

## HMI-G121

### FEATURES

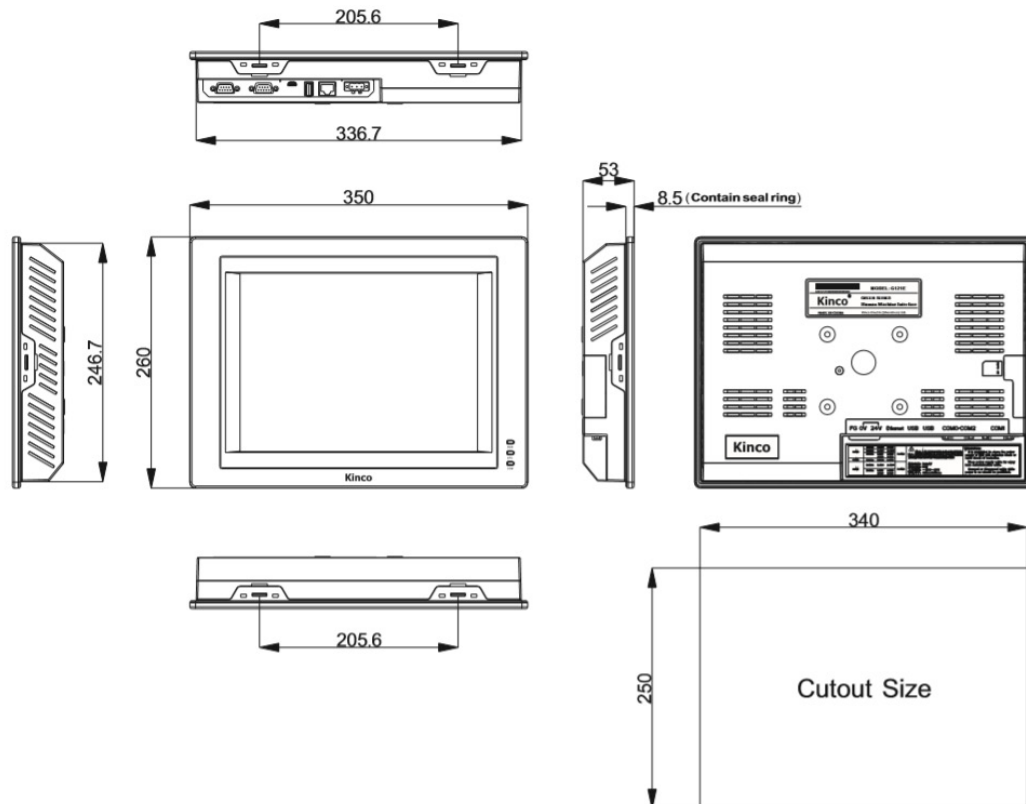
- 16.77m True Color
- 32-Bit 792 MHz ARM RISC CPU
- Real-Time Clock, Reserve Time for More than 2 Years at Power Off State
- 3 COM Ports, Supports Simultaneous Communications, Supports RS232/RS485/RS422
- 24 VDC Input Voltage
- CE Certified
- 128MB NAND FLASH + 128MB DDR3



### DESCRIPTION

The Green Series G121E is the most modern and powerful HMI product that will make your application work seamlessly, without missing a step. The G121E 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 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



L011793

MODEL	G121E
<b>Performance Specification</b>	
Display	12.1" TFT
Display Area	184.5mm(W)x246mm(H)
Resolution	800x600 pixels
Display Color	16.77 Million True Color
Display Angle of View	80/80/65/75(left/right/up/down)
Contrast Ratio	800:1
Backlight	LED
Brightness	400cd/m2
Backlight Life	50000 Hours
Touch Panel	4 Line Precision Resistance Network
CPU	ARM RISC 32Bit 792MHz
Storage	128MB NAND Flash Memory + 128MB DDR3 Memory
RTC	Built-in
Expandable Memory	1 USB Host
Print Port	USB Host/Serial Port
Ethernet	10/100MHz + 1 SD Card
Program Download	USB Slave/U Disk/Ethernet
Communication Port	COM0:RS232/RS485/RS422; COM1: RS485/RS422 ; COM2:RS232;
<b>Electrical Specification</b>	
Input Power Supply	DC12V ~ DC28V
Power Waste	TBD
Allowable Loss of Power	<3ms
Insulation Resistance	Over 50MΩ@500V DC
Hi-pot Test	500 VAC 1 Minute
<b>Structure Specification</b>	
Shell Material	Engineering Plastic
Shape Size	350mm x 260mm x 54mm
Installation Hole Size	340mm x 250mm
Weight	2.2 Kg
<b>Environment Specification</b>	
Temperature of Working Environment	-10 ~ 55°C
Humidity of Working Env.	10 ~ 90%RH (non-condensing)
Storage Environment Temperature	-20 ~ 60°C
Storage Environment Humidity	10 ~ 90%RH (non-condensing)
Anti-Seismic Degree	10 ~ 500Hz, 30m/s <sup>2</sup> , 3 Axis / 1 Hour
Cooling Mode	Natural Air Cooling
<b>Certification</b>	
Panel Protection Grade	Conforming to IP65 Certification(4208-93)
CE Authentication	EN6100-6-4:2007+A1:2011,EN61000-6-2:2005
<b>Software</b>	
Configuration Software	Kinco DTools V3.4 and Above Version