











# INTEGRATED PLC+HMI




Specifications	ITEMS			
		GC-043-16MAI [PLC (8*8) AND HMI(4.3" TOUCH) Combination]		
Display	Dimension	4.3"		
	Resolution	480*272		
	Touch Panel	4 Wire High Precision Touch Panel		
	Display Colour	262,144		
	Service Life of Backlight	60,000 hrs.		
User Memory		32M		
Dielectric Strength Test		1000 V AC,one minute		
Protection Grade		IP65 Front Panel		
Housing Material		Engineering Plastic :ABS + PC		
Power Supply	Power Supply	DC24V(+/-15%)		
Interface	Serial Interface	COM1:RS232/422/485	COM1:RS232/422/485	COM1:RS232/422/485
	USB Download Port	Yes	Yes	Yes
	USB	N/A	N/A	N/A
Environment	Operation environment temp.	-10 to 65*c		
	Operation Environment humidity	10 to 90%RH		
Mechanical	Dimension (Width*Height*Depth)	150*93*43.5		
	Cut-out (Width*Height)	141*84		
PLC INPUTS	Digital	8		
	Analog	2(0-5 v or 4-20ma)		
PLC OUTPUTS	Digital	8		
	Analog	N/A		
Expansion		N/A		




## SA Series HMI

Specifications	ITEMS			
		SA-3.5A	SA-4.3	SA-5.7A
Display	Dimension	3.5"(Length x Width=4:3)	4.3"(Length x Width=16:9)	5.7"(Length x Width=4:3)
	Resolution	320*240	480*272	640*480
	Touch Panel	4 Wire High Precision Touch Panel		5 Wire High Precision Touch Panel
	Display Colour	262,144		
	Service Life of Backlight	60,000 hrs.		
	Contrast	400:1	450:1	400:1
	Brightness	350cd/m2	400cd/m2	400cd/m2
User Memory		12M		
Dielectric Strength Test		1000 V AC,one minute		
Protection Grade		IP65 Front Panel		
Housing Material		Engineering Plastic :ABS + PC		
Power Supply	Power Supply	DC24V(+/-15%)		
	Power Consumption	3w	3w	4w
Interface	Serial Interface	COM1:RS232/422/485	COM1:RS232/422/485	COM1:RS232/422/485
	USB Download Port	Yes	Yes	Yes
	USB	N/A	N/A	N/A
Environment	Operation environment temp.	-10 to 65*c		
	Operation Environment humidity	10 to 90%RH		
Mechanical	Dimension (Width*Height*Depth)	96*81*46(mm)	138*86*37(mm)	172*140*58.5(mm)
	Cut-out (Width*Height)	92*77(mm)	131*79(mm)	163*133(mm)
	Weight	0.2 kg	0.2 kg	0.8 kg

Specifications	ITEMS			
		SA-5.7B	SA-5.7C	SA-5.7D
Display	Dimension	5.7"(Length x Width=4:3)	5.7"(Length x Width=4:3)	5.7"(Length x Width=4:3)
	Resolution	640*480	320*234	640*480
	Touch Panel	5 Wire High Precision Touch Panel		
	Display Colour	262,144		
	Service Life of Backlight	60,000 hrs.		
	Contrast	400:1	400:1	400:1
	Brightness	400cd/m2	400cd/m2	400cd/m2
User Memory		12M		
Dielectric Strength Test		1000 V AC,one minute		
Protection Grade		IP65 Front Panel		
Housing Material		Engineering Plastic :ABS + PC		
Power Supply	Power Supply	DC24V(+/-15%)		
	Power Consumption	4w	4w	4w
Interface	Serial Interface	COM1:RS232/422/485	COM1:RS232/422/485	COM1:RS232/422/485
	USB Download Port	Yes	Yes	Yes
	USB	N/A	N/A	N/A
Environment	Operation environment temp.	-10 to 65*c		
	Operation Environment humidity	10 to 90%RH		
Mechanical	Dimension (Width*Height*Depth)	172*140*58.5(mm)	172*140*58.5(mm)	202*144*40(mm)
	Cut-out (Width*Height)	163*133(mm)	163*133(mm)	192*138(mm)
	Weight	0.8 kg	0.8 kg	0.8 kg




Specifications	ITEMS			
		SA-5.7E	SA-.5.7F	SA-7A
Display	Dimension	5.7"(Length x Width=4:3)	5.7"(Length x Width=4:3)	7"(Length x Width=16:9)
	Resolution	640*480	320*234	800*480
	Touch Panel	5 Wire High Precision Touch Panel		
	Display Colour	262,144		
	Service Life of Backlight	60,000 hrs.		
	Contrast	400:1	400:1	450:1
	Brightness	400cd/m2	400cd/m2	450cd/m2
User Memory		12M		
Dielectric Strength Test		1000 V AC,one minute		
Protection Grade		IP65 Front Panel		
Housing Material		Engineering Plastic :ABS + PC		
Power Supply	Power Supply	DC24V(+/-15%)		
	Power Consumption	4w	4w	6w
Interface	Serial Interface	COM1:RS232/422/485	COM1:RS232/422/485	COM1:RS232/422/485
	USB Download Port	Yes	Yes	Yes
	USB	N/A	N/A	N/A
Environment	Operation environment temp.	-10 to 65*c		
	Operation Environment humidity	10 to 90%RH		
Mechanical	Dimension (Width*Height*Depth)	202*144*40(mm)	202*144*40(mm)	216*150*40.5(mm)
	Cut-out (Width*Height)	192*138(mm)	192*138(mm)	210*144(mm)
	Weight	0.8 kg	0.8 kg	1.5 kg

Specifications	ITEMS			
		SA-7B	SA-8	SA-10.2
Display	Dimension	7"(Length x Width=16:9)	8"(Length x Width=4:3)	10.2"(Length x Width=16:9)
	Resolution	800*480	800*600	800*480
	Touch Panel	5 Wire High Precision Touch Panel		
	Display Colour	262,144		
	Service Life of Backlight	60,000 hrs.		
	Contrast	450:1	450:1	450:1
	Brightness	450cd/m2	450cd/m2	500cd/m2
User Memory		12M		
Dielectric Strength Test		1000 V AC,one minute		
Protection Grade		IP65 Front Panel		
Housing Material		Engineering Plastic :ABS + PC		
Power Supply	Power Supply	DC24V(+/-15%)		
	Power Consumption	6w	7w	7w
Interface	Serial Interface	COM1:RS232/422/485	COM1:RS232/422/485	COM1:RS232/422/485
	USB Download Port	Yes	Yes	Yes
	USB	N/A	N/A	N/A
Environment	Operation environment temp.	-10 to 65*c		
	Operation Environment humidity	10 to 90%RH		
Mechanical	Dimension (Width*Height*Depth)	202*144*40(mm)	239*192*49.5(mm)	266*208*40.5(mm)
	Cut-out (Width*Height)	192*138(mm)	234*187(mm)	260*202(mm)
	Weight	1.5 kg	1.8 kg	2.2 kg

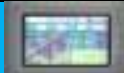


Specifications	ITEMS			
		SA-10.4A	SA-10.4B	SA-12.1A
Display	Dimension	10.4"(Length x Width=4:3)	10.4"(Length x Width=4:3)	12.1"(Length x Width=4:3)
	Resolution	800*600	800*480	800*600
	Touch Panel	5 Wire High Precision Touch Panel		
	Display Colour	262,144		
	Service Life of Backlight	60,000 hrs.		
	Contrast	450:1	450:1	450:1
	Brightness	450cd/m2	450cd/m2	450cd/m2
User Memory		12M		
Dielectric Strength Test		1000 V AC,one minute		
Protection Grade		IP65 Front Panel		
Housing Material		Engineering Plastic :ABS + PC		
Power Supply	Power Supply	DC24V(+/-15%)		
	Power Consumption	8w	8w	8w
Interface	Serial Interface	COM1:RS232/422/485	COM1:RS232/422/485	COM1:RS232/422/485
	USB Download Port	Yes	Yes	Yes
	USB	N/A	N/A	N/A
Environment	Operation environment temp.	-10 to 65*c		
	Operation Environment humidity	10 to 90%RH		
Mechanical	Dimension (Width*Height*Depth)	312*225*54(mm)	312*225*54(mm)	338*253*65(mm)
	Cut-out (Width*Height)	285*213(mm)	285*213(mm)	328*245(mm)
	Weight	2.2 kg	2.2 kg	1.8 kg

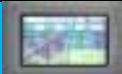

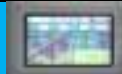
**SK SERIES HMI**

Specifications	ITEMS	SK-050AS:SK-050AE	SK-057AS:SK-057AE	SK-070AS:-SK-070AE
Display	Dimension	5"(Length x Width=16:9)	5.7"(Length x Width=4:3)	7"(Length x Width=16:9)
	Resolution	480*272	320*234	800*480
	Touch Panel	4 Wire High Precision Touch Panel		
	Display Colour	262,144		
	Backlight Unit	LED		
	Contrast	400:1	400:1	400:1
	Brightness	400cd/m2	400cd/m2	450cd/m2
SD Card	N/A	Yes / N/A	Yes / N/A	
Memory	128M/FLASH+64 M DDR			
CPU	32-bit 400Mhz RISC			
Dielectric Strength Test	1000 V AC,one minute			
Protection Grade	IP65 Front Panel			
Housing Material	Engineering Plastic :ABS + PC			
Power Supply	Power Supply	DC24V(+/-15%)		
	Power Consumption	3w	4w	6w
Interface	Serial Interface	COM1:RS232/422/485	COM1:RS232/422/485 COM2:RS232/422/485	COM1:RS232/422/485 COM2:RS232/422/485
	USB Download Port	Yes/Yes	Yes/Yes	Yes /Yes
	USB	Yes/Yes	Yes/Yes	Yes /Yes
	RJ45	N/A / N/A	Yes / N/A	Yes / N/A
Environment	Temp.	-10 to 65*c		
	Humidity	10 to 90%RH		
	Anti-Vibration	10-25 Hz (X Y Z Direction 2G/30Minute)		
Mechanical	Dimension (Width*Height*Depth)	165*103*39(mm)	202*144*40(mm)	228*154*41(mm)
	Cut-out (Width*Height)	157*95(mm)	192*138(mm)	211*145(mm)
	Weight	0.8 kg	0.8 kg	1.5 kg

Specifications	ITEMS			
		SK-035AE	SK-040AE	SK-043AE:SK-043AE/B:SK-043AS/B
Display	Dimension	3.5"(Length x Width=4:3)	4"(Length x Width=4:3)	4.3"(Length x Width=16:9)
	Resolution	320*240	320*240	480*272
	Touch Panel	4 Wire High Precision Touch Panel		
	Display Colour	262,144		
	Backlight Unit	LED		
	Contrast	400:1	450:1	400:1
	Brightness	350cd/m2	400cd/m2	400cd/m2
SD Card	N/A	N/A	N/A	
Memory	128M/FLASH+64 M DDR			
CPU	32-bit 400Mhz RISC			
Dielectric Strength Test	1000 V AC,one minute			
Protection Grade	IP65 Front Panel			
Housing Material	Engineering Plastic :ABS + PC			
Power Supply	Power Supply	DC24V(+/-15%)		
	Power Consumption	3w	3w	3w
Interface	Serial Interface	COM1:RS232/422/485	COM1:RS232/422/485	COM1:RS232/422/485
	USB Download Port	Yes	Yes	Yes /Yes /Yes
	USB	N/A	Yes	Yes /Yes /Yes
	RJ45	N/A	N/A	N/A /N/A /Yes
Environment	Temp.	-10 to 65*c		
	Humidity	10 to 90%RH		
	Anti-Vibration	10-25 Hz (X Y Z Direction 2G/30Minute)		
Mechanical	Dimension (Width*Height*Depth)	136*89*39(mm)	123*99*39(mm)	AE:-151*93*39(mm) AE/B:AS/B:-173*96*39(mm)
	Cut-out (Width*Height)	124*81(mm)	114*90(mm)	AE:-142*85(mm) AE/B:AS/B:-165*86(mm)
	Weight	0.2 kg	0.2 kg	0.2 kg



Specifications	ITEMS			
		SK-070BS:SK-070BE	SK-072AS:SK-072AE	SK-080AS:-SK-080AE
Display	Dimension	7"(Length x Width=16:9)	7.2"(Length x Width=4:3)	8"(Length x Width=4:3)
	Resolution	800*480	800*600	800*600
	Touch Panel	4 Wire High Precision Touch Panel		
	Display Colour	262,144		
	Backlight Unit	LED		
	Contrast	400:1	450:1	450:1
	Brightness	450cd/m2	450cd/m2	450cd/m2
SD Card	Yes / N/A	Yes / N/A	Yes / N/A	
Memory	128M/FLASH+64 M DDR			
CPU	32-bit 400Mhz RISC			
Dielectric Strength Test	1000 V AC,one minute			
Protection Grade	IP65 Front Panel			
Housing Material	Engineering Plastic :ABS + PC			
Power Supply	Power Supply	DC24V(+/-15%)		
	Power Consumption	6w	6w	7w
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
	USB Download Port	Yes/Yes	Yes/Yes	Yes /Yes
	USB	Yes/Yes	Yes/Yes	Yes /Yes
	RJ45	Yes / N/A	Yes / N/A	Yes / N/A
Environment	Temp.	-10 to 65*c		
	Humidity	10 to 90%RH		
	Anti-Vibration	10-25 Hz (X Y Z Direction 2G/30Minute)		
Mechanical	Dimension (Width*Height*Depth)	203*145*40(mm)	203*165*40(mm)	239*192*49(mm)
	Cut-out (Width*Height)	192*138(mm)	186*156(mm)	235*188(mm)
	Weight	1.5 kg	1.5 kg	1.8 kg

Specifications	ITEMS			
		SK-102AS:SK-102AE	SK-104AS:SK-104AE	SK-121AS:SK-121AE
Display	Dimension	10.2"(Length x Width=16:9)	10.4"(Length x Width=4:3)	12.1"(Length x Width=4:3)
	Resolution	800*480	800*600	800*600
	Touch Panel	4 Wire High Precision Touch Panel		
	Display Colour	262,144		
	Backlight Unit	LED		
	Contrast	450:1	450:1	450:1
	Brightness	500cd/m2	500cd/m2	500cd/m2
SD Card	Yes / N/A	Yes / N/A	Yes / N/A	
Memory	128M/FLASH+64 M DDR			
CPU	32-bit 400Mhz RISC			
Dielectric Strength Test	1000 V AC,one minute			
Protection Grade	IP65 Front Panel			
Housing Material	Engineering Plastic :ABS + PC			
Power Supply	Power Supply	DC24V(+/-15%)		
	Power Consumption	8w	8w	12w
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
	USB Download Port	Yes/Yes	Yes/Yes	Yes /Yes
	USB	Yes/Yes	Yes/Yes	Yes /Yes
	RJ45	Yes / N/A	Yes / N/A	Yes / N/A
Environment	Temp.	-10 to 65*c		
	Humidity	10 to 90%RH		
	Anti-Vibration	10-25 Hz (X Y Z Direction 2G/30Minute)		
Mechanical	Dimension (Width*Height*Depth)	266*208*40(mm)	312*225*54(mm)	338*253*65(mm)
	Cut-out (Width*Height)	261*203(mm)	286*214(mm)	330*246(mm)
	Weight	2.0 kg	2.05 kg	2.26 kg

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