FLEXEM——Resistive HMI 4000 Series

Module: **FE4070CE**

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, more powerful expansion function.
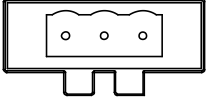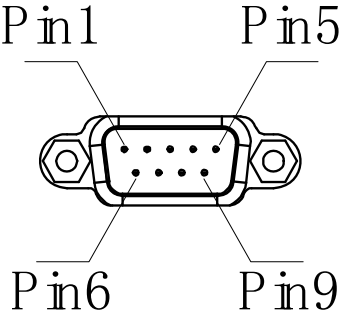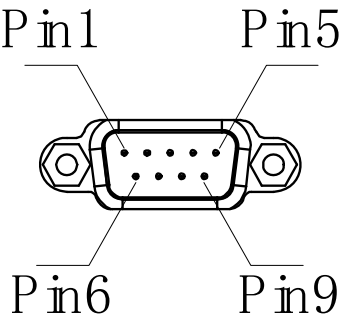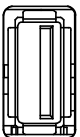- New configuration software, rich library, powerful features.

Appearance

Specifications

Hardware Parameter	Display	7" 16:9 TFT LCD
	Resolution(WxH)	800×480
	Colors	24-bit
	Brightness	360 cd/m²
	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 Adaptation
	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)	50'/70'/70'/70'
Electrical Specifications	Power Consumption	< 10W
	Input Power	DC24V, Working Range DC 9V~28V
	Power Protection	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	0~50℃
	Storage Temperature	-20~60℃
	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 minutes)
	Cooling	Natural Air Cooling
Mechanical Index	Degree of Protection	Front IP65(with NEMA panel), Back IP20
	Enclosure	Engineering plastic
	Panel Cutout Size	192mm×138mm
	Dimension	204mm×145mm×44.5mm
	Weight	About 600g

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+

(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 to set Ethernet with controller or connect to server

Size   FE4070CE

189.9

44.5

38.5

135.9
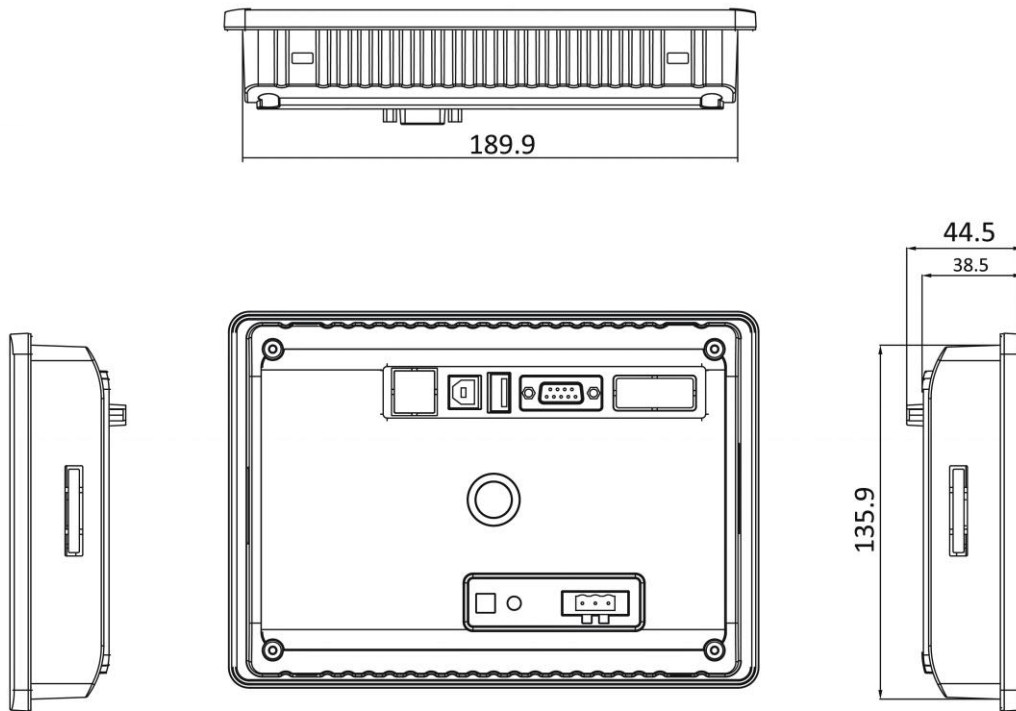
Panel Cutout (W*H): 192*138

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