



# GREEN Series HMI GH043/GH043E

## Product Features:

- Industrial grade CPU, 800MHz, 128M DDR3
- 4.3", high-definition display, 16.77 million true colors;
- Built-in isolated power to enhance reliability;
- Main board three-defence treatment to effectively deal with complex environment.



The GREEN series cooperates with new generation free 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 GH043/GH043E



Model	GH043	GH043E
<b>Performance specification</b>		
Display size	4.3" TFT	
Display area	95.04mm(W)x53.86mm(H)	
Resolution	480*272 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	300cd/m <sup>2</sup>	
Backlight life	More than 30000 hours	
Touch panel	4 line precision resistance network (surface hardness 4H)	
CPU	ARM RISC 32Bit 800MHz	
Storage	128MB NAND Flash Memory+128MB DDR3 Memory	
RTC	Built-in	
Extensible memory	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; COM2:RS232	COM0:RS232/RS485/RS422; COM2:RS232
Serial port isolation	None	None
<b>Electrical specifications</b>		
Input power supply	DC10.8V ~ DC28V,Built-in isolation power supply	
Rated power	3.5W @24V DC	
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	
Hi-pot test	500 VAC 1 minute	
<b>Structure specifications</b>		
PCB	exquisite spray	
Shell material	Engineering plastic	
Shape size	154mm*89mm*60mm	
Cutout size	146mm*81mm	
Weight	0.4Kg	
<b>Environmental specifications</b>		
Working Temperature	-10 ~ 55°C	
Working Humidity	10 ~ 90%RH ( non-condensing )	
Storage Temperature	-20 ~ 60°C	
Storage Humidity	10 ~ 90%RH ( non-condensing )	
Sine vibration test	10 ~ 500Hz, 30m/s <sup>2</sup> , X, Y, Z direction/hour	
Cooling mode	Natural air cooling	
<b>Product certification</b>		
Panel protection grade	Conforming to IP65 certification(4208—93)	
CE authentication	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005	
<b>Software</b>		
Configuration software	Kinco DTools V3.2 and above	

### Mechanical Dimensions ( Unit : mm )

