

SK Series (HMI)

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Dimension: 3. 5
Resolution: 320X240
Colors: 262144
USB download port
CPU Speed: RISC 400MHz
128M FLASH+64M DDR2 (SDRAM)
COM1: RS232/422/485

SK-035AE



Dimension: 4
Resolution: 320X240
Colors: 262144
USB download port/USB
CPU Speed: RISC 400MHz
128M FLASH+64M DDR2 (SDRAM)
COM1: RS232/422/485

SK-040AE



Dimension: 4. 3
Resolution: 480X272
Colors: 262144
USB download port/USB (AE; AE/B)
USB download port/USB/RJ45 (AS/B)
CPU Speed: RISC 400MHz
128M FLASH+64M DDR2 (SDRAM)
COM1: RS232/422/485

SK-043AE
SK-043AE/B
SK-043AS/B



Dimension: 5
Resolution: 480X272
Colors: 262144
USB download port/USB (AE)
USB download port/USB/RJ45 (AS)
CPU Speed: RISC 400MHz
128M FLASH+64M DDR2 (SDRAM)
COM1: RS232/422/485

SK-050AE
SK-050AS



Dimension: 5. 7
Resolution: 320X234
Colors: 262144
USB download port/USB (AE)
USB download port/USB/RJ45/SD card (AS)
CPU Speed: RISC 400MHz
128M FLASH+64M DDR2 (SDRAM)
COM1: RS232/422/485
COM2: RS232/422/485

SK-057AE
SK-057AS



Dimension: 7
Resolution: 800X480
Colors: 262144
USB download port/USB (AE/BE)
USB download port/USB/RJ45/SD card (AS)
CPU Speed: RISC 400MHz
128M FLASH+64M DDR2 (SDRAM)
COM1: RS232/422/485
COM2: RS232/422/485

SK-070AE **SK-070BE**
SK-070AS **SK-070BS**



Dimension: 7. 2
Resolution: 800X600
Colors: 262144
USB download port/USB (AE)
USB download port/USB/RJ45/SD card (AS)
CPU Speed: RISC 400MHz
128M FLASH+64M DDR2 (SDRAM)
COM1: RS232/422/485
COM2: RS232/422/485

SK-072AE
SK-072AS



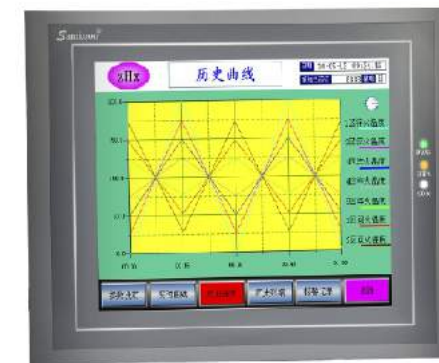
Dimension: 8
Resolution: 800X600
Colors: 262144
USB download port/USB (AE)
USB download port/USB/RJ45/SD card (AS)
CPU Speed: RISC 400MHz
128M FLASH+64M DDR2 (SDRAM)
COM1: RS232/422/485
COM2: RS232/422/485

SK-080AE
SK-080AS



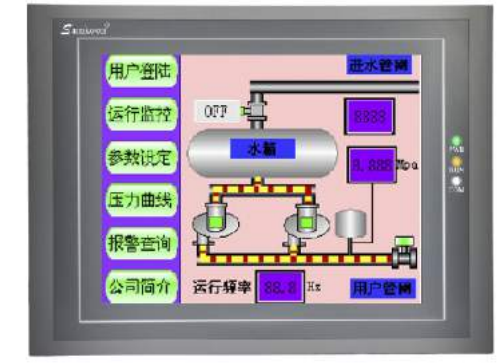
Dimension: 10. 2
Resolution: 800X480
Colors: 262144
USB download port/USB (AE)
USB download port/USB/RJ45/SD card (AS)
CPU Speed: RISC 400MHz
128M FLASH+64M DDR2 (SDRAM)
COM1: RS232/422/485
COM2: RS232/422/485

SK-102AE
SK-102AS



Dimension: 10. 4
Resolution: 800X600
Colors: 262144
USB download port/USB (AE)
USB download port/USB/RJ45/SD card (AS)
CPU Speed: RISC 400MHz
128M FLASH+64M DDR2 (SDRAM)
COM1: RS232/422/485
COM2: RS232/422/485

SK-104AE
SK-104AS



Dimension: 12. 1
Resolution: 800X600
Colors: 262144
USB download port/USB (AE)
USB download port/USB/RJ45/SD card (AS)
CPU Speed: RISC 400MHz
128M FLASH+64M DDR2 (SDRAM)
COM1: RS232/422/485
COM2: RS232/422/485

SK-121AE
SK-121AS

SK Series Specifications

Web: www.kwoco-plc.com
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Product Images								Product Images	
Specifications	Items	SK-035AE	SK-040AE	SK-043AE; SK-043AE/B; SK-043AS/B	SK-050AS; SK-050AE	SK-057AS; SK-057AE	SK-070AS; SK-070AE	Items	Specifications
Display	Dimension	3. 5'' (Length X Width=4: 3)	4'' (Length X Width=4: 3)	4. 3'' (Length X Width=16: 9)	5'' (Length X Width=16: 9)	5. 7'' (Length X Width=4: 3)	7'' (Length X Width=16: 9)	Dimension	Display
	Resolution	320x240	320x240	480x272	480x272	320x234	800x480	Resolution	
	Touch Panel	4- wire high precision touch panel				4- wire high precision touch panel		Touch Panel	
	Display Color	262, 144				262, 144		Display Color	
	Backlight Unit	LED				LED		Backlight Unit	
	Contrast	400: 1	450: 1	400: 1	400: 1	400: 1	400: 1	Contrast	
	Brightness	350cd/m ²	400cd/m ²	400cd/m ²	400cd/m ²	400cd/m ²	450cd/m ²	Brightness	
SD Card		N/A	N/A	N/A	N/A	Yes / N/A	Yes / N/A	SD Card	
Memory		128M/FLASH+64M DDR				128M/FLASH+64M DDR		Memory	
CPU		32-bit 400MHz RISC				32-bit 400MHz RISC		CPU	
FCC Compatibility		Compliances FCC, Class A				Compliances FCC, Class A		FCC Compatibility	
Dielectric Strength Test		1000V AC,one minute				1000V AC,one minute		Dielectric Strength Test	
CE certification		Compliances EN55022 and En55024				Compliances EN55022 and En55024		CE certification	
Protection Grade		Ip65 Front panel				Ip65 Front panel		Protection Grade	
Housing Material		Engineering Plastics: ABS + PC				Engineering Plastics: ABS + PC		Housing Material	
Configuration Software		SKWorkshop				SKWorkshop		Configuration Software	
Power Supply	Power supply	DC24V (+/-15%)				DC24V (+/-15%)		Power supply	Power Supply
	Power consumption	3w	3w	3w	3w	4w	6w	Power consumption	
Interface	Serial interface	COM1: RS232/422/485	COM1: RS232/422/485	COM1: RS232/422/485	COM1: RS232/422/485	COM1: RS232/422/485 COM2: RS232/422/485	COM1: RS232/422/485 COM2: RS232/422/485	Serial interface	Interface
	USB download port	Yes	Yes	Yes / Yes /Yes	Yes / Yes	Yes / Yes	Yes / Yes	USB download port	
	USB	N/A	Yes	Yes / Yes /Yes	Yes / Yes	Yes / Yes	Yes / Yes	USB	
	RJ 45	N/A	N/A	N/A / N/A /Yes	N/A / N/A	Yes / N/A	Yes / N/A	RJ 45	
Environment	Operation Environment Temperature	-10~65℃				-10~65℃		Operation Environment Temperature	Environment
	Operation Environment Humidity	10~90%RH				10~90%RH		Operation Environment Humidity	
	Anti-Vibration	10-25Hz (XYZ direction 2G/30 minute)				10-25Hz (XYZ direction 2G/30 minute)		Anti-Vibration	
Mechanical	Dimension (width x height x depth, mm)	136X89X39 (mm)	123X99X39 (mm)	AE: 151X93X39 (mm) AE/B; AS/B: 173X96X39 (mm)	165X103X39 (mm)	202X144X40 (mm)	228X154X41 (mm)	Dimension (width x height x depth, mm)	Mechanical
	Cut-out (width x height, mm)	124X81 (mm)	114X90 (mm)	AE: 142X85 (mm) AE/B, AS/B: 165X86 (mm)	157X95 (mm)	192X138 (mm)	211X145 (mm)	Cut-out (width x height, mm)	
	Weight	0. 2kg	0. 2kg	0. 2kg	0. 8kg	0. 8kg	1. 5kg	Weight	



SK Series Specifications

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Product Images								Product Images	
Specifications	Items	SK-070BS; SK-070BE	SK-072AS; SK-072AE	SK-080AS; SK-080AE	SK-102AS; SK-102AE	SK-104AS; SK-104AE	SK-121AS; SK-121AE	Items	Specifications
Display	Dimension	7" (Length X Width=16: 9)	7. 2" (Length X Width=4: 3)	8" (Length X Width=4: 3)	10. 2" (Length X Width=16: 9)	10. 4" (Length X Width=4: 3)	12. 1" (Length X Width=4: 3)	Dimension	Display
	Resolution	800x480	800x600	800x600	800x480	800x600	800x600	Resolution	
	Touch Panel	4- wire high precision touch panel				4- wire high precision touch panel		Touch Panel	
	Display Color	262, 144				262, 144		Display Color	
	Backlight Unit	LED				LED		Backlight Unit	
	Contrast	400: 1	450: 1	450: 1	450: 1	450: 1	450: 1	Contrast	
	Brightness	450cd/m²	450cd/m²	450cd/m²	500cd/m²	500cd/m²	500cd/m²	Brightness	
SD Card		Yes / N/A	Yes / N/A	Yes / N/A	Yes / N/A	Yes / N/A	Yes / N/A	SD Card	
Memory		128M/FLASH+64M DDR				128M/FLASH+64M DDR		Memory	
CPU		32-bit 400MHz RISC				32-bit 400MHz RISC		CPU	
FCC Compatibility		Compliances FCC, Class A				Compliances FCC, Class A		FCC Compatibility	
Dielectric Strength Test		1000V AC,one minute				1000V AC,one minute		Dielectric Strength Test	
CE certification		Compliances EN55022 and En55024				Compliances EN55022 and En55024		CE certification	
Protection Grade		Ip65 Front panel				Ip65 Front panel		Protection Grade	
Housing Material		Engineering Plastics: ABS + PC				Engineering Plastics: ABS + PC		Housing Material	
Configuration Software		SKWorkshop				SKWorkshop		Configuration Software	
Power Supply	Power supply	DC24V (+/-15%)				DC24V (+/-15%)		Power supply	Power Supply
	Power consumption	6w	6w	7w	8w	8w	12w	Power consumption	
Interface	Serial interface	COM1: RS232/422/485 COM2: RS232/422/485	COM1: RS232/422/485 COM2: RS232/422/485	COM1: RS232/422/485 COM2: RS232/422/485	COM1: RS232/422/485 COM2: RS232/422/485	COM1: RS232/422/485 COM2: RS232/422/485	COM1: RS232/422/485 COM2: RS232/422/485	Serial interface	Interface
	USB download port	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	USB download port	
	USB	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	USB	
	RJ 45	Yes / N/A	Yes / N/A	Yes / N/A	Yes / N/A	Yes / N/A	Yes / N/A	RJ 45	
Environment	Operation Environment Temperature	-10~65℃				-10~65℃		Operation Environment Temperature	Environment
	Operation Environment Humidity	10~90%RH				10~90%RH		Operation Environment Humidity	
	Anti-Vibration	10-25Hz (XYZ direction 2G/30 minute)				10-25Hz (XYZ direction 2G/30 minute)		Anti-Vibration	
Mechanical	Dimension (width x height x depth, mm)	203X145X40 (mm)	203X165X40 (mm)	239X192X49 (mm)	266X208X40 (mm)	312X225X54 (mm)	338X253X65 (mm)	Dimension (width x height x depth, mm)	Mechanical
	Cut-out (width x height , mm)	192X138 (mm)	186X156 (mm)	235X188 (mm)	261X203 (mm)	286X214 (mm)	330X246 (mm)	Cut-out (width x height , mm)	
	Weight	1. 5kg	1. 5kg	1. 8kg	2kg	2. 05kg	2. 26kg	Weight	



System Brief

- 1. Humanized configuration design
- 2. Support of customized screensaver
- 3. File up/down load password protection
- 4. Support of customized startup screen
- 5. NAND FLASH, storage of data and pictures
- 6. Support of communication with various PLC, MCU and Intelligent modules

Added module function

- 1. Sliding analog switch, realizing sliding data input
- 2. Dropdown boxes, choice list framed by displayed multi-items
- 3. Various tendency chart as display element
- 4. Others

Text Font

- 1. Support of multi-languages, free shift for five language fonts
- 2. Support True type(TTF) font
- 3. Support font editors with complex properties, Unicode and international standard

Basic Graph

- 1. Support of basic graphics drawing
- 2. Support of graphics drawing with table and scaling
- 3. Rich graphics drawing effects

Safety Use

- 1. Brand new password mechanism, more safe and reliable

Chart Gallery

- 1. Providing lots of vector graphics for various industries
- 2. Support of customized vector graphics, painting available
- 3. Support BMP and JPG as graphics library
- 4. Outline border of standard commonly used vector graphics provided

Macro instruction,

- 1. Support of C programming script
- 2. Support of manual setting for function library
- 3. Support of FreePort communication protocol
- 4. Support of C standard arithmetic functions, more convenient for use
- 5. Multiple executive modes

USB Flash Disk

- 1. Support of USB updated
- 2. Support of USB data's import and export
- 3. Support of USB's formula updated

Printer, Serial Network

- 1. Support of USB printer for printing pictures and data etc.
- 2. To communicate by RS485, achieve maximum connection as 32 PLC or smart device communication

Penetrating Communication

- 1. PC communicate with PLC or connecting equipments via HMI
- 2. Two HMIS can communicate with same one PLC

Ethernet Communication

- 1. Through ethernet, communications between HMI to HMI or HMI to control devices are realized.

On-line simulation

- 1. In use of computer to connect PLC for simulating configuration project, data obtained by PLC

Imgaes

- 1. Support of BMP, JPG, GIF and PNG etc.
- 2. Support of dynamic pictures as format GIF.

Others

- 1. Alert functional expansion
- 2. System function port provided
- 3. Import and export of data

As we all known, quality is the foundation that enterprises depend on for existence and development. Samkoon strictly follows the requiements of ISO9001:2008 to do the comprehensive quality management. With our outstanding professionals, advanced producing and testing equipments and spacious bright clean room etc which to substantial support for our product's quality control. All in all, Samkoon will as always adhere to our operation philosophy as“First-Class Products Technology Leads, Top Company Integrity Manages” to provide great services for all our customers.

Alternative accessories are available



USB Communication Cable



Communication Cable



Mounting Fixing Parts

- 1. Of USB communication cable for project files' up/downloading, connecting PC to HMI.
 - 2. Of communication cable connect to PLC and HMI, depending on the used PLC type to choose the correct cable.
- Note: Please read the product manual carefully prior to use.

Specifications are subject to change without notice. Please contact Samkoon for any enquires.