

## FLEXEM——Resistive HMI F0 Series

### Module: F007R

#### 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.

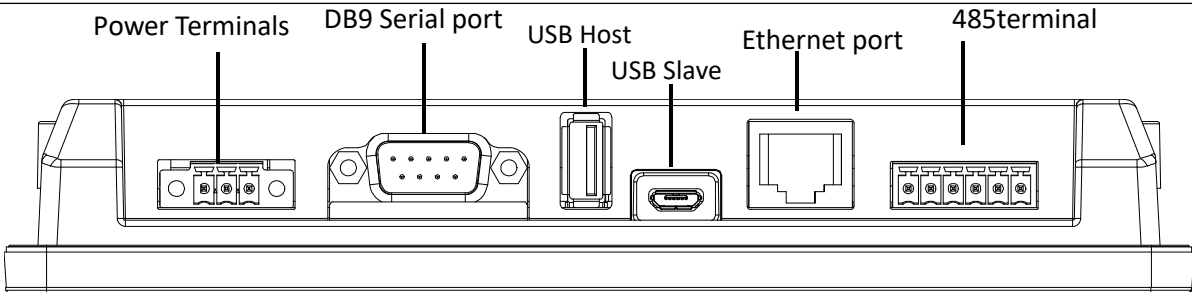

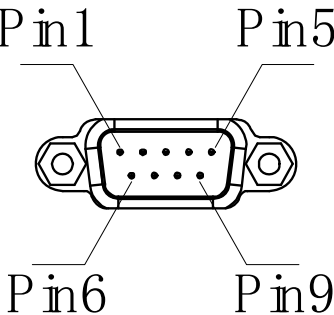
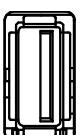



#### Appearance



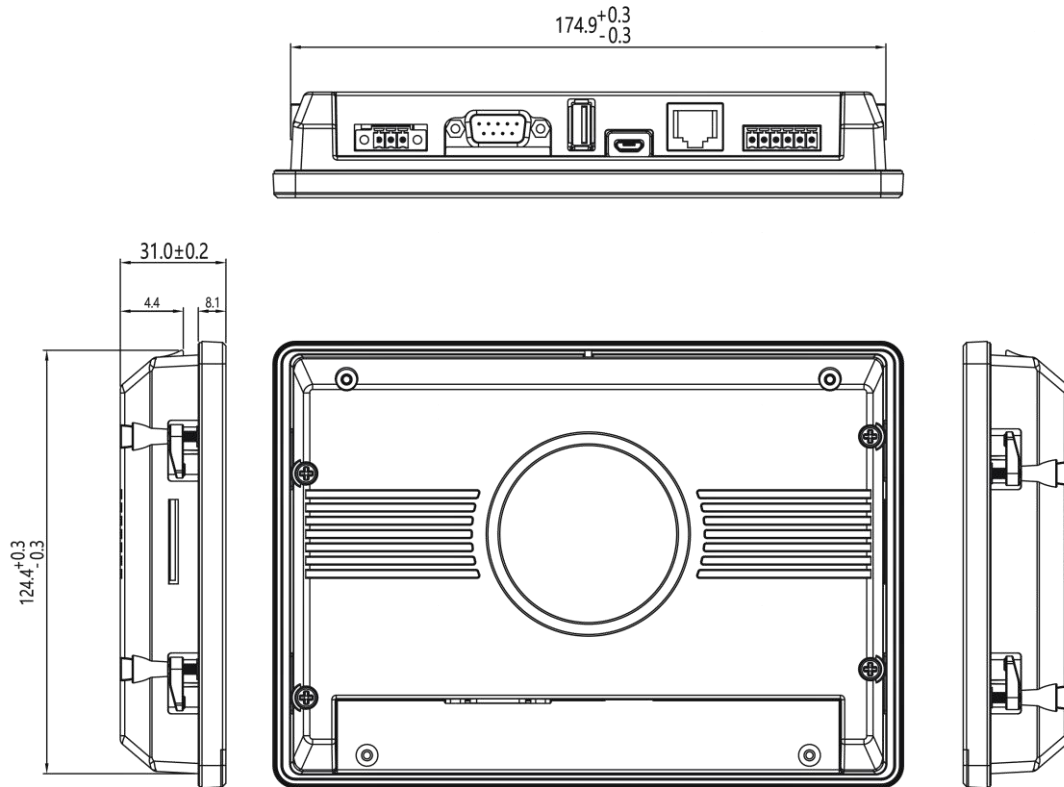
## Specifications

Hardware parameter	Display	7" 16:9 TFT LCD
	Resolution(WxH)	1024×600
	Colors	24-bit
	Brightness	450 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*1, USB Host 2.0*1
	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)	70'/75'/75'/75'	
Electrical Specifications	Power Consumption	< 6W
	Input Power	DC24V,working range DC 9V~28V
	Power Protection	Protected from thunder strike and surging
	Power Down Allowed	< 5mS
	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°C
	Storage Temperature	-20~70°C
	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)	178mm×125mm
	Dimension	185.1mm×131.1mm×30mm
	Weight	About 650g

## 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
485terminal (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 used for connecting a server

Size F007R



Panel Cutout (W\*H):  
178mm ( +/-1mm ) \*125mm(+/-1mm)

**Contact us**

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