

## FLEXEM——Capacitive HMI F0 Series

### Module: F010

#### Overview

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- Multi-touch capacitive touch screen, scratch-resistant, no drift.
- 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.

#### Appearance

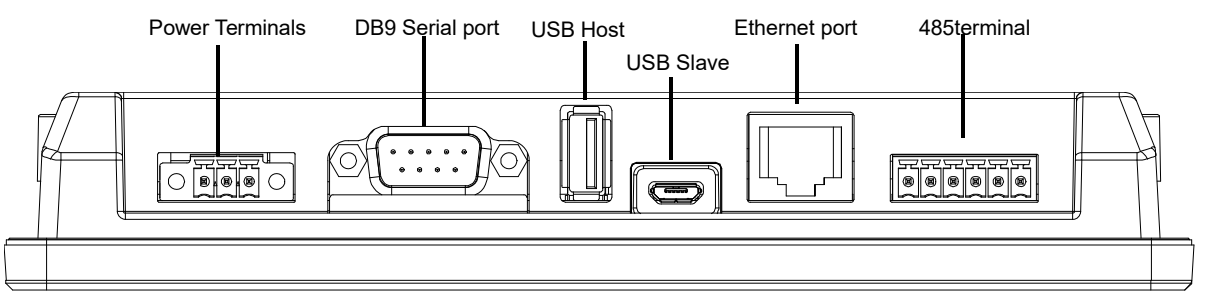

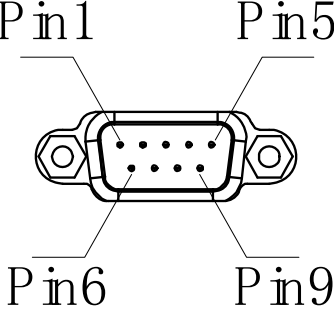
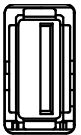



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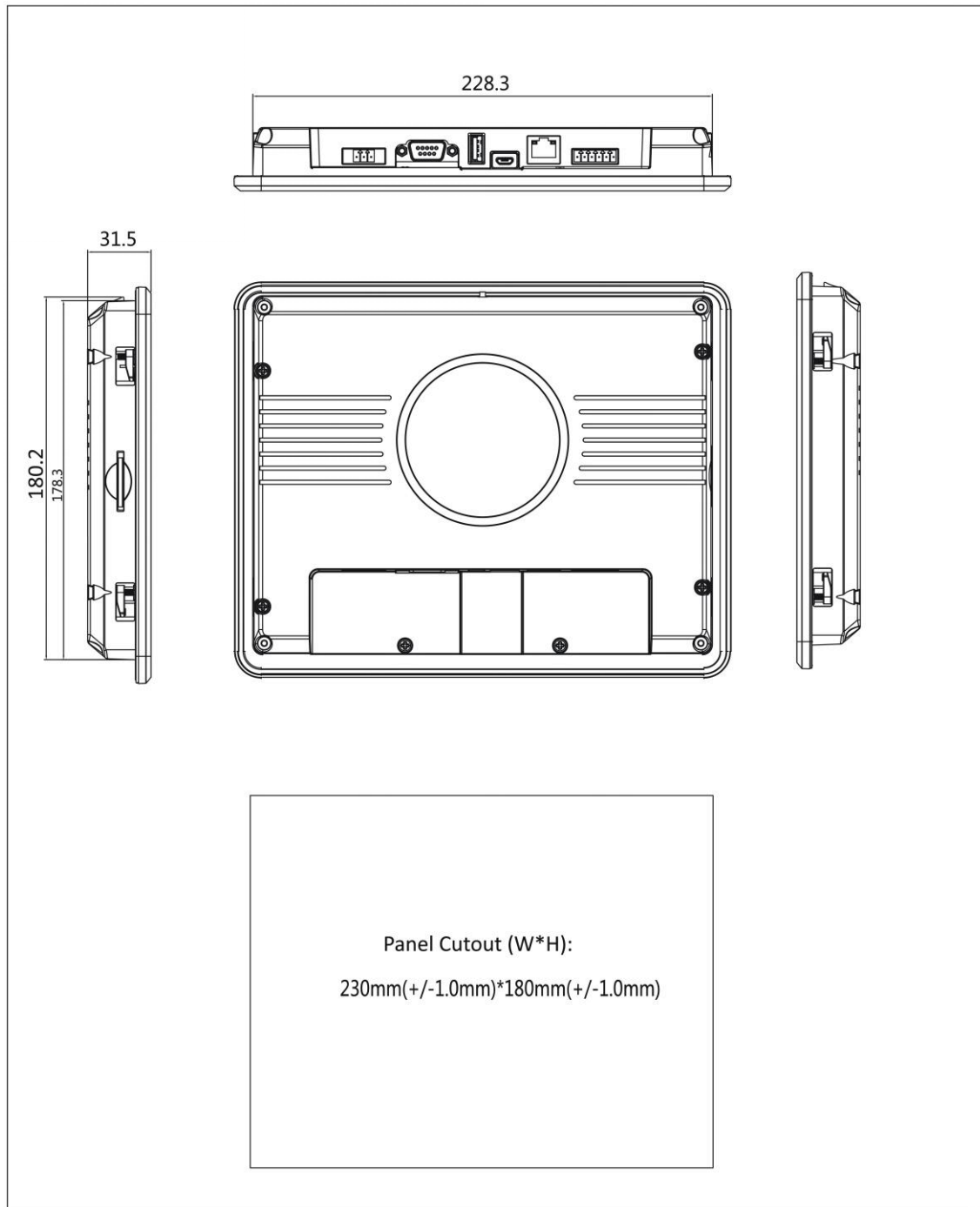
**Specifications**

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	Glass+Glass projective multi-touch capacitive HMI
	CPU	600MHz ARM Cortex-A8
	Memory	128M Flash + 128M DDR3
	RTC	Built in
	Ethernet	10M/100M Adaptive
	SD Card	Support
	USB Port	USB Slave 2.0 Port*1, USB Host 2.0 Port*1
	Download Project	USB Device/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 thunderstrike 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	Do not work in strong ultraviolet light (such as direct sunlight)
	Operating Humidity	10~90%RH (No 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 1100g

## 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 for connecting to a server

Size F010



## Contact us

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