

FLEXEM——Capacitive HMI F0 Series

Model: F007

Product Overview

- 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, easily and quickly to be installed.
- New configuration software, rich library, powerful features.

Product Appearance

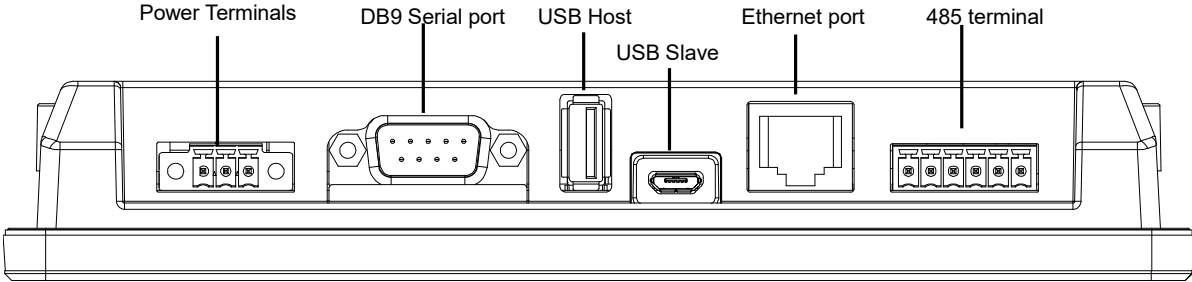
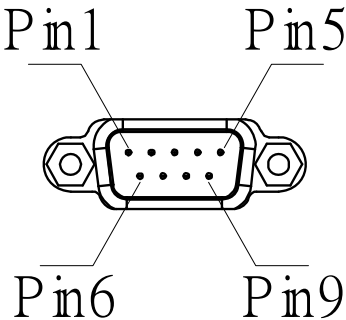
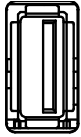


Specifications

Hardware parameter	Display	7 inch 16:9 TFT LCD
	Resolution (WxH)	1024×600
	Colors	24-bit
	Brightness	450 cd/m ²
	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	Available
	USB Port	USB Slave 2.0 Port*1,USB Host 2.0 Port*1
	Download Project	USB Device/U-disk/Ethernet
	Serial Port	COM1:RS232/RS485/RS422 COM2/COM4:RS485 COM3:RS232
	LCD viewing angle (T/B/L/R)	70°/75°/75°/75°
Electrical Specifications	Rated power	< 6W
	Input Power	DC24V,working range DC 9V~28V
	Power Protection	Protected from thunder strike and surging
	Allowable power-off time	< 5mS
	Certification	CE: Comply with EN61000-6-2:2005, EN61000-6-4:2007 standards RoHS: Comply with RoHS EMC: Lightning surge±1KV, group pulse±2KV Electrostatic contact 4KV, air discharge:8KV
Environment Specifications	Operating Temperature	-10~60°C
	Storage Temperature	-20~70°C
	UV-proof	Do not work in strong ultraviolet environment (such as direct sunlight).
	Environment Humidity	10~90%RH(Non condensing)
	Vibration Endurance	10~25Hz(X,Y,Z direction 2G/30 minutes)
	Cooling	Natural cooling
Mechanical parameter	Protection	Front IP65(with NEMA panel),Back IP20
	Mechanical structure	Aluminium alloy + engineering plastic
	Panel Cutout (WxH)	178mm×125mm

	Dimension	185.1mm×131.1mm×30mm
	Weight	About 600g

Wiring definition

		
Power terminal (Pin1~Pin3 from left to right)		
	Pin1	FG
	Pin2	0V
	Pin3	DC24V
DB9 Serial port		
	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	C- (COM4)
	Pin6	GND

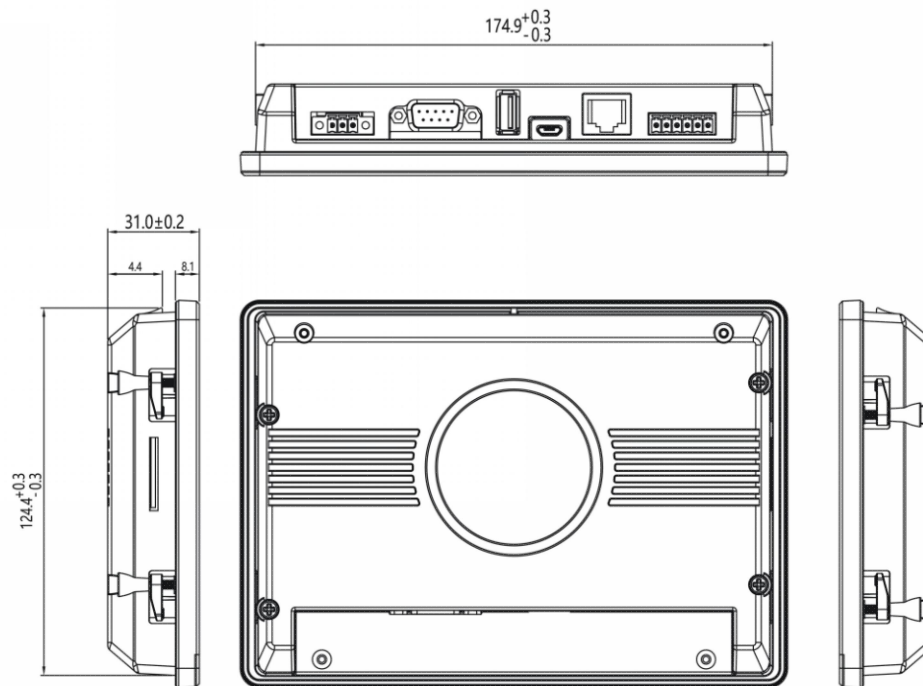
Ethernet port



RJ45

Used for Ethernet setup with the controller or connecting to a server

Dimension F007



Panel Cutout (W*H):

178mm (+/-1mm) *125mm(+/-1mm)