FEATURES

- **Industrial CPU, Main Frequency 800MHz**
- **7" HD Display**
- **16.77M True Colors**
- **Support Ethernet, Built-In 4G / Wifi**
- **Powerful Script Function, Support Edge Computing**
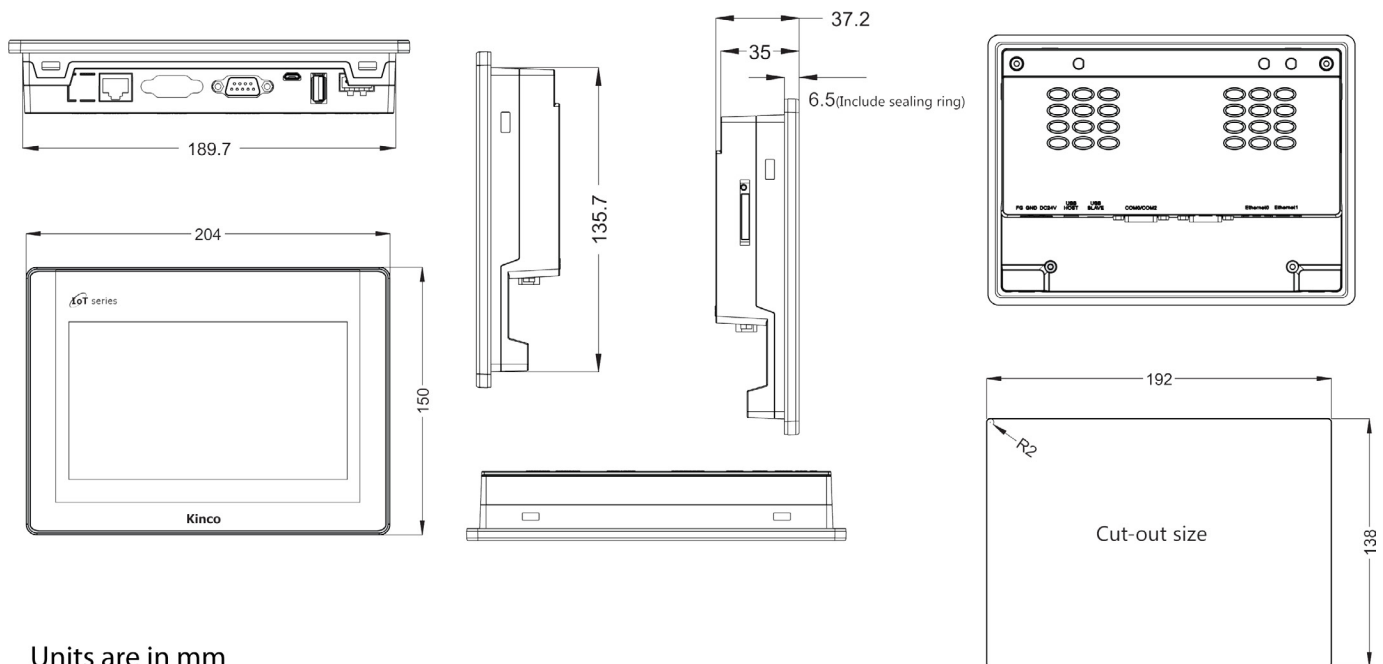- **Built in Internet of Things (IoT), Support Remote Services**

DESCRIPTION

The GT070HE series HMI is a 7" High Definition touch screen. This HMI Series is supported by Ethernet and by either the built in Wifi or 4G Network. This efficient and convenient HMI is designed with three different download methods of Ethernet Port, USB Slave (Micro USB), and USB Host (thumb drive). The GT070HE has built in Internet of Things (IoT) functions that provide remote service support from an app or website. The remote services it supports are HMI Function upload/download, transmission PLC program upload/download, transmission online debugging PLC program, and desktop monitoring.

DIMENSIONS

KNC-HMI-GT070HE-4G & KNC-HMI-GT070HE-WIFI

189.7

204

150

135.7

37.2

35

6.5 (Include sealing ring)

192

R2

Cut-out size

138

Units are in mm

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SPECIFICATIONS

MODEL	GT070HE-4G	GT070HE-WIFI
Performance Specification		
Display	7" TFT	
Display Area	154.21 (W) x 85.92 (H) (mm)	
Resolution	1024x600 pixels	
Display Color	16.7 Million Color	
Display Angle of View	85/85/85/85(left/right/up/down)	
Contrast Ratio	800:1	
Backlight	LED	
Brightness	450cd/m2	
Backlight Life	More than 30000 Hours	
Touch Panel	4 Line Precision Resistance Network (Surface Hardness 4H)	
CPU	ARM RISC 32Bit 800MHz	
Storage	256MB NAND Flash Memory + 128MB DDR3 Memory	
RTC	Built-in	
Expandable Memory	1 USB Host	
Print Port	USB Host/Serial Port	
Network Access	Ethernet, 2G / 3G / 4G Wireless Communication	Ethernet, Wi-Fi
Program Download	USB Slave (Micro USB) / USB / Ethernet	
Wi-Fi / WLAN	LTE-FDD Band 1/3/5/8 LTE-TDD Band 38/39/40/41 UMTS Band 1/8 GSM Band 3/8	IEEE802.11 b/g/n 802.11b:max 17dBm 802.11g:max 17dBm 802.11n:max 17dBm
VPN	Support HMI Remote Upload, Download and Screen Monitoring, Support PLC Transparent Transmission Program Upload, Download and Monitoring.	
Ethernet	One 10/100MHz Adaptive Port	
Communication Port	COM0:RS232/RS485/RS422; COM2:RS232	
Electrical Specification		
Input Power Supply	DC10.8V ~ DC28V	
Rated Power	4.2W @DC24V	
Allowable Loss of Power	<3ms	
Insulation Resistance	Over 50MΩ@500VDC	
Hi-pot Test	500 VAC 1 Minute	
Structure Specification		
PCB	None of Spraying	
Shell Material	Engineering Plastic	
Shape Size	204 x 150 x 37 (mm)	
Cutout Size	192 x 138 (mm)	
Weight	1.1 lbs	
Environment Specification		
Working Temperature	0 ~ 50°C	
Working Humidity	10 ~ 90%RH (non-condensing)	
Storage Temperature	-20 ~ 60°C	
Storage Humidity	10 ~ 90%RH (non-condensing)	
Vibration Test	10 ~ 500Hz, 30m/s², (X, Y, Z direction/hour)	
Cooling Mode	Natural Air Cooling	

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SPECIFICATIONS

MODEL	GT070HE-4G	GT070HE-WIFI
Performance Specification		
Certification		
Panel Protection Grade	Conforming to IP65 Certification(4208-93)	
CE Certification	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005	
Software		
Configuration Software	Kinco DTools V4.1 and Above	

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