

Flexem Capacitive HMI F0 Series

Model: F007N

Products Overview

- PVC enclosure low cost with high reliability.
- By using IPS full-view high brightness LCD screen to upgrade brightness angle and parameters.
- The mainboard is with three-proofing lacquer processing to adapt to various harsh environment.
- Convenient installation by using Locking structure terminals.
- 4-line serial ports with Ethernet ports with strong expansion capability.
- Full-new configuration software with rich library and strong functions.

Products Appearance

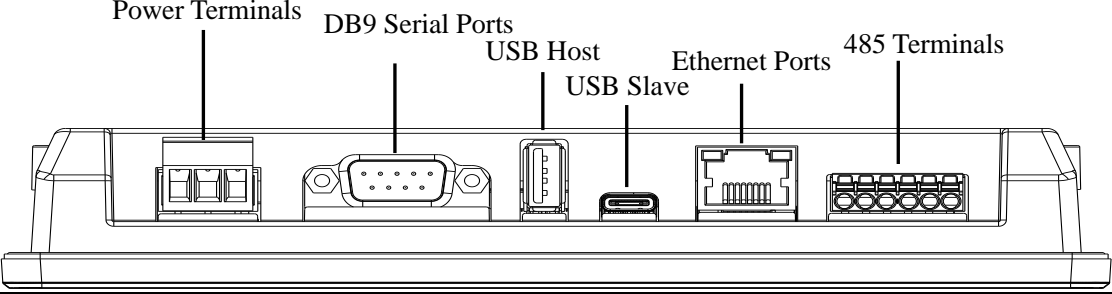
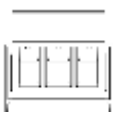
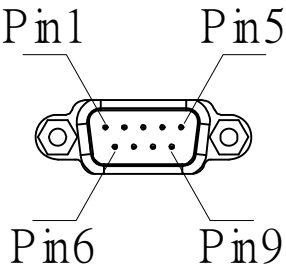
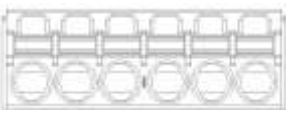




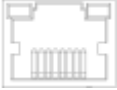
Products Specifications

Hardware Parameters	Touch Screen	7" 16:9 TFT LCD touch screen with wide view
	Resolution	1024×600
	Color	24-bit
	Brightness	350 cd/m ²
	Backlight	LED
	LCD Life	50000 hours
	Touch Screen	Glass+Glass Projection multi point capacitive touch screen
	CPU	600MHz ARM Cortex-A8
	Memory	128M Flash + 128M DDR3
	RTC	Built-in
	Ethernet	10M/100M self-adaptive
	SD Card	Supporting
	USB Port	1 USB Type C port, 1 USB Host 2.0 port
	Program Downloading	USB Slave Port/U-disk /Ethernet
	Serial Communication Ports	COM1: RS232/RS485/RS422 COM2/COM4: RS485 COM3: RS232
LCD View Angle (T/B/L/R)	85'/85'/85'/85'	
Specifications	Rated Power	< 6W
	Rated Voltage	DC24V, working range: DC 9V~28V
	Electricity Protection	Protecting from lightening and surging.
	Power Loss	< 5mS
	CE & RoHS	It confirms to EN61000-6-2:2005 and EN61000-6-4:2007 standard. It confirms to RoHS. Lightening surging±1KV,pulse group±2KV. Static Contact: 4KV, air discharging:8KV
Environment Specifications	Working Temperature	-10~60°C
	Storage Temperature	-20~70°C
	UV-Proof	It prohibits working under strong violet environment such as direct sunshine.
	Environment Humidity	10~90%RH (Non condensate)
	Anti-vibration	10~25Hz(X,Y,Z direction 2G/30 minutes)

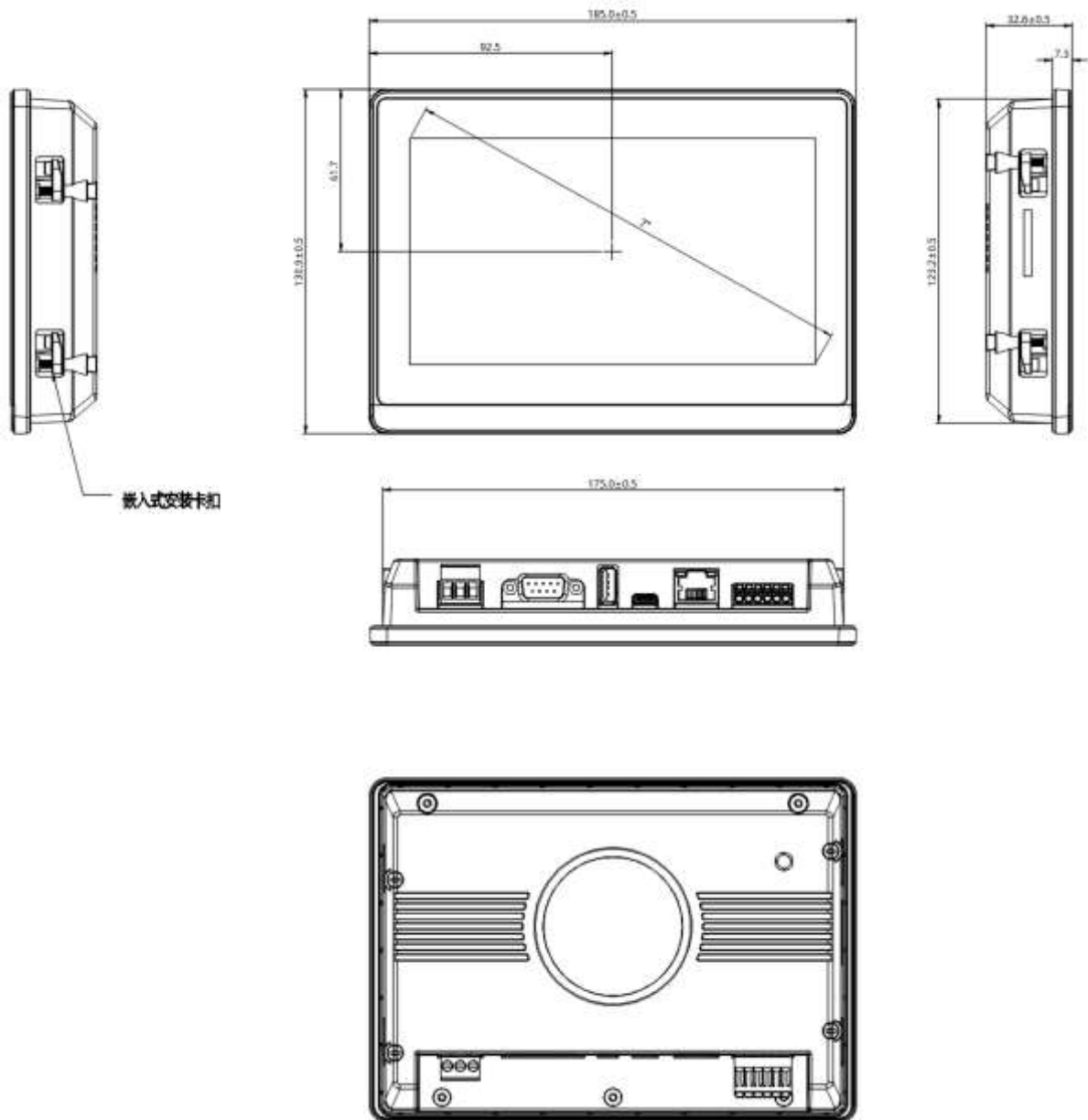
	Cooling Way	Natural Cooling
Mechanical Parameters	Protection Grade	The front panel confirms to IP65(suitable for whole cabinet installation), Fuselage rear shell confirms to IP20.
	Mechanical Structure	ZINC+ engineering plastics
	Hole Dimension	178mm×125mm
	Machine Size	185.1mm×130.9mm×32.6mm
	Machine Weight	About 600g

Wiring Definition

		
Power Terminals (Pin1~3 from left to right)		
	Pin1	FG
	Pin2	0V
	Pin3	DC24V
DB9 Serial Ports		
	Pin1	Rx-(B) (COM1 RS422/485-)
	Pin2	RxD (COM1 RS232)
	Pin3	TxD (COM1 RS232)
	Pin4	Tx- (COM1 RS422)
	Pin5	GND
	Pin6	Rx+(A)(COM1 RS422/485+)
	Pin7	RxD (COM3 RS232)
	Pin8	TxD (COM3 RS232)
	Pin9	Tx+ (COM1 RS422)
485 Terminals(Pin1~Pin6 from left to right)		
	Pin1	A+(COM2)
	Pin2	B-(COM2)
	Pin3	GND
	Pin4	A+(COM4)
	Pin5	B-(COM4)
	Pin6	GND
USB Host		
	USB Type A	Used for connecting U-DISC and scanner etc.
USB Slave		
	USB Type C	Used for software program downloading and testing.
Ethernet Ports		

	RJ45	Used for setting Ethernet with controller or used for server connection.
---	------	--

Size F007N



178mm (±1.0mm) *125mm(±1.0mm)