

KNC-HMI-G100E-LRF Waterproof Touch Screen



FEATURES

- 10.1" TFT Touch Screen
- Entire Machine Meets IP65 Certification
- Waterproof
- Earthquake Resistant
- 3 Download Methods
- Built in IoT Function
- Remote Service Support

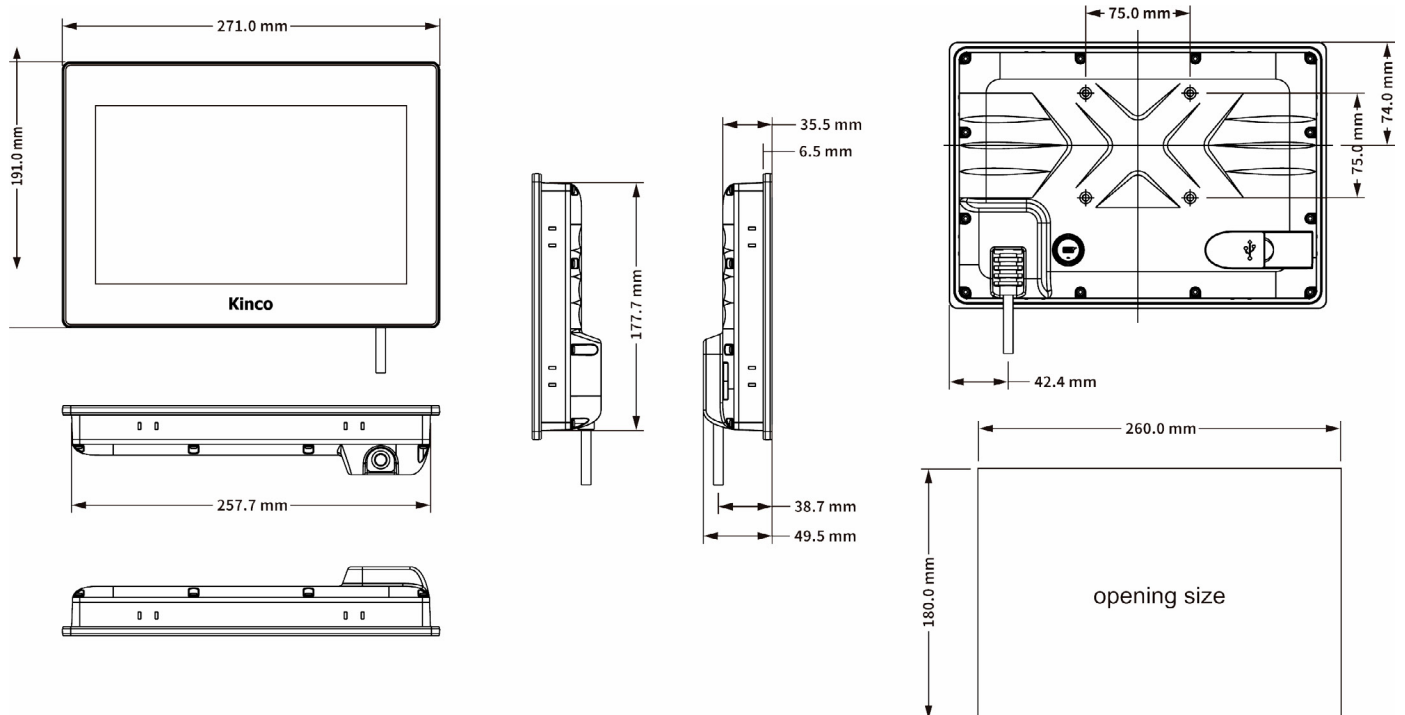


DESCRIPTION

The G100E-LRF is a 10.1" special waterproof touch screen HMI. This whole machine has an IP65 certification rating that provides the highest level of dust protection and can withstand low-pressure water jets from every direction. This efficient and convenient HMI is designed with three different download methods of Ethernet Port, USB Slave, and U Disk. The G100E-LRF has a built in Internet of Things (IoT) function that provides remote service support from an app or website.

DIMENSIONS

KNC-HMI-G100E-LRF



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Waterproof Touch Screen



WIRING DIAGRAM

Integrated Cable

The KNC-HMI-G100E-LRF has an integrated 14-core shielded twisted cable to improve product stability. The standard length of cable is 1.5 meters.

Cable Color	Supply Power	RS485(COM0)	Ethernet	RS232(COM2)	RS232(COM0)
Red	24V				
Black	0V				
Orange					RS232 Rx
Orange-White					RS232Tx
Yellow			RX_N		
Yellow-White			RX_P		
Green			TX_N		
Green-White			TX_P		
Brown		RS485 B			
Brown-White		RS485 A			
Purple				RS232 Rx	
Purple-White				RS232Tx	
Blue		Signal Ground			
Blue-White					Signal Ground

This RJ-45 ethernet socket is included on the end of the cable.

The wire connection is in accordance with the T568B standard, as follows:

- 1-green-white
- 2-green
- 3-yellow-white
- 6-yellow

Pin 1, 2, 3, 6 are the pin number on the on the UTP RJ-45 ethernet socket module, the colors above are the wire colors in 14-core shielded cable.

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SPECIFICATIONS

MODEL	KNC-HMI-G100E-LRF
Performance Specification	
Display Size	10.1" TFT
Display Area	222.72(W) x 125.28(H)
Resolution	1024 x 600 Pixels
Display Color	16.2 Million True Color
Backlight	LED
Brightness	300cd/m ²
Backlight Life	>30,000 Hours
Touch Panel	4 Line Precision Resistance Network (Surface Hardness 4H)
CPU	ARM RISC 32Bit 792MHz
Storage	128MB NAND Flash Memory + 128MB RAM
RTC	Built-in
Expandable Memory	1 USB Host
Print Port	USB Host/Serial Port
Ethernet	LAN0:10/100 Mbps
Program Download	Ethernet / USB Slave / U Disk
Communication Port	COM0:RS232/RS485; COM2:RS232
Electrical Specification	
Input Power Supply	DC10V~DC28V
Rated Power	6W @ 24VDC
Allowable Loss of Power	<3ms
Insulation Resistance	Over 50MΩ@500VDC
Hi-pot Test	500 VAC 1 Minute
Structure Specification	
Shell Material	Engineering Plastic
Overall Dimension(mm)	271x191x35.5mm
Cut-Out Dimension(mm)	260x180mm
Weight	1.98 lbs
Environment Specification	
Temperature of Working Environment	0 ~ 50°C
Humidity of Working Env.	10 ~ 90%RH (non-condensing)
Storage Temperature	-20 ~ 60°C
Storage Humidity	10 ~ 90%RH (non-condensing)
Seismic Resistance	10 ~ 500Hz, 30m/s ² , X, Y, Z Direction/Hour
Cooling Mode	Natural Air Cooling
Certification	
Panel Protection Grade	IP65 Certification(4208-93)
CE Authentication	EN61000-6-4:2019, EN61000-6-2:2019
Software	
Configuration Software	Kinco DTools V4.1 and Above Version

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