

FLEXEM—Resistive HMI 4000 Series

Module: FE4104S

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.
- Streamlined two-way communication port, the USB host port supports U disk to storage and download data.
- 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.

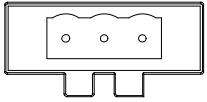
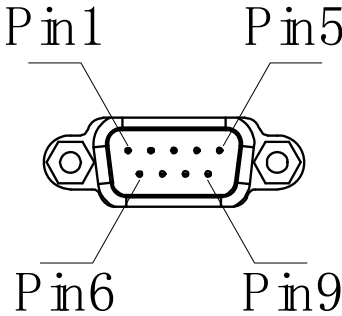
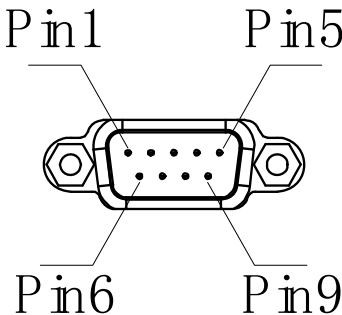
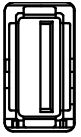


Appearance



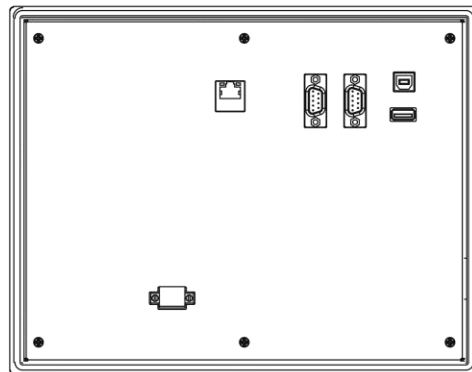
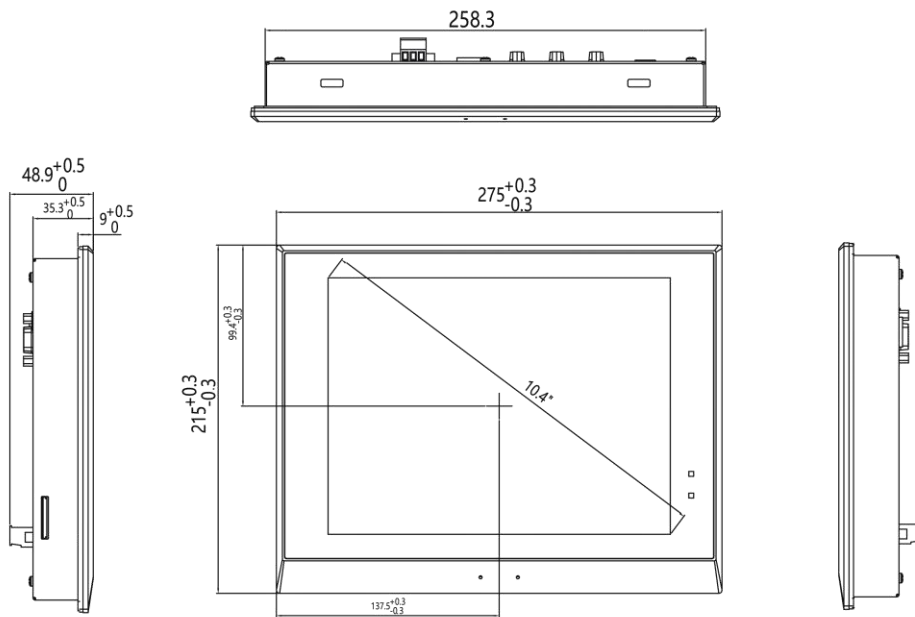
Specifications

Hardware Parameter	Display	10.4" 4:3 TFT LCD
	Resolution(WxH)	800×600
	Colors	24-bit
	Brightness	500 cd/m ²
	Backlight	LED
	LCD Life	50000 hours
	Touch Panel	4 wires resistive touch screen(Surface hardness 4H)
	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 2.0Port*1, USB Host 2.0Port*1
	Download Project	USB Slave/U-disk/Ethernet/SD Card
	COM Port	COM1/COM2: RS232/RS485/RS422, COM3/COM4: RS232
	LCD viewing angle (T/B/L/R)	50'/60'/75'/75'
Electrical Specifications	Power Consumption	< 15W
	Input Power	DC24V, Working range DC 18V~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 minutes)
	Cooling	Natural air cooling
Mechanical Index	Degree of Protection	Front IP65(with NEMA panel, Back IP20)
	Enclosure	The front panel is made of aluminum alloy, the surface is hardened and oxidized, the back shell is galvanized, and the surface is powdered.
	Panel Cutout	260mm×202mm
	Dimension	275mm×215mm×39.6mm
	Weight	About 2020g

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 to set Ethernet with controller or connect to a sever

Size FE4104S



Panel Cutout (W*H):
260.0mm*202.0mm(+1.0mm/-0.0mm)

Contact Us

Shanghai (R&D Center)

Address Floor 11, Block B, INNO Center,
No.298, Guoxia Road,
Yangpu District, Shanghai

Telephone +86-21-68683993

Fax +86-21-65107569

Suzhou

Address Room 915, Ricky Building
No.668, Yuting Avenue,
Suzhou Industrial Park

Telephone +86-512-69833996

Shenzhen (Factory)

Address 5 th Floor, NO.2 Building,Lanyun
Science Park, Tangtou Road,
Shiyan Town, Baoan District,
Shenzhen, China

Telephone +86-755-27610682

Fax +86-755-27629895

Wuxi

Address Room 1603, Taihu Mingzhu
Development Building, NO.1890
Taihu West Road, Binhu Distric,
Wuxi City

Telephone +86-18505101982

Beijing

Address Room 2008, Building 1,NO.93
Jianguo Road,
Chaoyang District,
Beijing (Wanda Plaza),China.

Telephone +86-10-58204608

Fax +86-10-58204608

Hangzhou

Address Floor 1, Unit LEO, Block 5,
Singapore Science Park, Road
6th, Xiasha Economic
Development Zone, Hangzhou