

Hitek——IIoT HMI FE6000 Series

Model: ISM6100WE

Overview

HITEK 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.

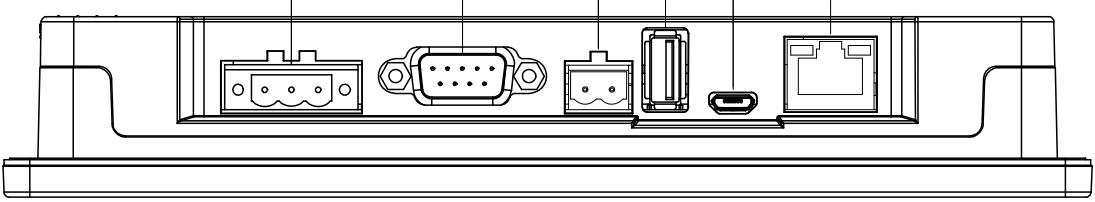
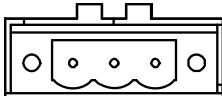
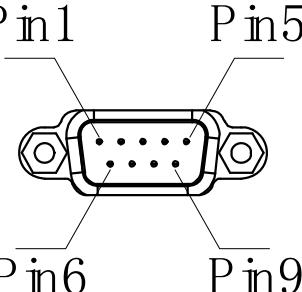
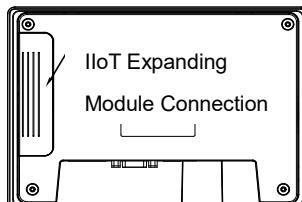
Appearance



Product specifications

| Hardware version | | Version: 2.0 | Version: 3.x |
|------------------------------|-----------------------------|---|----------------------|
| Hardware parameter | Display | 10.1" 16:9 TFT LCD | |
| | 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 | |
| | CPU | 600MHz ARM Cortex-A8 | 1.2GHz ARM Cortex-A7 |
| | Memory | 128M Flash + 128M DDR3 | 256MB DDR3+4GB EMMC |
| | RTC | Built in | |
| | Ethernet | 1 way 10M/100M adaptive | |
| | SD card Port | Available | |
| | USB Port | USB Slave 2.0 port*1,USB Host 2.0 port*1 | |
| | Download Project | USB Slave/U disk / Ethernet | |
| Electrical Specifications | COM Port | COM1/COM3:RS232/RS485/RS422 COM2:RS485 | |
| | LCD viewing angle (T/B/L/R) | 85'/85'/85'/85' | |
| | Power Consumption | < 10W | |
| | Input Power | DC24V, working range DC 9V~28V | |
| | Power Protection | Protected from thunderstrike and surging | |
| Environmental Specifications | 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 | |
| | Operating Temperature | 0~50°C | |
| | Storage Temperature | -20~60°C | |
| | Anti-UV | Not suitable to work in strong ultraviolet light (such as direct sunlight) | |
| | Operating Humidity | 10~90%RH(non condensate) | |
| Mechanical index | Vibration Endurance | 10~25Hz (X,Y,Z direction 2G/30 minutes) | |
| | Cooling | Natural air cooling | |
| | Degree of Protection | Front IP65(with NEMA panel), Back IP20 | |
| | Enclosure | Engineering plastic | |
| | Panel Cutout | 260mm×202mm | |
| Dimension | | 273mm×213mm×36mm | |
| Weight | | About 920g | |

Wiring definition

| Power terminal | DB9 Serial port | 485terminal | USB Slave | Ethernet port |
|---|----------------------------|---|-----------|---------------|
|  | | | | |
| Power terminal (Pin1~Pin3 from left to right) | | | | |
|  | Pin1 | FG | | |
| | Pin2 | 0V | | |
| | Pin3 | DC24V | | |
| DB9 Serial terminal | | | | |
|  | 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+ | | |
| 485 terminal (Pin1~Pin2 from left to right) | | | | |
|  | Pin1 | A+ (COM2 RS485) | | |
| | Pin2 | B- (COM2 RS485) | | |
| Ethernet port | | | | |
|  | RJ45 | Used for Ethernet setup with the controller or for connecting to a server | | |
| 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 | | |
|  | Expansion module card slot | Support module: FLink, FLink-2G, FLink-4G, FLink-WiFi | | |

Size

