

## FLEXEM——Resistive HMI F0 Series

### Module: F010R

#### Overview

- Plastic enclosure, low cost, high reliability.
- Fully fitted screen, with highlight and high definition.
- Industrial isolated power supply, spray coating treatment and applicable to various harsh Environment.
- No need Buckles, easy and quickly to be installed.
- New configuration software, rich library, powerful features.
- 4-way serial port, more powerful expansion function.

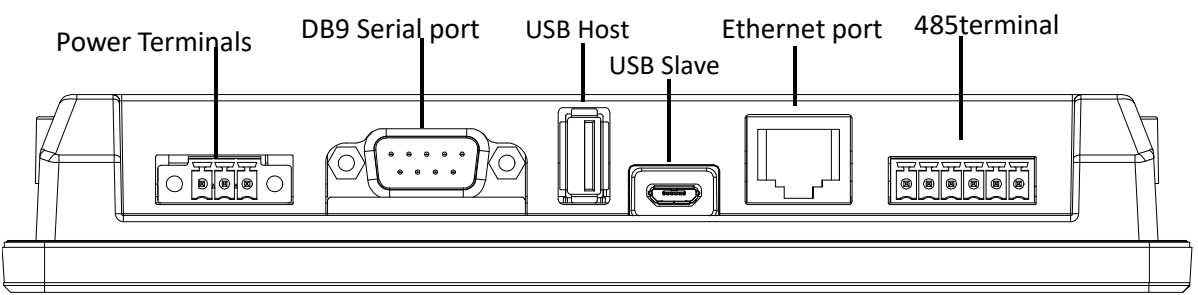

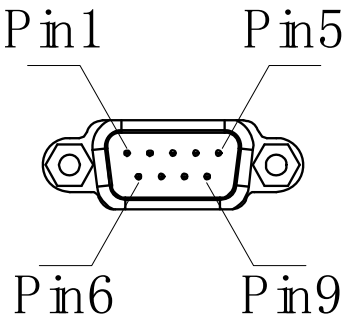
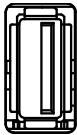



#### Appearance



## Specifications

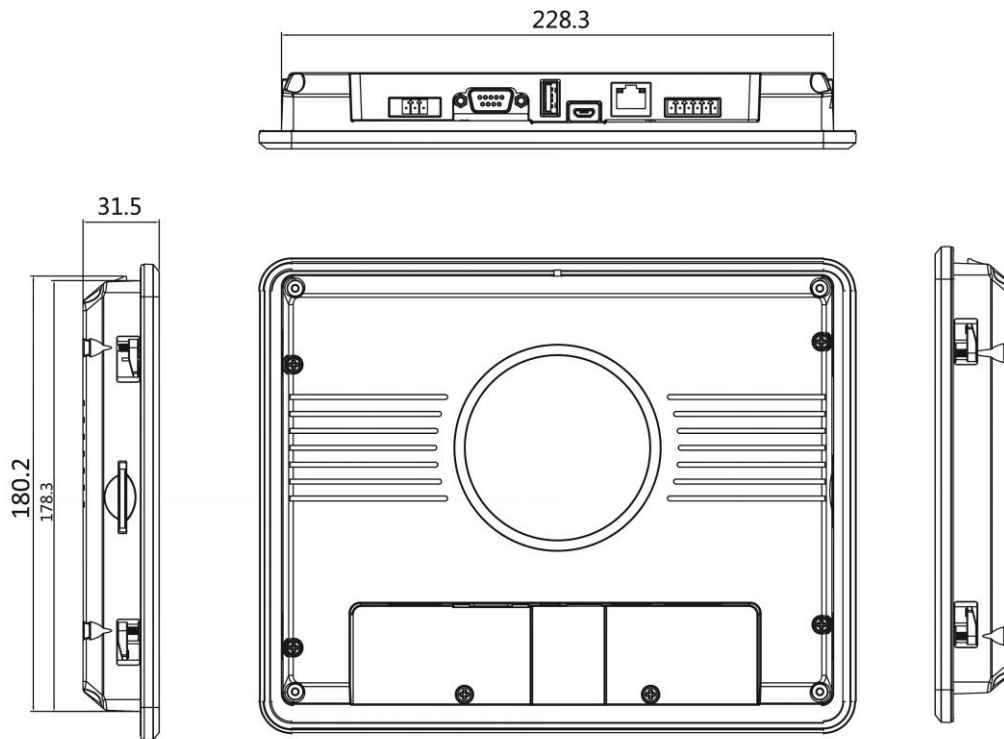
Hardware parameter	Display	9.7" 4:3 TFT LCD
	Resolution(WxH)	1024×768
	Colors	16-bit
	Brightness	350 cd/m <sup>2</sup>
	Backlight	LED
	LCD Life	50000 hours
	Touch Panel	4 wires resistive touch screen
	CPU	600MHz ARM Cortex-A8
	Memory	128M Flash + 128M DDR3
	RTC	Built in
	Ethernet	10M/100M Adaptive
	SD Card Port	Available
	USB Port	USB Slave 2.0 Port*1, USB Host 2.0 Port
	Download Project	USB Slave/U-disk/Ethernet
	COM Port	COM1: RS232/RS485/RS422 COM2/COM4: RS485 COM3: RS232
LCD viewing angle (T/B/L/R)	85'/85'/85'/85'	
Electrical Specifications	Power Consumption	< 8W
	Input Power	DC24V,working range DC 9V~28V
	Power Protection	Protected from thunders trike and surging
	Power Down Allowed	< 3mS
	CE & RoHS	Complied with EN61000-6-2:2005, EN61000-6-4:2007, RoHS, Surge Immunity:±1KV, EFT:±2KV,ESD:4KV, Air:8KV
Environment Specifications	Operating Temperature	-10~60℃
	Storage Temperature	-20~70℃
	Anti-UV	Not suitable to work in strong ultraviolet light (such as direct sunlight)
	Operating Humidity	10~90%RH(Non condensation)
	Vibration Endurance	10~25Hz(X,Y,Z direction 2G/30 minutes)
	Cooling	Natural air cooling
Mechanical Index	Degree of protection	Front IP65(with NEMA panel),Back IP20
	Enclosure	Aluminium alloy + engineering plastic
	Panel Cutout (WxH)	230mm×180mm
	Dimension	247mm×197mm×31.5mm
	Weight	About 1150g

## Wiring definition

		
Power terminal (Pin1~Pin3 from left to right)		
	Pin1	FG
	Pin2	0V
	Pin3	DC24V
DB9 Serial terminal (Pin1~Pin9 from left to right)		
	Pin1	Rx-(B)
	Pin2	RxD (COM1 RS232)
	Pin3	TxD (COM1 RS232)
	Pin4	Tx-
	Pin5	GND
	Pin6	Rx+(A)
	Pin7	RxD (COM3 RS232)
	Pin8	TxD (COM3 RS232)
	Pin9	Tx+
USB Host		
	USB Type A	Used to connect U disk, scan code gun and other peripherals
USB Slave		
	MicroUSB	Used to download programs and debug
485 terminal (Pin1~Pin6 from left to right)		
	Pin1	A+(COM2)
	Pin2	B-(COM2)
	Pin3	GND
	Pin4	A+(COM4)
	Pin5	B-(COM4)
	Pin6	GND
Ethernet port		
	RJ45	Used for Ethernet setup with the controller or for connecting to a server

Size F010R

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Panel Cutout (W\*H):  
230mm(+/-1.0mm)\*180mm(+/-1.0mm)

**Contact us**

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**Shanghai (R&D Center)**

Address: Floor 11, Block B, INNO  
Center, No.298, Guoxia Road,  
Yangpu District, Shanghai

Telephone: +86-21-68683993

Fax: +86-21-65107569

**Suzhou**

Address: Room 915, Ricky Building,  
No.668,Yuting Avenue,Suzhou  
Industrial Park

Telephone: +86-512-69833996

**Shenzhen (Factory)**

Address: 5th Floor, NO.2 Building,  
Lanyun Science Park, Tangtou  
Road, Shiyan Town, Baoan  
District, Shenzhen, China

Telephone: +86-755-27610682

Fax: +86-755-27629895

**Wuxi**

Address: Room 1603, Taihu  
Mingzhu Development  
Building, No. 1890 Taihu  
West Road, Binhu  
District, Wuxi City

Telephone: +86-18505101982

**Beijing**

Address: Room 2008, Building 1, No.  
93 Jianguo Road, Chaoyang  
District, Beijing (Wanda  
Plaza), China

Telephone: +86-10-58204608

Fax: +86-10-58204608

**Hangzhou**

Address: Floor 1, Unit LEO, Block 5,  
Singapore Science Park,  
Road 6th, Xiasha Economic  
Development Zone,  
Hangzhou