102HG	SK-102HE SK-102HS	SK-121FE SK-121FS	SK-H150AS
structure and environment				
size(mm)	275 × 211 × 44	275 × 211 × 44	340 × 256 × 54	365 × 302 × 63
hole size(mm)	259 × 201	259 × 201	330 × 246	356 × 293
display size	10.2"(16:9)	10.2"(16:9)	12.1"(4:3)	15"(4:3)
weight(g)	1050	1050	2160	3000
working environment temperature	-20°C~55°C(no freeze)			
working environment humidity	5~95%RH(condensation)			
quakeproof	10~25HZ(XYZ direction 2G/30 minutes)			
shell material	industrial plastic ABS+PC			
power				
power consumption(W)	7			10
power supply	(DC12~24V)±15%			DC24V±15%
static test	4 Class±8kV			
display				
resolution(PX)	1024 × 600		800 × 600	1024 × 768
contrast	450:1			500:1
brightness	500cd/m ²		300cd/m ²	500cd/m ²
control panel	4-port high precision touch pad			
color	16,770,000			
backlight module	LED			
hardware				
storage	128MB DDR3			2GB DDR3
CPU	Cortex A8 600MHz			4 cores A17 1.5GHz
storage	256MB FLASH	128MB FLASH		8GB
interface				
network	(4G/ WIFI)optional, Ethernet	Ethernet (optional)		Ethernet
usb download	YES			
USB port	YES			
serial interface	COM1 COM2:RS232/422/485			
Can interface	YES	NO		
other parameters				
FCC compatibility	Qualified byFCC, Class A			
high-voltage insulation test	1000V AC,1 minute			
CE qualification	Qualified by En55032 and En55035			
level of protection	IP65(front panel)			
software				
software	SKTOOL6.0/6.2/7.0			

二、SK Series size

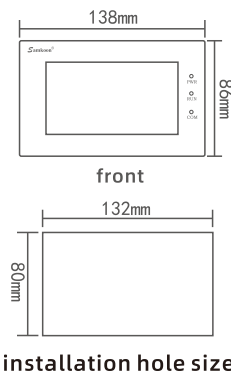
•SK-035FE



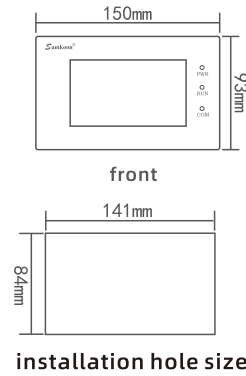
•SK-035UE



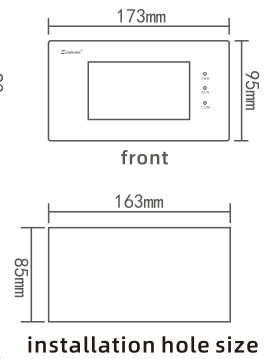
•SK-043UE



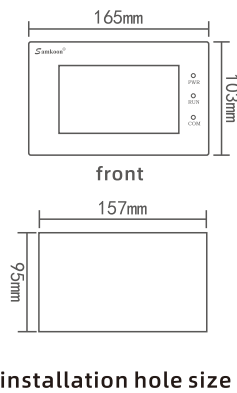
•SK-043FE



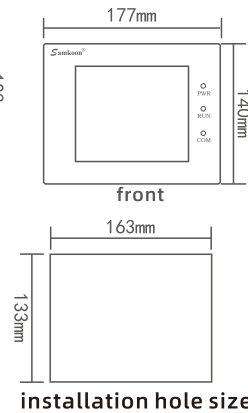
•SK-043HE/HS



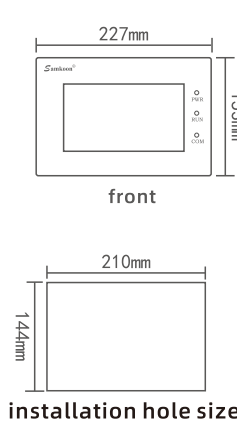
•SK-050HS/HE



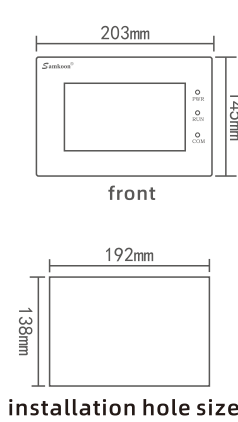
•SK-057FE



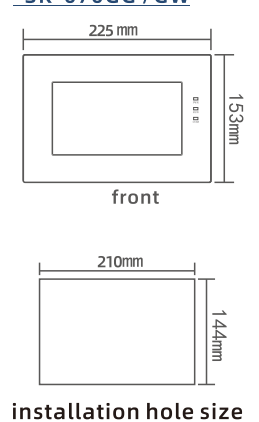
•SK-070FE/FS



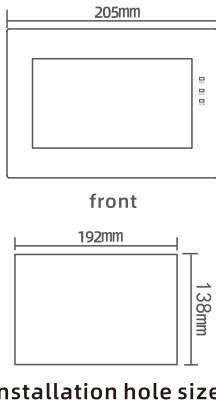
•SK-070HE/HS



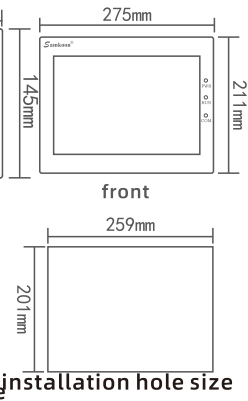
**•SK-070GE/GS
SK-070GG/GW**



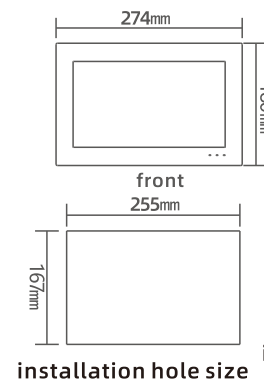
**•SK-070ME/MS
SK-070MG/MW**



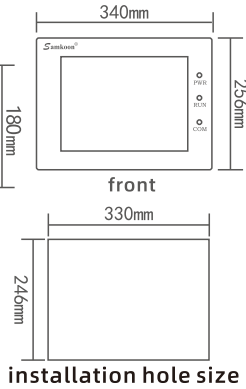
**•SK-102HE/HS
SK-102HG/HW**



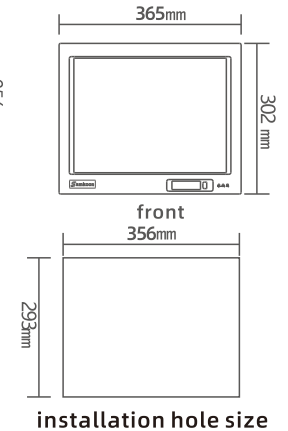
**•SK-102CS/CE
SK-102CG/CW**



•SK-121FE/FS

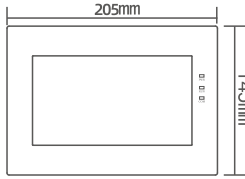


•SK-H150AS

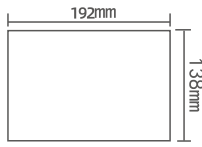


2、SK Series Size

**•SK-070ME/MS
SK-070MG/MW**

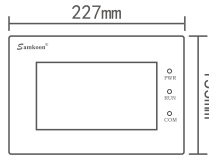


Front

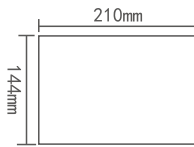


installation hole size

•SK-070FE/FS

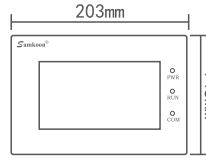


Front

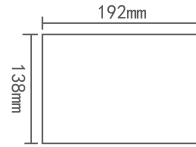


installation hole size

•SK-070HE/HS

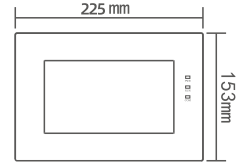


Front

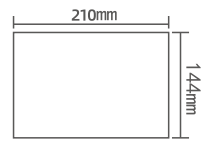


installation hole size

**•SK-070GE/GS
SK-070GG /GW**



Front



installation hole size



一、EA Series Feature

1 High-performance configuration

- real-time system, safe, reliable
- industrial high-performance ARM9 processor, main frequency up to 300MHz
- high capacity 128MB FLASH+64MB DDR3

3 Brand new crypto system

- multiple security system, safe and reliable

5 Abundant choice of color

- 260,000 true color display

2 High-standard quality control

- qualified by FCC, Class A, CE

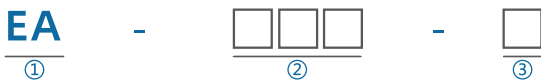
4 Dversified functional modules

- pretty interface, easy to handle, full functions

6 Multiple interface embedding

- built-in single COM integrated RS232/422/485 communication mode, support USB download

二、EA Series Naming Rules



① EA: EA Series HMI

③ A/M: Different hole size

② 070: Display size 7"

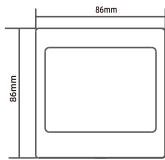
一、 EA Series Feature



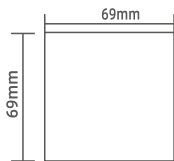
Model	EA-035A-T	EA-043A	EA-070B
Structure and environment			
Size(mm)	86×86×40.5	138×86×38	205×145×40
Hole size(mm)	69×69	132×80	192×138
Display size	3.5"(4:3)	4:3"(16:9)	7"(16:9)
Weight(g)	140	200	600
Working environment temperature	-20°C~55°C(no freeze)		
Working environment humidity	5~95%RH(condensation)		
Quakeproof	10~25HZ(XYZ direction 2G/30 minutes)		
Shell material	industrial plastic ABS+PC		
Power			
Power consumption(W)	3	3	4.5
Power supply	DC12-24V±15%		
Static test	class 2±4kV		
Display			
Resolution(PX)	320×240	480×272	800×480
Contrast	400:1	400:1	450:1
Brightness	350cd/m ²	400cd/m ²	450cd/m ²
Control panel	4-port high precision touch pad		
Color	260 thousand		
Backlight module	LED		
Hardware			
Storage	128MB FLASH+64MB DDR2		
CPU	ARM9 300MHz		
Interface			
Sd card	NO		
USB download	YES		
USB port	NO	YES	
Serial interface	COM:RS485	COM:RS232/422/485	
Other parameters			
FCC compatibility	qualified byFCC, Class A		
High-voltage insulation test	1000V AC,1 minute		
CE qualification	qualified by En55032 and EN55035		
Level of protection	Ip65(front panel)		
Software			
Software	SATOOL		

二、EA Series size

•EA-035A-T

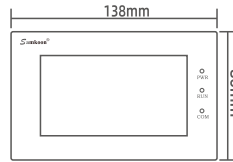


front

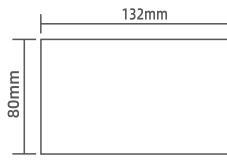


installation hole size

•EA-043A

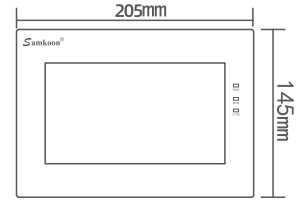


front

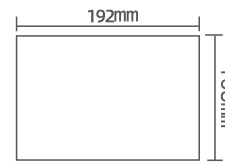


installation hole size

•EA-070B



front



installation hole size

一、Optional Accessories



USB Communication cables



Communication cables



Install the fixings

1. The USB communication cable is used for uploading and downloading project files, connecting the PC and the man-machine interface.
2. The communication cable connects the PLC and the man-machine interface to realize data communication, and the corresponding cable can be selected according to the PLC model used by the customer.

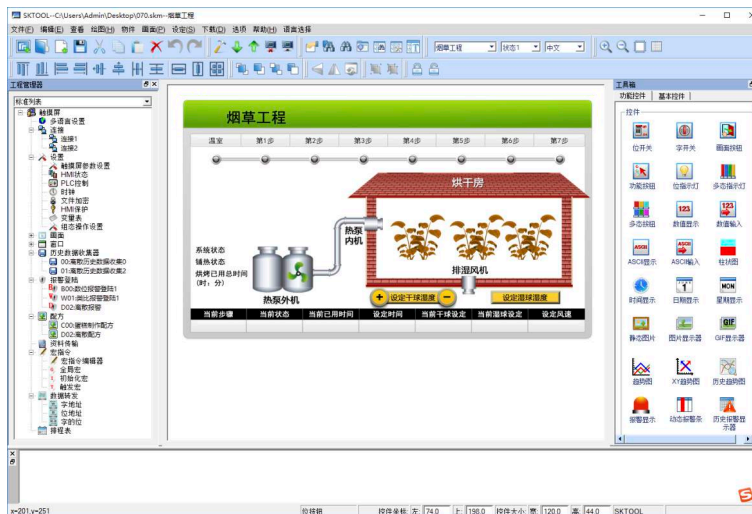
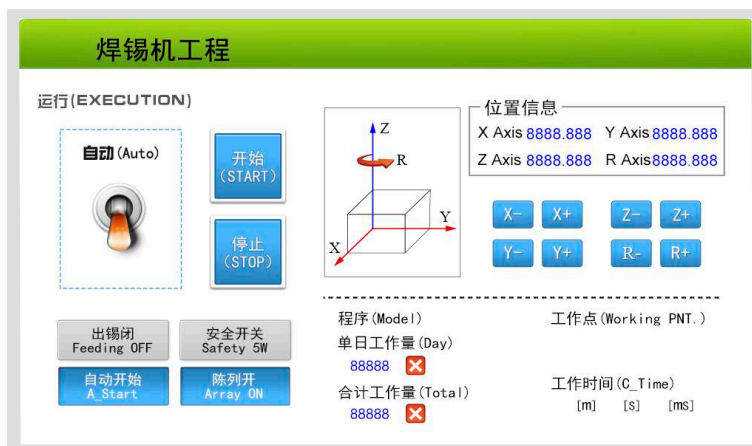
Note: Before using, please read the product manual in detail.

Parameters are subject to change without notice, please call for consultation.

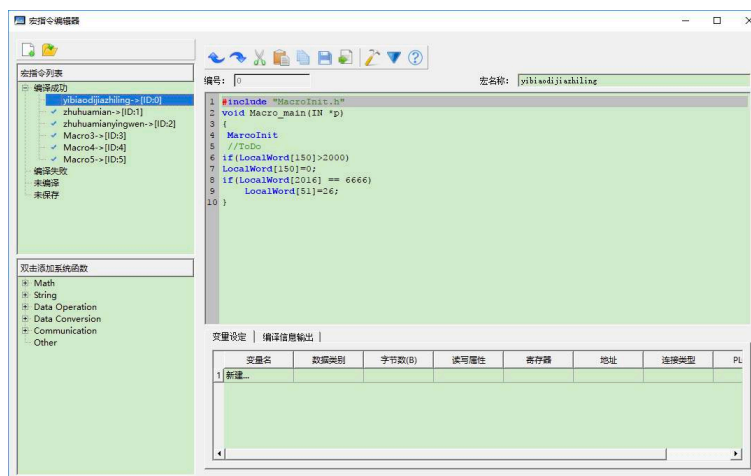
一、 Software features

- Graphical interface, easy to understand, powerful functions
- Support 50 language settings
- Support JPG, BMP, PNG, GIF and other image formats
- Support multiple groups of discrete recipes, alarms, historical data collection and other functions
- Support C language programming, Java programming
- Support offline/online simulation
- Support one-click modification of text/address
- Manage gadgets, support upload and download, firmware update and other operations
- Configuration software for free: SKTOOL, SATOOL

二、 Software Interface



二、software Interface



北京办事处

地址：北京市大兴区西红门嘉悦广场4号楼716

天津办事处

地址：天津市武清区杨村街道天房四季花苑12-202

河北办事处

地址：河北省石家庄长安区中山路508号东胜广场C栋614

东莞办事处

地址：广东省东莞市南城区宏图路86号南信产业国际D栋1216室

广佛办事处

地址：广东省佛山市南海区平洲宝石西路天富科技城1栋419室

上海办事处

地址：上海市松江区青城山路159弄茸绣苑10幢602

南京办事处

地址：南京市江宁区秦淮路15号温尚科技中心1号楼417显控科技南京办事处

无锡办事处

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