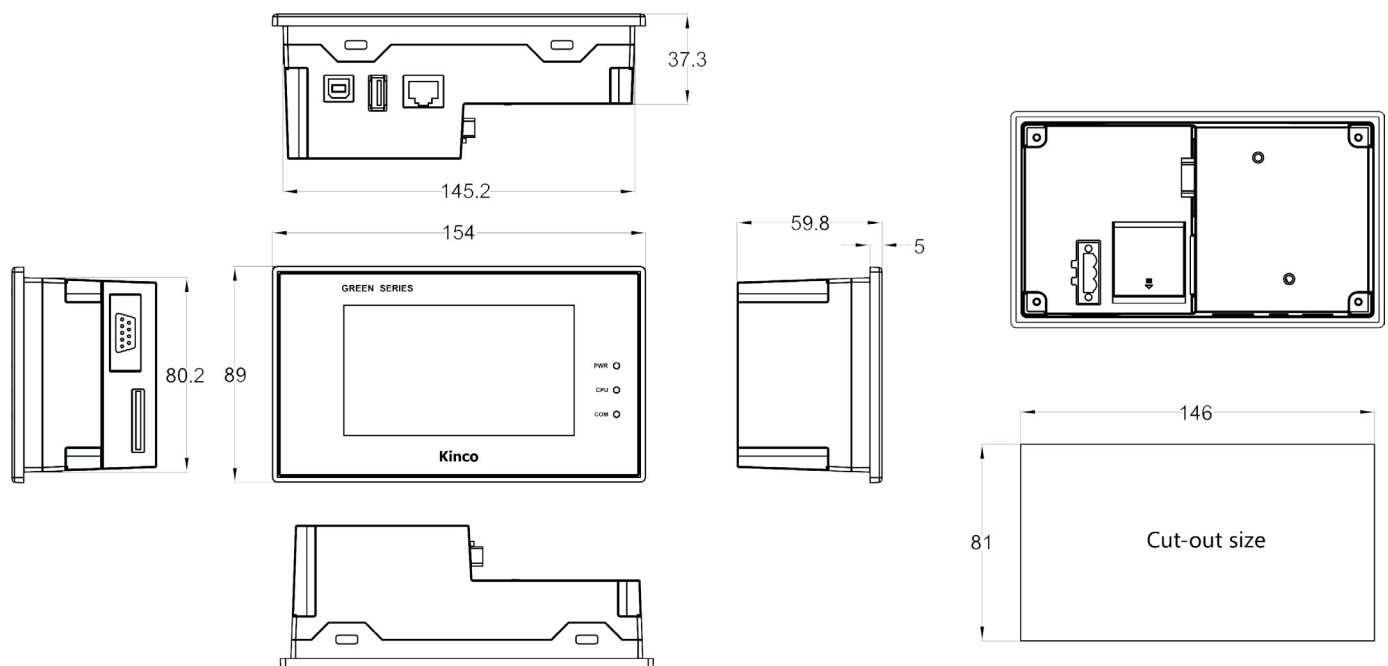# Kinco

HMI-GH043U2

- **16.77m (24 Bits) True Color**
- **32-Bit 792 MHz ARM RISC CPU**
- **Real-Time Clock, Reserve Time for More than 2 Years at Power Off State**
- **2 COM Ports, Supports Simultaneous Communications, Supports RS232/RS485/ RS422**
- **24 VDC Input Voltage**
- **Dual USB Disk Expansion**
- **128MB NAND FLASH + 128MB DDR3**

DESCRIPTION

The Green Series GH043U2 is the most modern and powerful HMI product that will make your application work seamlessly, without missing a step. The GH043U2 Series has a new structure and elegant body, compared to previous HMI's. This HMI line comes with a 16.77 million Color Display mode that gives your touch screen rich color and incomparable resolution. The GH043U2 is especially useful for machines that save large amounts of data. With the front USB disk expansion it allows easy access for memory expansion. The Green Series products use the most advantageous ARM Cortex-A7 architecture industrial-grade processors, which ensure that the HMI's work efficiently. Furthermore, it has a much higher hardness and intensity with a higher temperature resistance. Each HMI supports simultaneous communications via its multiple serial ports, so that you can connect to different controllers at the same time. With the simple, convenient and powerful DTools configuration software, the user can master its design method and create first-class programs efficiently.

DIMENSIONS

L011806

SPECIFICATIONS

MODEL	GH043U2
Performance Specification	
Display	4.3" TFT
Display Area	95.04mm(W)x53.86mm(H)
Resolution	480x272 pixels
Display Color	16.77 Million True Color
Display Angle of View	70/70/50/70(left/right/up/down)
Contrast Ratio	500:1
Backlight	LED
Brightness	300cd/m2
Backlight Life	More than 30000 Hours
Touch Panel	4 Line Precision Resistance Network (Surface Hardness 4H)
CPU	ARM RISC 32Bit 792MHz
Storage	128MB NAND Flash Memory + 128MB DDR3 Memory
RTC	Built-in
Expandable Memory	1 USB Host + 1 USB Host
Print Port	USB Host/Serial Port x 2
Ethernet	1 SD Card
Program Download	USB Slave /U Disk
Communication Port	COM0:RS232/RS485/RS422; COM2:RS232;
Serial Port Isolation	None
Electrical Specification	
Input Power Supply	DC12V ~ DC28V, Built-in Isolation Power Supply
Power Waste	3.5W @24V DC
Allowable Loss of Power	<3ms
Insulation Resistance	Over 50MΩ@500V DC
Hi-pot Test	500 VAC 1 Minute
Structure Specification	
Shell Material	Engineering Plastic
Shape Size	154mm x 89mm x 60mm
Installation Hole Size	146mm x 81mm
Weight	0.4 Kg
Environment Specification	
Temperature of Working Environment	-10 ~ 55°C
Humidity of Working Environment	10 ~ 90%RH (non-condensing)
Storage Environment Temperature	-20 ~ 60°C
Storage Environment Humidity	10 ~ 90%RH (non-condensing)
Anti-Seismic Degree	10 ~ 500Hz (X, Y, Z direction 2G/30 minute)
Cooling Mode	Natural Air Cooling
Certification	
Panel Protection Grade	Conforming to IP65 Certification(4208-93)
CE Authentication	EN6100-6-4:2007+A1:2011,EN61000-6-2:2005