

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





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一、SK Series Feature

1 high-performance configuration

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

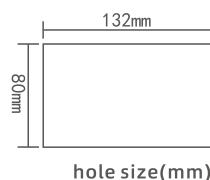
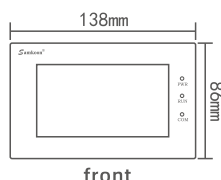
二、SK Series Naming Rules

SK	-	H	□□□	-	□	□
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-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/m²		
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		





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/m²	400cd/m²	450cd/m²	450cd/m²
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			



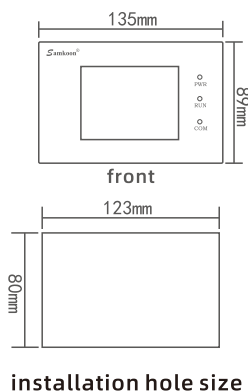
Model	SK-102CE SK-102CS	SK-102CG SK-102CW
structure and environment		
size(mm)	274 × 180 × 40	
hole size(mm)	255× 167	
display size	10.2"(16:9)	
weight(g)	1000	
working environment temperature	-20°C~55°C(no freeze)	
working environment humidity	5~95%RH(condensation)	
quakeproof	10~25HZ(XYZ direction 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	



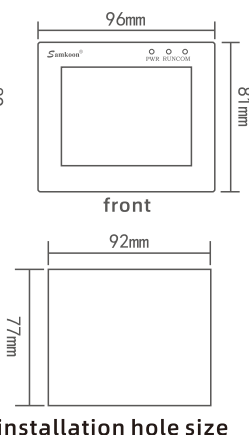
Model	SK-102HW SK-102HG	SK-102HE SK-102HS	SK-121FE SK-121FS	SK-H150AS
structure and environment				
size(mm)	275 × 211 × 44	275 × 211 × 44	340× 256× 54	365x 302 × 63
hole size(mm)	259× 201	259× 201	330× 246	356× 293
display size	10.2"(16:9)	10.2"(16:9)	12.1"(4:3)	15"(4:3)
weight(g)	1050	1050	2160	3000
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

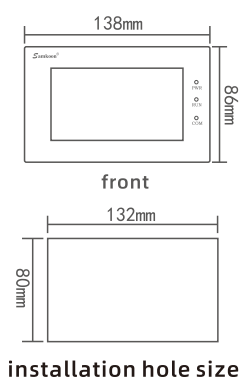
•SK-035FE



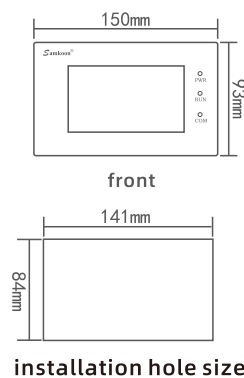
•SK-035UE



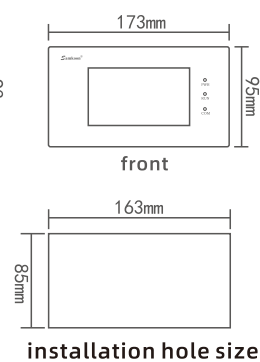
•SK-043UE



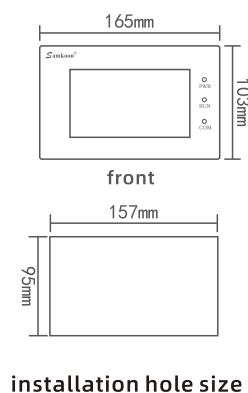
•SK-043FE



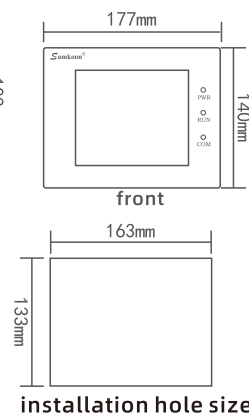
•SK-043HE/HS



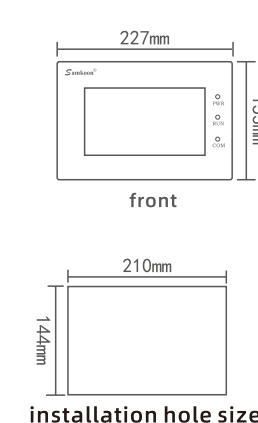
•SK-050HS/HE



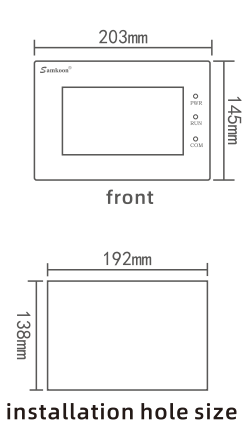
•SK-057FE



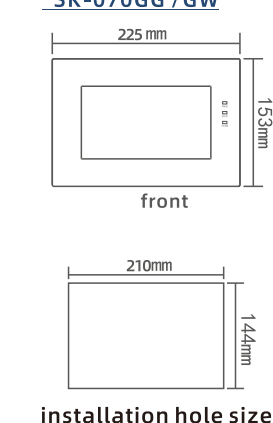
•SK-070FE/FS



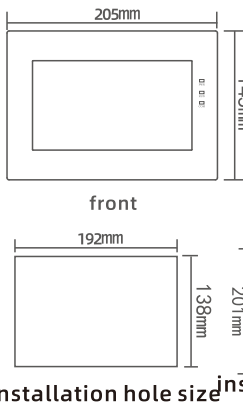
•SK-070HE/HS



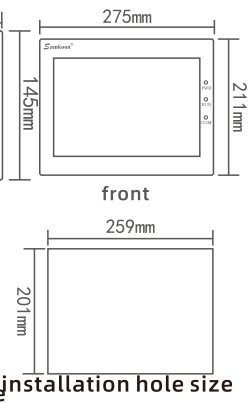
•SK-070GE/GS
SK-070GG /GW



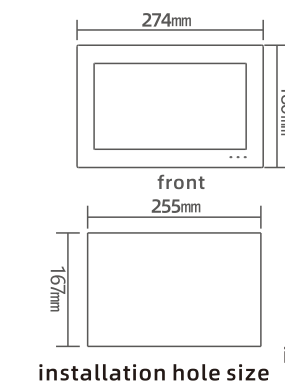
•SK-070ME/MS
SK-070MG/MW



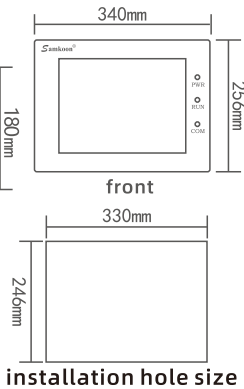
•SK-102HE/HS
SK-102HG/HW



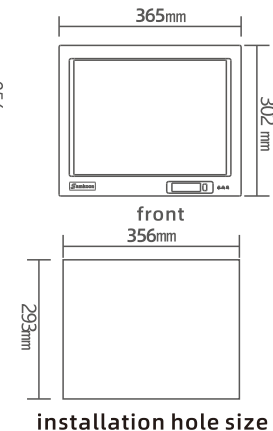
•SK-102CS/CE
SK-102CG/CW



•SK-121FE/FS

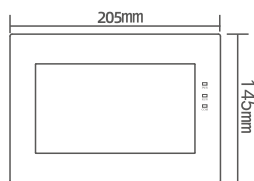


•SK-H150AS

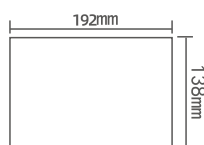


2、SK Series Size

•SK-070ME/MS
SK-070MG/MW

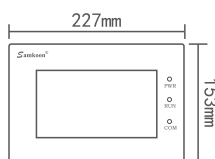


Front

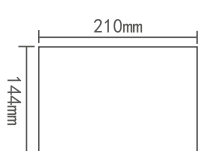


installation hole size

•SK-070FE/FS

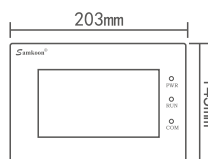


Front

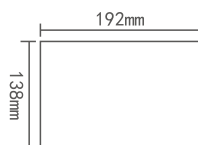


installation hole size

•SK-070HE/HS

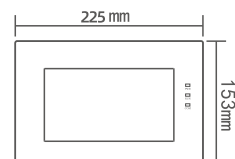


Front

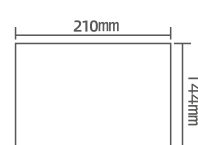


installation hole size

•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

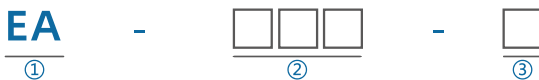
4 Dversified functional modules

- 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"

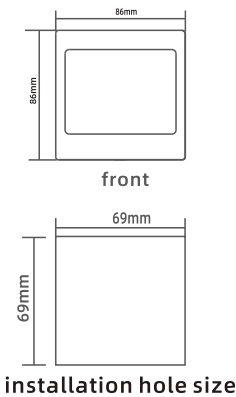
一、EA Series Feature



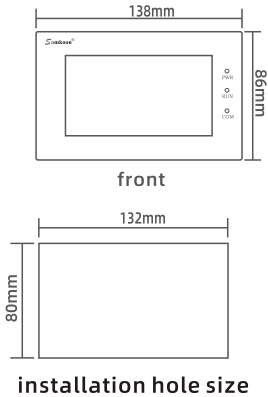
Model		EA-035A-T	EA-043A	EA-070B
Structure and environment				
Size(mm)		86× 86× 40.5	138 × 86× 38	205 × 145× 40
Hole size(mm)		69× 69	132 × 80	192 × 138
Display size		3.5"(4:3)	4:3"(16:9)	7"(16:9)
Weight(g)		140	200	600
Working environment temperature		-20℃~55℃(no freeze)		
Working environment humidity		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/m²	400cd/m²	450cd/m²
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

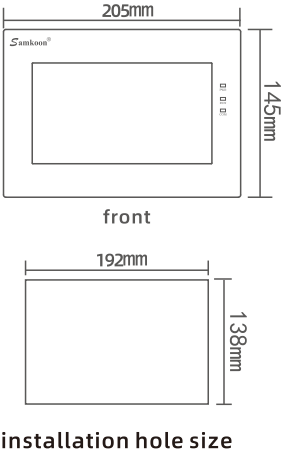
•EA-035A-T



•EA-043A



•EA-070B



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.

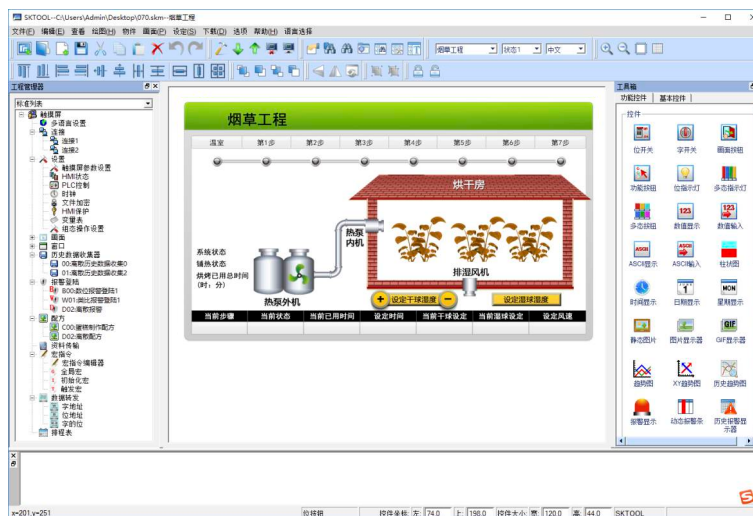
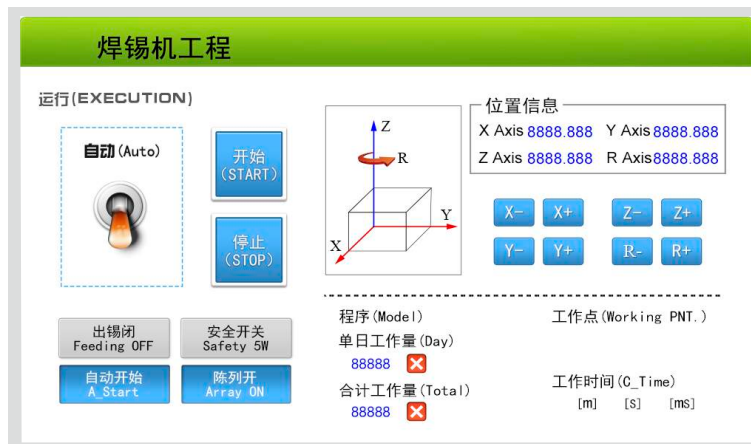
Note: Before using, please read the product manual in detail.

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

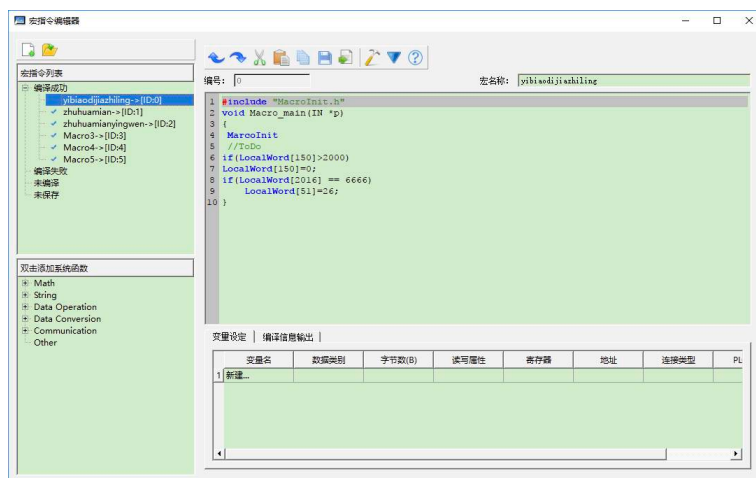
一、Software features

- 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

地址：江苏省无锡市滨湖区隐秀路813号喜年中心A1326

郑州办事处

地址：河南省郑州市金水区三全路与丰庆路交叉口泰和苑1-1-906

南宁办事处

地址：南宁市西乡塘区大学东路105号广西经济管理干部学院3号实验楼

青岛办事处

地址：山东省青岛市李沧区湘潭路中合产业加速器204

济南办事处

地址：山东省济南市槐荫区党杨路与国防路交叉口腊山御园6号楼一单元2001

沈阳办事处

地址：辽宁省沈阳市于洪区怒江北街18号

温州办事处

地址：温州市龙湾区滨海五道328号优凯实业3楼

成都办事处

地址：成都市郫都区红光镇港通北四路976号港东e时代 505

湖南办事处

地址：湖南省长沙市雨花区砂子塘街道新建东路阳光锦城9栋2006

陕西办事处

地址：陕西西安未央区北二环东段欣心家园3-2106



立足中国，服务全球

显控深耕工业自动化领域 10 多年，产品远销 30 多个国家和地区
服务了各行业的国内外领军企业，为不同规模的客户提供优质的产品和服务



深圳市显控科技股份有限公司

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