

# Kinco GR Series

## HMI installed without front shell

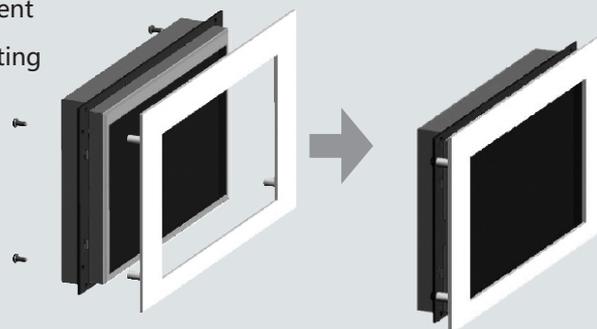
### Product Features:

- GR series consists of 3 models : GR043、GR070E、GR100E;
- GR series USB slave adopts micro USB interface ;
- GR series adopts the way of rear installation and fixation, which can perfectly fit the surface of the equipment and integrate with the equipment
- Customers can design their own mask according to their needs, highlighting the grade of equipment.

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 installation, PDF browsing and operating log records for designing guiding interface.





Model	GR043	GR070E	GR100E
<b>Performance specification</b>			
Display size	4.3" TFT	7" TFT	10.1" TFT
Resolution	480×272pixel	800×480pixel	1024×600pixel
Display color	1677M		
Brightness	450cd/m <sup>2</sup>	250cd/m <sup>2</sup>	400cd/m <sup>2</sup>
Backlight type	LED		
Touch panel	4 line precision resistance network (surface hardness 4H)		
Backlight life	More than 30000 hours		
CPU	ARM RISC 32Bit 800MHz		
Storage	128MB NAND Flash Memory+128MB DDR3 Memory		
RTC	Built-in		
Extensible memory	1 USB Host		
Print port	USB/ Serial port		
Ethernet	none	10/100M self-adaption	
Program download	USB/serial port	USB/serial port/Ethernet	
Communication port	COM0:RS232/RS485/RS422; COM2: RS232		
<b>Electrical specifications</b>			
Rated power	2W@24VDC	3.6W@24VDC	6W@24VDC
Input power supply	DC10V ~ DC28V		
Allowable loss of power	<3ms		
Insulation resistance	over 50MΩ@500V DC		
Hi-pot test	500 VAC 1分钟		
<b>Structure specifications</b>			
PCB	none of spraying		
Shell color	-	Metallic grey	
Shell material	Metal		
Shape size	128×75×27(mm)	190.4×110×30(mm)	275.6×163.6×32(mm)
Cutout size	107.2×68.9 (mm)	166×101 (mm)	238×148 (mm)
Weight	0.2Kg	0.3Kg	0.9Kg
<b>Environmental specifications</b>			
Working Temperature	0 ~ 50℃		
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 <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		