

FLEXEM——Resistive HMI 4000 Series

Module: FE4121X

Overview

- Metal enclosure, better heat dissipation and stronger anti-interference ability.
- 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.
- New configuration software, rich library, powerful features.
- Isolated power supply, protected from thunderstrike and surging
- 4-way serial port, With Ethernet port, more powerful expansion function

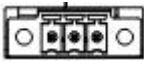
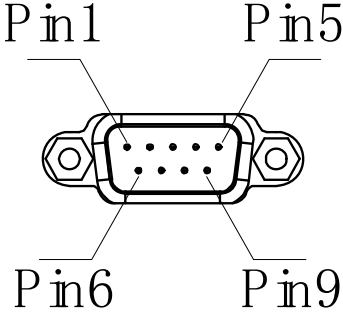
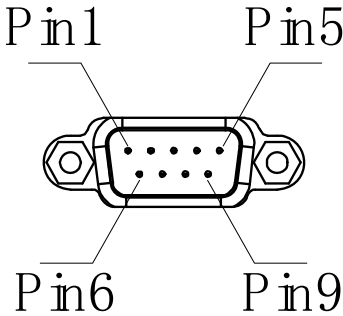



Appearance



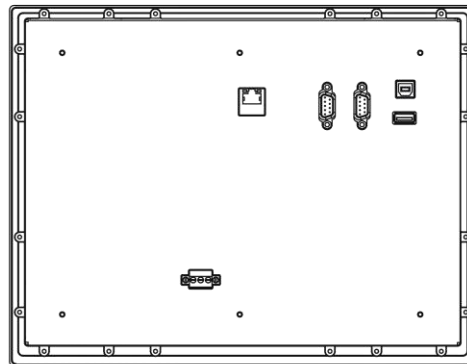
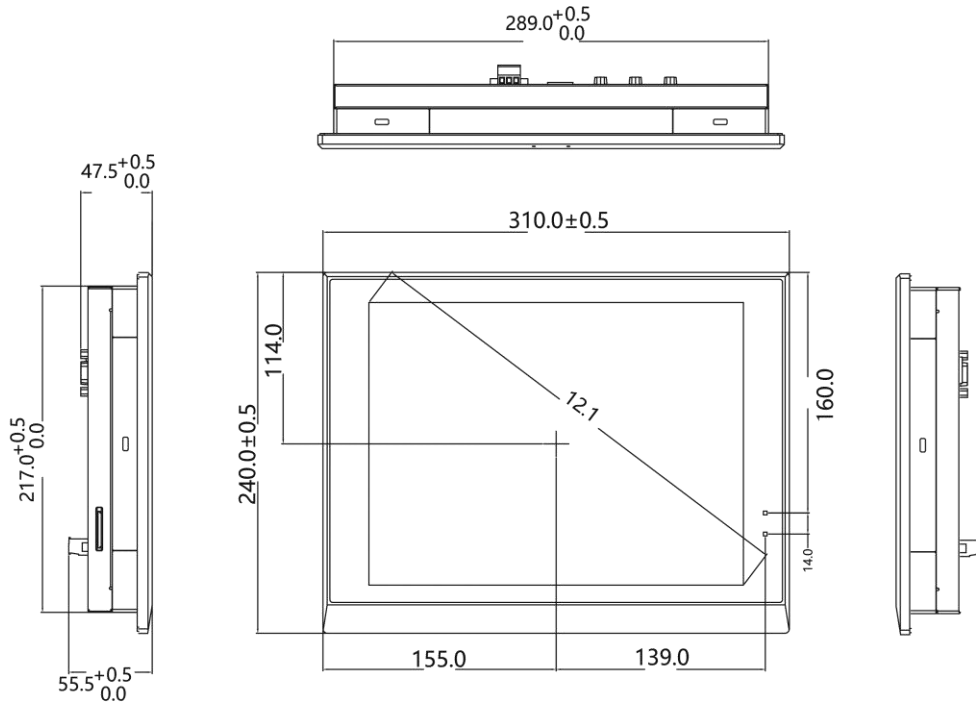
Specifications

Hardware Parameter	Display	12.1" 4:3 TFT LCD
	Resolution(WxH)	1024×768
	Colors	24-bit
	Brightness	370 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
	SD Card Port	Available
	Ethernet	10M/100M Adaptive
	USB Port	USB Slave 2.0 port *1, USB Host 2.0 port *1
	Download Project	USB Slave Port/U-disk/Ethernet/SD Card
	COM Port	COM1/COM2:RS232/RS485/RS422 COM3/COM4:RS232
	LCD viewing angle (T/B/L/R)	80'/80'/80'/80'
Electrical Specifications	Power Consumption	< 15W
	Input Power	DC24V,Working range DC 9V~28V
	Power Protection	Isolated power supply, 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
Environmental Specifications	Operating Temperature	-20~70°C
	Storage Temperature	-30~80°C
	Anti-UV	Not suitable to work in strong ultraviolet light (such as direct sunlight)
	Operating Humidity	10~90%RH (no condensate)
	Vibration Endurance	10~25Hz (X,Y,Z direction 2G/30 min)
	Cooling	Natural Air Cooling
Mechanical Index	Degree of Protection	Front IP65 (with NEMA panel,Back IP20)
	Enclosure	Aluminium alloy + galvanized sheet covering powder
	Panel Cutout	291mm×219mm
	Dimension	310mm×240mm×48.5mm
	Weight	About 2710g

Wiring definition

Power Terminal (Pin1~3 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 FE4121X



Panel Cutout (W*H):
 291mm*219mm(-0.0/+1.0mm)

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