



# New Gen. Economy Series HMI

## **MASS Series HMI**

### **M2070H/M2070HE**

#### **Product features:**

- Dual-core 1GHz CPU for smoother operation
- 256MB storage for larger data storage
- HD display (1024\*600)
- Full viewing angle display with 16 million colors
- High touch sensitivity
- Paired with Kinco DTools configuration software for powerful and easy-to-use features

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Model	M2070H	M2070HE
<b>Performance specifications</b>		
Display size	7" TFT	
Display area	154.21mm(H)x85.92mm(V)	
Resolution	1024*600 pixel	
Display color	16.7M	
Display viewing angle	85/85/85/85 (left/right/up/down)	
Contrast ratio	800:1	
Backlight	LED	
Brightness	450cd/m <sup>2</sup>	
Backlight life	>30000hr	
Touch panel	4-wire precision resistance network (surface hardness 4H)	
CPU	ARM Cortex-A7 Dual Core 1GHz	
Memory	256MB NANDFlash +128MB RAM	
RTC	Built-in	
Extensible memory	1 USB Host	
Printer port	USB Host/ Serial port	
Ethernet	None	LAN0:10/100Mbps
Program download	USB Slave/U Disk	USB Slave/U Disk / Ethernet
COM port	COM0:RS232/RS485/RS422; COM1:RS485;COM2:RS232	
<b>Electrical specifications</b>		
Input voltage range	DC10.8V~DC28V	
Power consumption	4.2W@DC24V	
Allowable loss of power	<3ms	
Insulation resistance	Over50MΩ@500V DC	
Voltage resistance test	500 VAC 1Min	
<b>Structural specifications</b>		
PCB	None	
Shell material	Plastic	
Overall dimensions	204x150x37.2mm	
Cut-out size	192x138mm	
Weight	0.5Kg	
<b>Environmental specifications</b>		
Working temperature	0~50°C	
Working humidity	10~90%RH (non-condensing)	
Storage temperature	-20~60°C	
Storage humidity	10~90%RH (No condensation)	
Seismic resistance	10~500Hz, 30m/s <sup>2</sup> , X,Y,Z direction/hour	
Cooling mode	Natural air cooling	
<b>Product certification</b>		
Panel protection grade	IP65 (4208—93))	
CE certification	EN6100-6-4:2007+A1:2011,EN61000-6-2:2005)	
<b>Software</b>		
Configuration software	KincoDToolsV4.0 and above versions	

Dimensional diagram (Unit: mm)

