

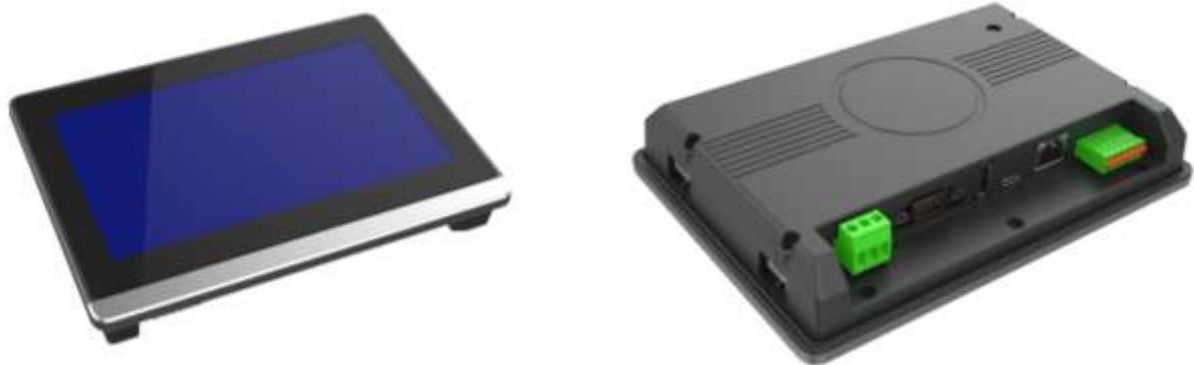
Flexem Capacitive HMI F0 Series

Model: F007N

Products Overview

- PVC enclosure low cost with high reliability.
- By using IPS full-view high brightness LCD screen to upgrade brightness angle and parameters.
- The mainboard is with three-proofing lacquer processing to adapt to various harsh environment.
- Convenient installation by using Locking structure terminals.
- 4-line serial ports with Ethernet ports with strong expansion capability.
- Full-new configuration software with rich library and strong functions.

Products Appearance

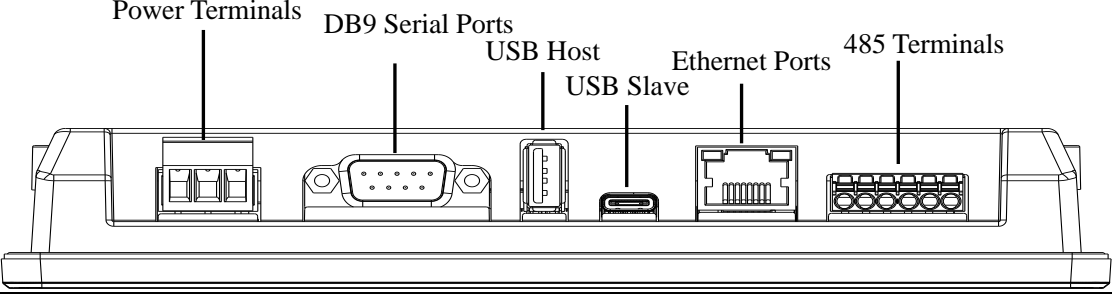
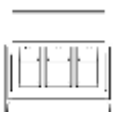
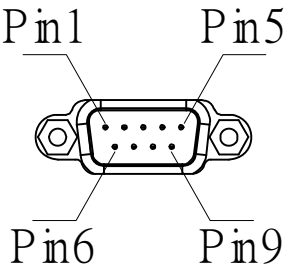
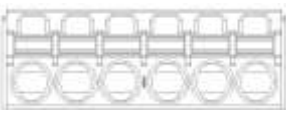




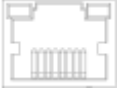
Products Specifications

| | | |
|----------------------------|----------------------------|---|
| Hardware Parameters | Touch Screen | 7" 16:9 TFT LCD touch screen with wide view |
| | Resolution | 1024×600 |
| | Color | 24-bit |
| | Brightness | 350 cd/m ² |
| | Backlight | LED |
| | LCD Life | 50000 hours |
| | Touch Screen | Glass+Glass Projection multi point capacitive touch screen |
| | CPU | 600MHz ARM Cortex-A8 |
| | Memory | 128M Flash + 128M DDR3 |
| | RTC | Built-in |
| | Ethernet | 10M/100M self-adaptive |
| | SD Card | Supporting |
| | USB Port | 1 USB Type C port, 1 USB Host 2.0 port |
| | Program Downloading | USB Slave Port/U-disk /Ethernet |
| | Serial Communication Ports | COM1: RS232/RS485/RS422 COM2/COM4: RS485 COM3: RS232 |
| LCD View Angle (T/B/L/R) | 85'/85'/85'/85' | |
| Specifications | Rated Power | < 6W |
| | Rated Voltage | DC24V, working range: DC 9V~28V |
| | Electricity Protection | Protecting from lightening and surging. |
| | Power Loss | < 5mS |
| | CE & RoHS | It confirms to EN61000-6-2:2005 and EN61000-6-4:2007 standard. It confirms to RoHS. Lightening surging±1KV,pulse group±2KV. Static Contact: 4KV, air discharging:8KV |
| Environment Specifications | Working Temperature | -10~60°C |
| | Storage Temperature | -20~70°C |
| | UV-Proof | It prohibits working under strong violet environment such as direct sunshine. |
| | Environment Humidity | 10~90%RH (Non condensate) |
| | Anti-vibration | 10~25Hz(X,Y,Z direction 2G/30 minutes) |

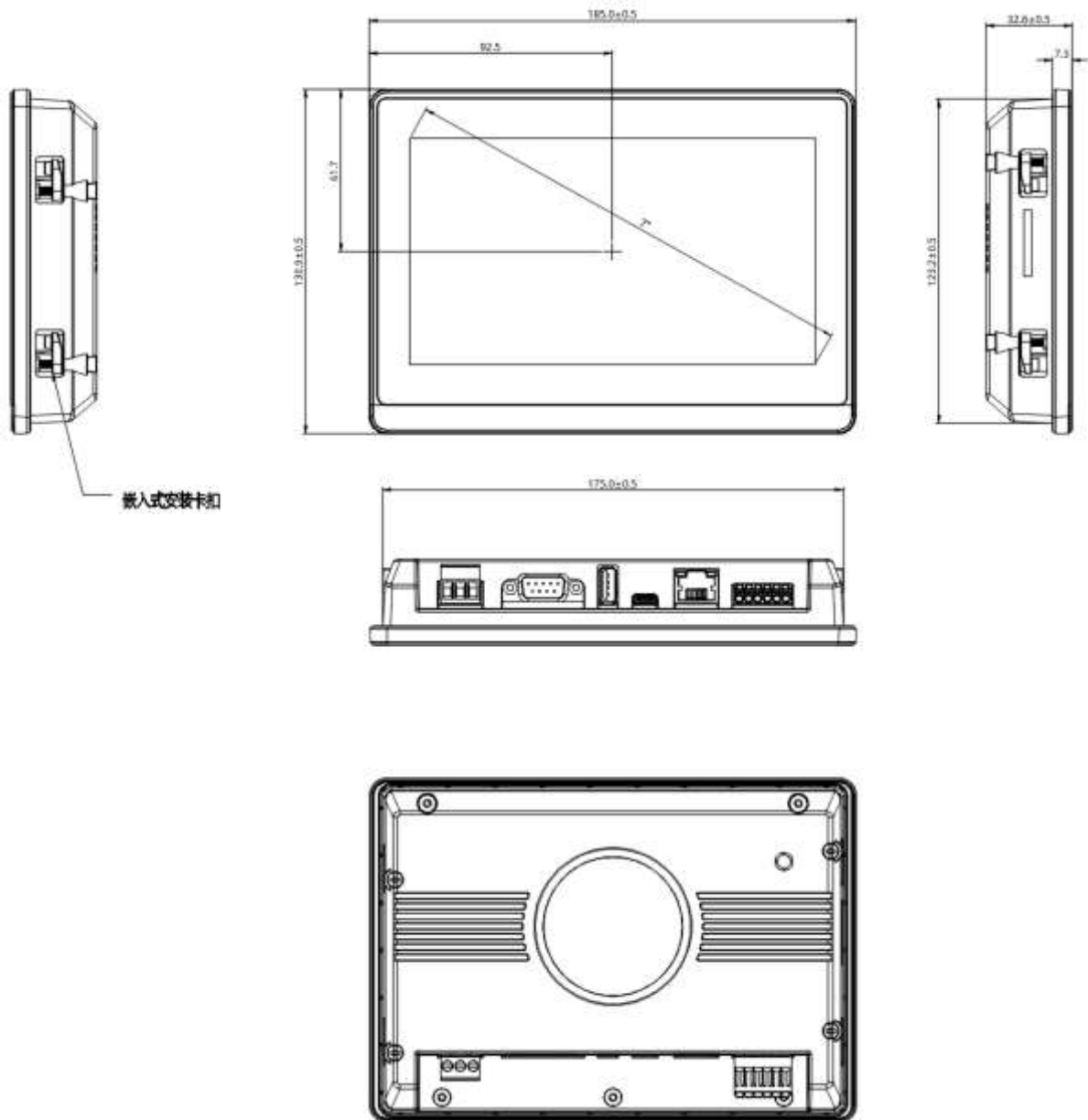
| | | |
|-----------------------|----------------------|--|
| | Cooling Way | Natural Cooling |
| Mechanical Parameters | Protection Grade | The front panel confirms to IP65(suitable for whole cabinet installation), Fuselage rear shell confirms to IP20. |
| | Mechanical Structure | ZINC+ engineering plastics |
| | Hole Dimension | 178mm×125mm |
| | Machine Size | 185.1mm×130.9mm×32.6mm |
| | Machine Weight | About 600g |

Wiring Definition

|  | | |
|---|------------|--|
| Power Terminals (Pin1~3 from left to right) | | |
|  | Pin1 | FG |
| | Pin2 | 0V |
| | Pin3 | DC24V |
| DB9 Serial Ports | | |
|  | Pin1 | Rx-(B) (COM1 RS422/485-) |
| | Pin2 | RxD (COM1 RS232) |
| | Pin3 | TxD (COM1 RS232) |
| | Pin4 | Tx- (COM1 RS422) |
| | Pin5 | GND |
| | Pin6 | Rx+(A)(COM1 RS422/485+) |
| | Pin7 | RxD (COM3 RS232) |
| | Pin8 | TxD (COM3 RS232) |
| | Pin9 | Tx+ (COM1 RS422) |
| 485 Terminals(Pin1~Pin6 from left to right) | | |
|  | Pin1 | A+(COM2) |
| | Pin2 | B-(COM2) |
| | Pin3 | GND |
| | Pin4 | A+(COM4) |
| | Pin5 | B-(COM4) |
| | Pin6 | GND |
| USB Host | | |
|  | USB Type A | Used for connecting U-DISC and scanner etc. |
| USB Slave | | |
|  | USB Type C | Used for software program downloading and testing. |
| Ethernet Ports | | |

| | | |
|---|------|--|
|  | RJ45 | Used for setting Ethernet with controller or used for server connection. |
|---|------|--|

Size F007N



178mm (±1.0mm) *125mm(±1.0mm)