

FLEXEM——Resistive HMI FE4000 Series

Module: FE4043E

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 ports. The USB host port supports U disk to storage and download data.
- New configuration software, rich library, powerful features.
- 2-way serial port, with Ethernet, more powerful expansion function.


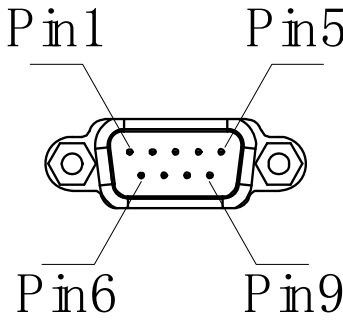
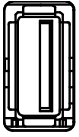


Appearance



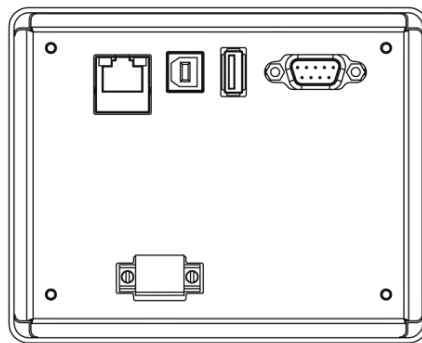
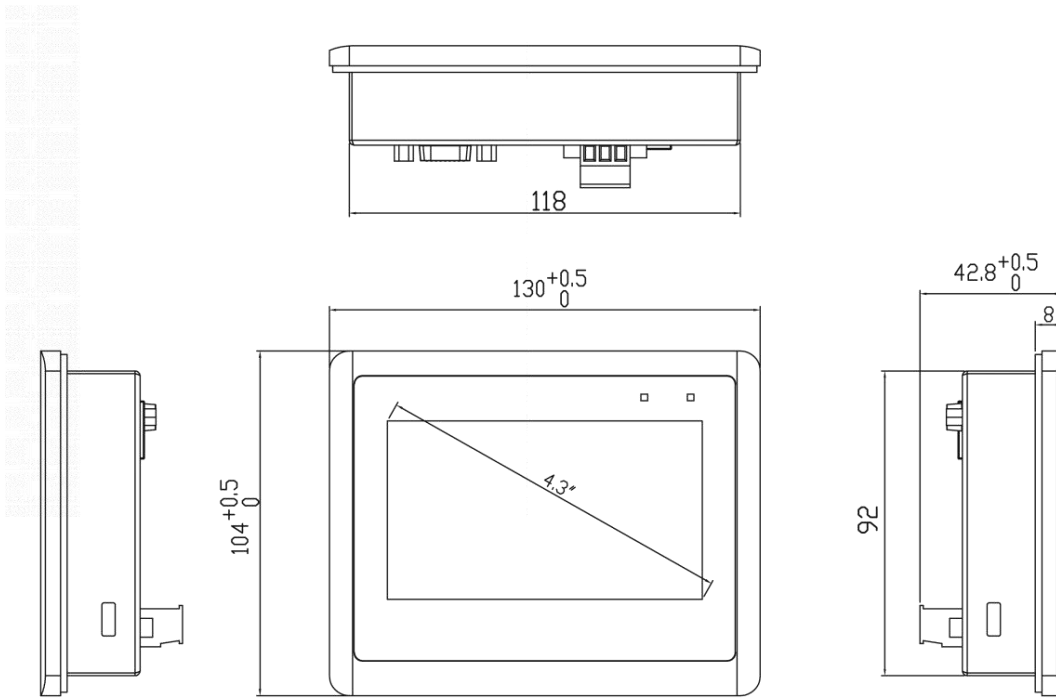
Specifications

| | | |
|------------------------------|-----------------------------|--|
| Hardware Parameter | Display | 4.3" 16:9 TFT LCD |
| | Resolution(WxH) | 480×272 |
| | Colors | 24-bit |
| | Brightness | 300 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 | 10/100M auto adaptation |
| | USB Port | USB Slave 2.0 Port*1,USB Host 2.0 Port*1 |
| | Download Project | USB Slave Port/U-disk/Ethernet |
| | COM Port | COM1:RS232/RS485/RS422 COM3:RS232 |
| | LCD viewing angle (T/B/L/R) | 50'/70'/70'/70' |
| Electrical Specifications | Power Consumption | < 5W |
| | 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 | -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/30min) |
| | 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 | 120mm×93mm |
| | Dimension | 130mm×104mm×43mm |
| | Weight | About 465g |

Wiring definition

| | | |
|---|------------|---|
| Power Terminal (Pin1~Pin3 from left to right) | | |
|  | Pin1 | FG |
| | Pin2 | 0V |
| | Pin3 | DC24V |
| DB9 Serial Terminal (Pin1~Pin9 from left to right) | | |
|  | 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+ |
| USB Host | | |
|  | USB Type A | Used to connect U disk, scan code gun and other peripherals |
| USB Slave | | |
|  | Micro USB | Used to download programs and debug |
| Ethernet Port | | |
|  | RJ45 | Used to set Ethernet with controller or connect to a server |

Size FE4043E



Embedded Installation
Buckles (Total 4 pieces)

Panel Cutout (W*H):
120.0mm*93.0mm(+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 5th 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