

## Flexem Industrial Touch Screen FE9000 Series

### Model: FE9121M

#### Products Overview

- Metal frame, better heat radiation with strong Anti-interference.
- Main board is with conformal coating, applicable for various harsh environment.
- High Resolution, high brightness, LED backlight with Energy saving environmental protection.
- USB port supports U-disc data storage and downloading.
- Fully new configuration software, rich library and strong function.
- It uses isolated power module with lightening and surging protection.
- 4-serial ports with Ethernet and strong expansion capability.

#### Products Outlook


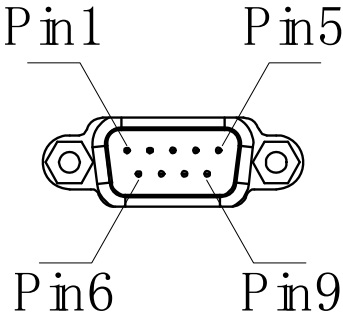
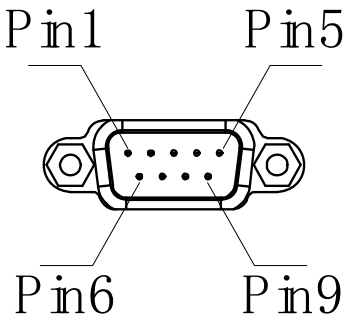





## Products Specifications

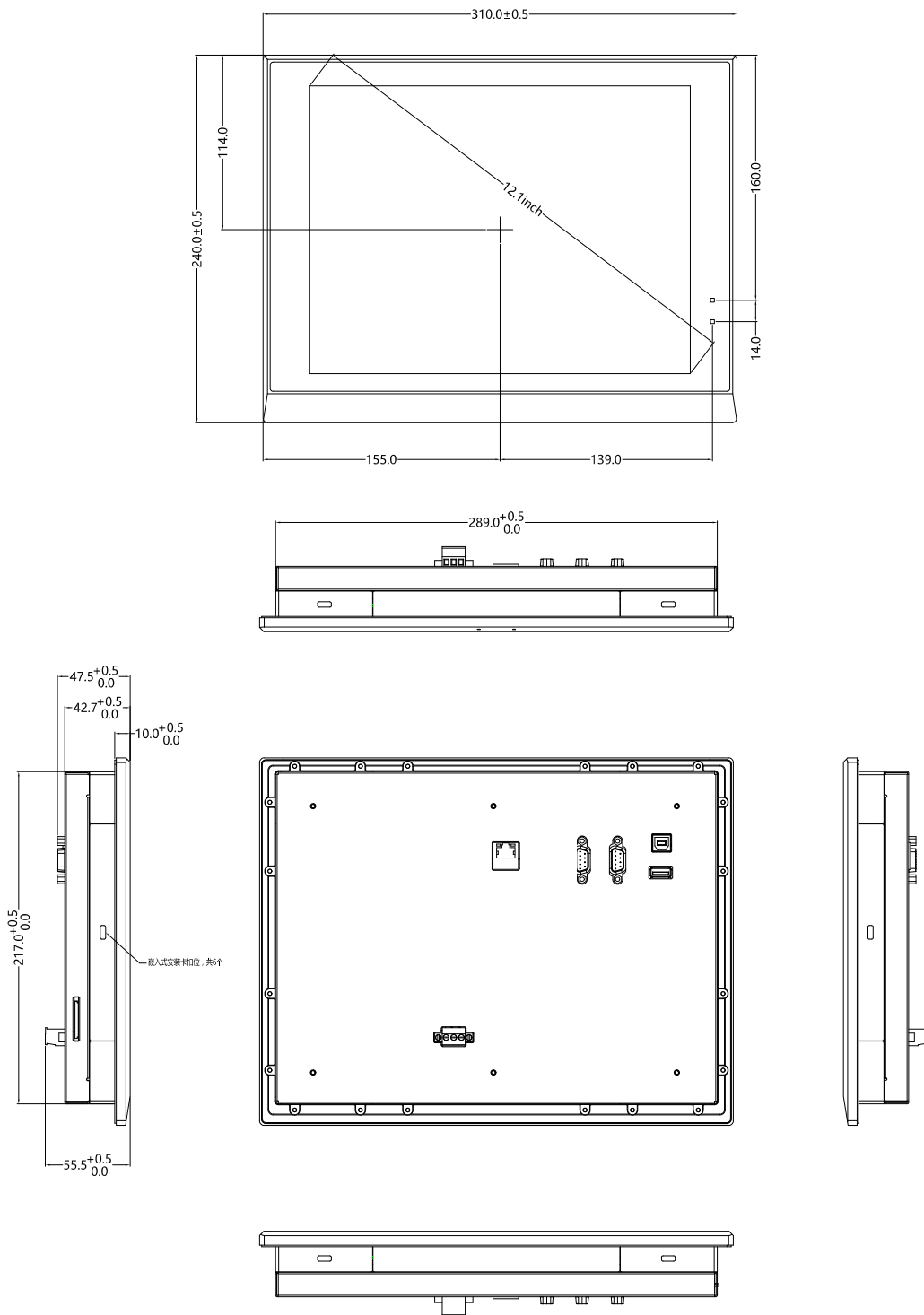
Hardware Parameters	Touch Screen	12.1" 4:3 TFT LCD touch screen
	Resolution	1024 × 768
	Color	65K
	Brightness	370 cd/m <sup>2</sup>
	Backlight	LED
	LCD Life	50000 hours
	Touch Screen	4 wire industrial touch screen
	CPU	4-core 1.2G Cortex-A53 Processor
	Memory	8GB Flash+1GB DDR3
	RTC	Built-in
	SD Card	Supporting
	Ethernet	10M/100M suitable Ethernet Ports
	USB Ports	1 USB Slave 2.0 port, 1 USB Host 2.0 port
	Program Downloading	USB Slave Port/U-disc/Ethernet/SD Card
	Serial Communication Ports	COM1/COM2: RS232/RS485/RS422 COM3/COM: RS232
LCD Viewing Angle (T/B/L/R)	80'/80'/80'/80'	
Electric Specifications	Rated Power	< 15W
	Rated Voltage	DC24V, working range: DC 18V~28V
	Power Protection	It used isolate power module equipped with lightening and surging protection.
	Power Loss	< 5mS
	CE & RoHS	It confirms to EN61000-6-2:2005, EN61000-6-4:2007 standard. It confirms to RoHS, lightening& surging ± 1KV, group pulse ± 2KV, Electrostatic contact:4KV, Air discharge: 8KV
Environment Specifications	Working Temp	-20~70℃
	Storage Temp	-30~80℃
	Anti-violet	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

Mechanic Indicators	Protection Grade	Front panel confirms to IP65(equipped with flat cabinet installation),metal frame confirms to IP20
	Mechanic Structure	Aluminum alloy+Galvanized sheet spray powder
	Hole Size	291mm×219mm
	Machine Size	310mm×240mm×48.5mm
	Weight	About 2710g

## Wiring

Power Terminals (Pin1~3 from left to Right)		
	Pin1	FG
	Pin2	0V
	Pin3	DC24V
DB9 Serial Ports (COM1/COM3)		
	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+
DB9 Serial Ports (COM2/COM4)		
	Pin1	Rx-(B)
	Pin2	RxD (COM2 RS232)
	Pin3	TxD (COM2 RS232)
	Pin4	Tx-
	Pin5	GND
	Pin6	Rx+(A)
	Pin7	RxD (COM4 RS232)
	Pin8	TxD (COM4 RS232)
	Pin9	Tx+
USB Host		
	USB Type A	Used for connecting U-disc and scanning gun etc external devices
USB Slave		
	USB Type B	Used for program downloading and testing.
Ethernet Ports		
	RJ45	Used for setting Ethernet with controller or for connecting server.

## Size FE9121M



嵌入式安装开孔尺寸 : 291mm\*219mm(-0.0/+1.0mm)