

FLEXEM——Resistive HMI FE6000 Series

Model: FE6100M

Overview

Flexem Industrial HMI 6000 Series, a new generation of IIoT human-machine interface. It is high-quality and cost-effective touch screen, industrial ABS plastic shell, low cost, high reliability. The mainboard is treated with a special coating (three anti-paint) to adapt to harsh environments. The new model opens with a more practical down-line approach, and the redesigned front face has a better looking look, and higher resolution model is available. By selecting the Flink IIoT module, you can upgrade IIoT human-machine interface immediately and uses complete and convenient industrial IIoT cloud platform service.

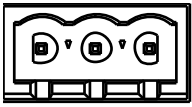
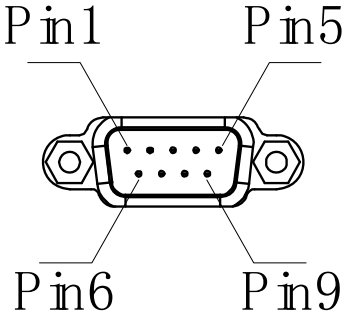
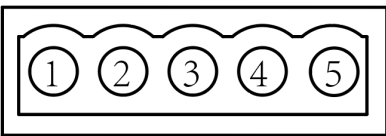


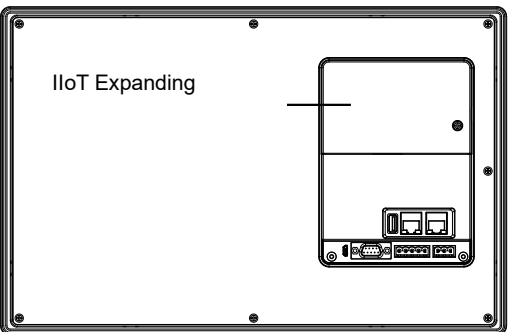
Appearance



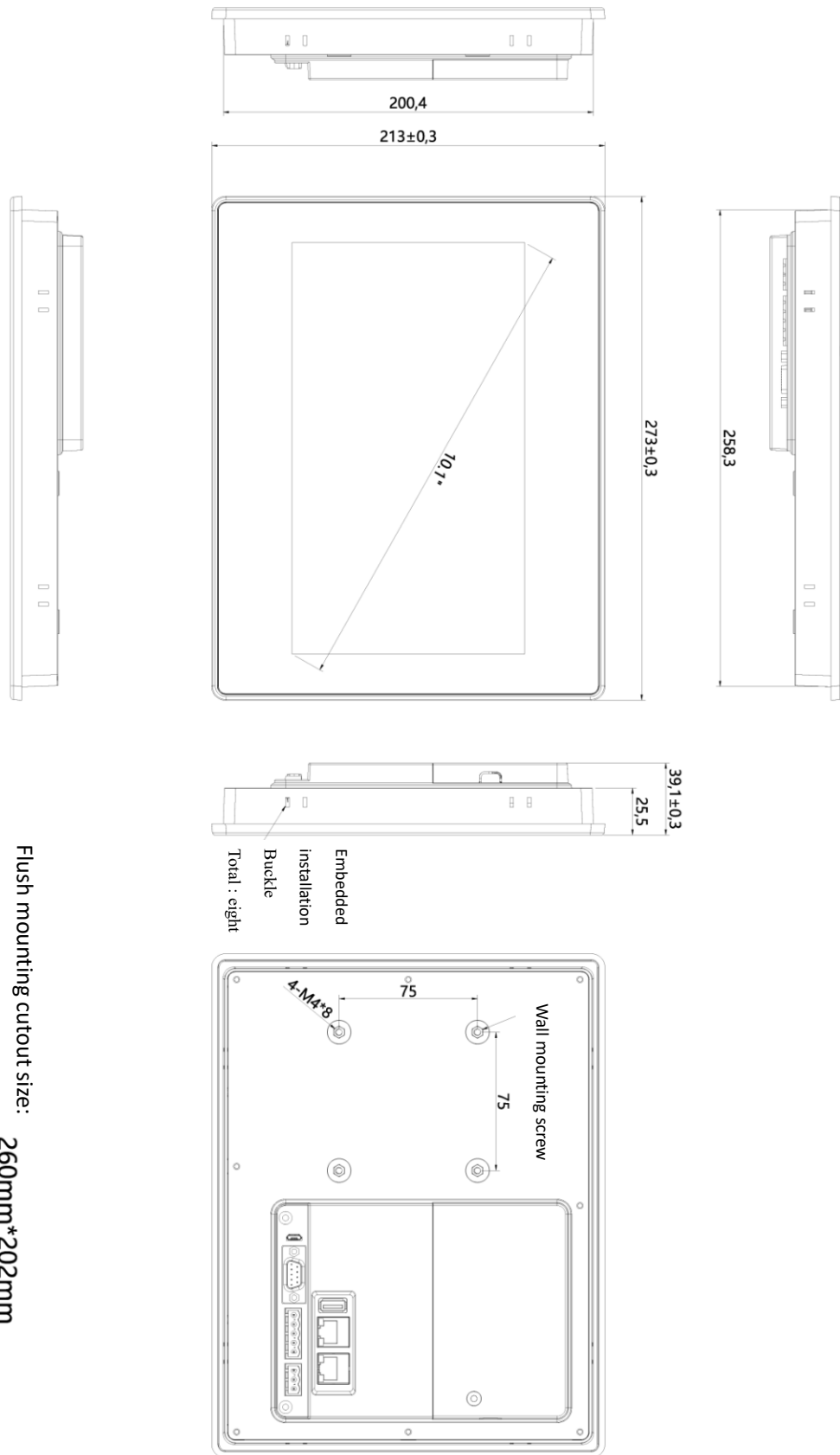
Specifications

| | | |
|------------------------------|--|--|
| Hardware parameter | Display | 10.1" 16:9 TFT LCD |
| | LCD viewing angle (T/B/L/R) | 85°/85°/85°/85° |
| | Resolution (WxH) | 1024×600 |
| | Colors | 24-bit |
| | Brightness | 400 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 | Micro SD (TF) |
| | Ethernet | 1 way 10M/100M adaptive |
| | USB Port | USB Slave 2.0 port*1,USB Host 2.0 port*1 |
| | Download Project | USB Slave/U disk / Ethernet |
| COM Port | COM1: RS232/RS485/RS422; COM2: RS485/RS422 COM3: RS232 | |
| 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 | -10~60℃ |
| | Storage Temperature | -20~70℃ |
| | Anti-UV | Not suitable to work in strong ultraviolet light (such as direct sunlight) |
| | Operating Humidity | 10~90%RH (non condensate) |
| | Vibration Endurance | 10~25Hz (X,Y,Z direction 2G/30 minutes) |
| | Cooling | Natural air cooling |
| Mechanical index | Installation method | Flush mount / VESA mount |
| | Degree of Protection | Front IP65(with NEMA panel),Back IP20 |
| | Enclosure | Aluminum alloy |
| | Panel Cutout | 260mm×202mm |
| | Dimension | 274mm×214mm×39mm,26mm thickness without extension |
| | Weight | About 1450g |

Wiring definition

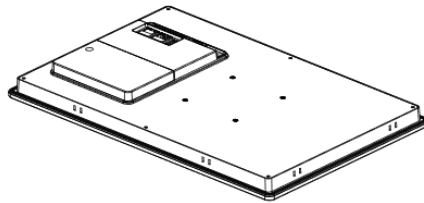
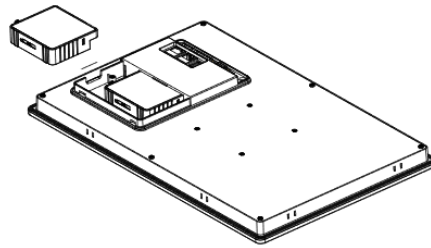
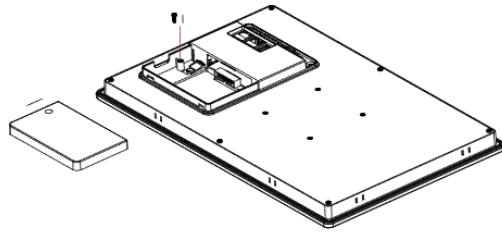
| | | |
|---|----------------------------|--|
| Power terminal (Pin1~Pin3 from left to right) | | |
|  | Pin1 | DC24V |
| | Pin2 | GND |
| | Pin3 | FG |
| DB9 Serial terminal(COM1/COM3) | | |
|  | Pin1 | Rx-(B) |
| | Pin2 | RxD (COM1 RS232) |
| | Pin3 | TxD (COM1 RS232) |
| | Pin4 | Tx- |
| | Pin5 | GND |
| | Pin6 | Rx+(A) |
| | Pin7 | RxD (COM3 RS232) |
| | Pin8 | TxD (COM3 RS232) |
| | Pin9 | Tx+ |
| COM2 Port | | |
|  | Pin1 | Rx+(A) |
| | Pin2 | Rx-(B) |
| | Pin3 | GND |
| | Pin4 | Tx+ |
| | Pin5 | 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 |
| FLink Expanding Module | | |
|  | Expansion module card slot | Support module: FLink FLink-2G-A FLink-4G-A FLink-4G-C FLink-WiFi-A |

Size FE61000M

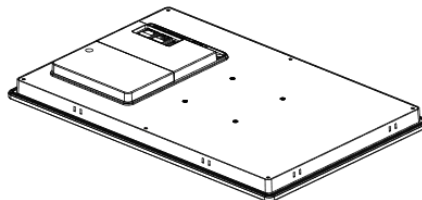
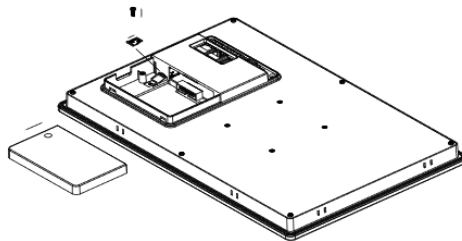


Flush mounting cutout size: 260mm*202mm

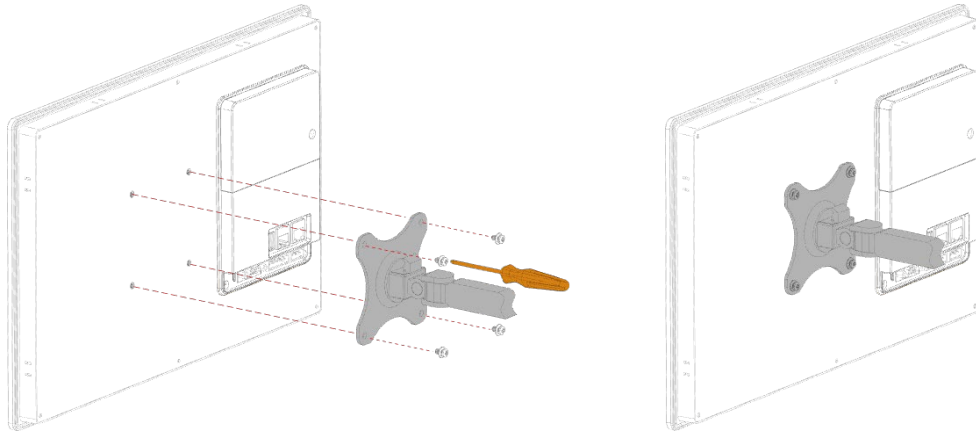
FLink Installation diagram



TF Card Installation diagram



VESA Installation diagram



Accessories include: screw PM4 * 8 (excluding hanger).

Contact us

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