GREEN Series HMI

GH070/GH070E

Product Features：

- Industrial grade CPU, 800MHz, 128M DDR3;
- 7", high-definition display, 16.77 million true colors;
- Main board three-defence treatment and isolation of power and serial port to effectively deal with complex environment;
- Up to 4 serial ports for different levels of requirements;
- Sealing design of buckle for waterproof and oil resistance.

The GREEN series cooperates with configuration software : **Kinco DTools.**

It supports eight languages versions of Chinese, Traditional Chinese, English ,Korean,Germany,Russia, Arabic and Turkey.
The configuration design content supports all fonts installed in computer system.
It supports cloud monitoring. VNC achieves interoperation between HMI and HMI, HMI and PC, mobile phones(or other terminals), supports convenient components such as installment, PDF browsing and operating log records for designing guiding interface.

GREEN Series HMI
GH070/GH070E

Model	GH070	GH070E	Mechanical Dimensions (Unit : mm)
Performance specification			
Display size	7"TFT		
Display area	154.08mm(W)x85.92mm(H)		
Resolution	800*480 pixels		
Display color	16.7M color		
Display angle of view	70/70/50/70(left/right/up/down)		
Contrast ratio	500:1		
Backlight	LED		
Brightness	400cd/m^2		
Backlight life	More than 30000 hours		
Touch panel	4 line precision resistance network (surface hardness 4H)		
CPU	ARM RISC 32Bit 800MHz		
Storage	256MB NAND Flash Memory+128MB DDR3 Memory		
RTC	Built-in		
Extensible memory	1 USB Host	1 USB Host + 1 SD Card	
Print port	USB Host/serial port	USB Host/serial port	
Ethernet	None	10/100M self-adaption	
Program download	USB Slave(Type B)/U disk	USB Slave(Type B) /U disk/Ethernet	
Communication port	COM0:RS232/RS485/RS422; COM1:RS232/RS485/RS422; COM2:RS232; COM3:RS485		
Serial port isolation	None	Built-in	
Electrical specifications			
Input power supply	DC12V~DC28V,Built-in isolation power supply		
Rated power	5W @24V DC		
Allowable loss of power	<3ms		
Insulation resistance	Over 50MΩ@500V DC		
Hi-pot test	500 VAC 1 minute		
Structure specifications			
PCB	exquisite spraying		
Shell material	Engineering plastic		
Shape size	207mm*125mm*41mm		
Cutout size	194mm*113mm		
Weight	0.6Kg		
Environmental specifications			
working Temperature	-10 ~ 55℃		
working Humidity	10 ~ 90％RH（non-condensing）		
Storage temperature	-20 ~ 60℃		
Storage humidity	10 ~ 90％RH（non-condensing）		
Sine vibration test	10 ~ 500Hz, 30m/s^2, X, Y, Z direction/hour		
Cooling mode	Natural air cooling		
Product certification			
Panel protection grade	Conforming to IP65 certification(4208—93)		
CE authentication	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005		
Software			
Configuration software	Kinco DTools V4.1 and above		

Mechanical Dimensions (Unit : mm)

106.2
192.8
206.9
124.4
41
5
112
106.2
194
113
Cut-out size