

FLEXEM——Resistive HMI 4000 Series

Module: FE4097iE

Overview

- Plastic enclosure, low cost, high reliability.
- The main board is treated with a special coating (three anti-paint) to adapt to harsh environment.
- High resolution, high brightness, LED backlight, more energy saving and environmental protection.
- The USB host port supports U disk to storage and download data.
- 4-way serial port, with Ethernet port, more powerful expansion function.
- Isolated power supply, protected from thunder strike and surging.
- New configuration software, rich library, powerful features.

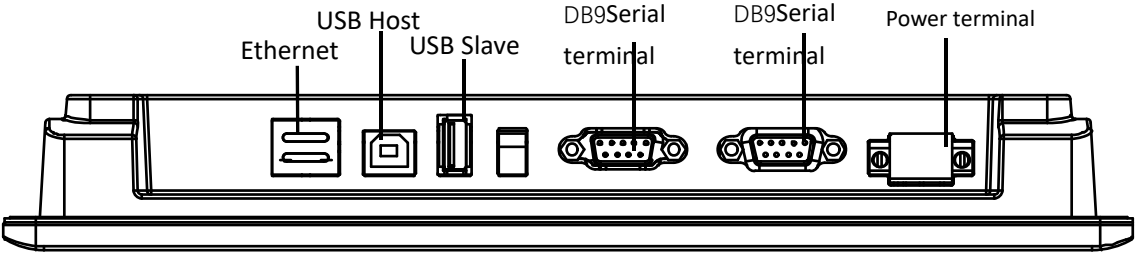

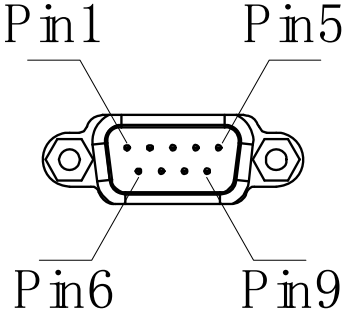
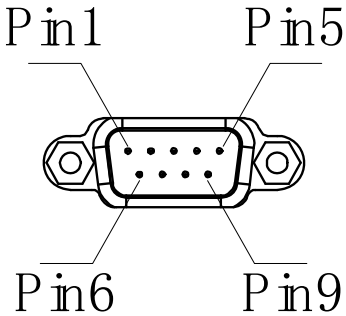



Appearance



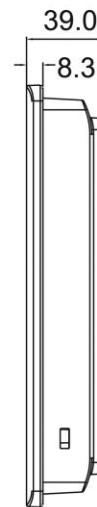
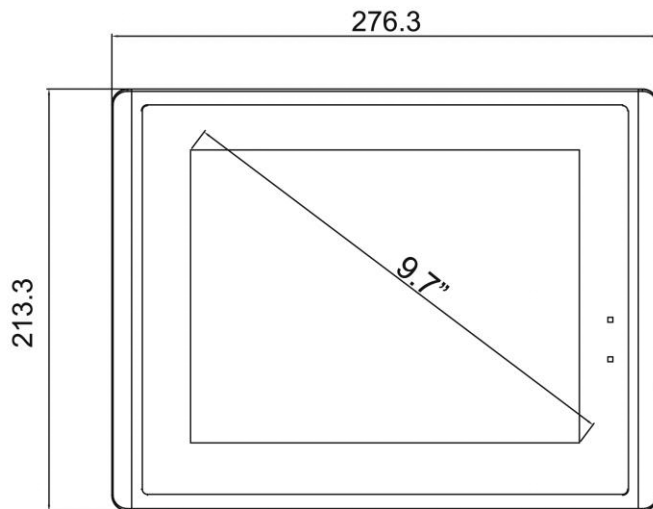
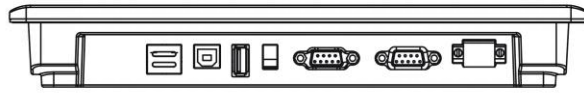
Specifications

Hardware parameter	Display	9.7" 4:3 TFT LCD
	Resolution(WxH)	1024×768
	Colors	16-bit
	Brightness	350 cd/m ²
	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	Available
	USB Port	10M/100M Adaptive Ethernet Port
	Download Project	USB Slave 2.0 Port1*1, USB Host 2.0 Port
	COM Port	USB Slave/U-disk/Ethernet/SD-Disk
	LCD viewing angle (T/B/L/R)	COM1/COM2: RS232/RS485/RS422 COM3/COM4: RS232
	CPU	85'/85'/85'/85'
Electrical Specifications	Power Consumption	< 10W
	Input Power	DC24V,working range DC 18V~28V
	Power Protection	Isolated power supply, 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	0~50°C
	Storage Temperature	-20~60°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	Engineering plastic
	Panel Cutout (WxH)	259mm×201mm
	Dimension	276mm×213mm×39mm
	Weight	About 1200g

Wiring definition

		
Power terminal (Pin1~Pin3 from left to right)		
	Pin1	FG
	Pin2	0V
	Pin3	DC24V
DB9 Serial terminal (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 terminal (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 to connect U disk, scan code gun and other peripherals
USB Slave		
	MicroUSB	Used to download programs and debug
Ethernet Port		
	RJ45	Used for Ethernet setup with the controller or for connecting to a server

Size FE4097iE



Panel Cutout (W*H): 259*201

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