

## FLEXEM——IIoT HMI FE6000 Series

### Module: FE6070H

#### 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 main board 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 the IIoT human-machine interface immediately and uses complete and convenient industrial IIoT cloud platform service.

#### Appearance



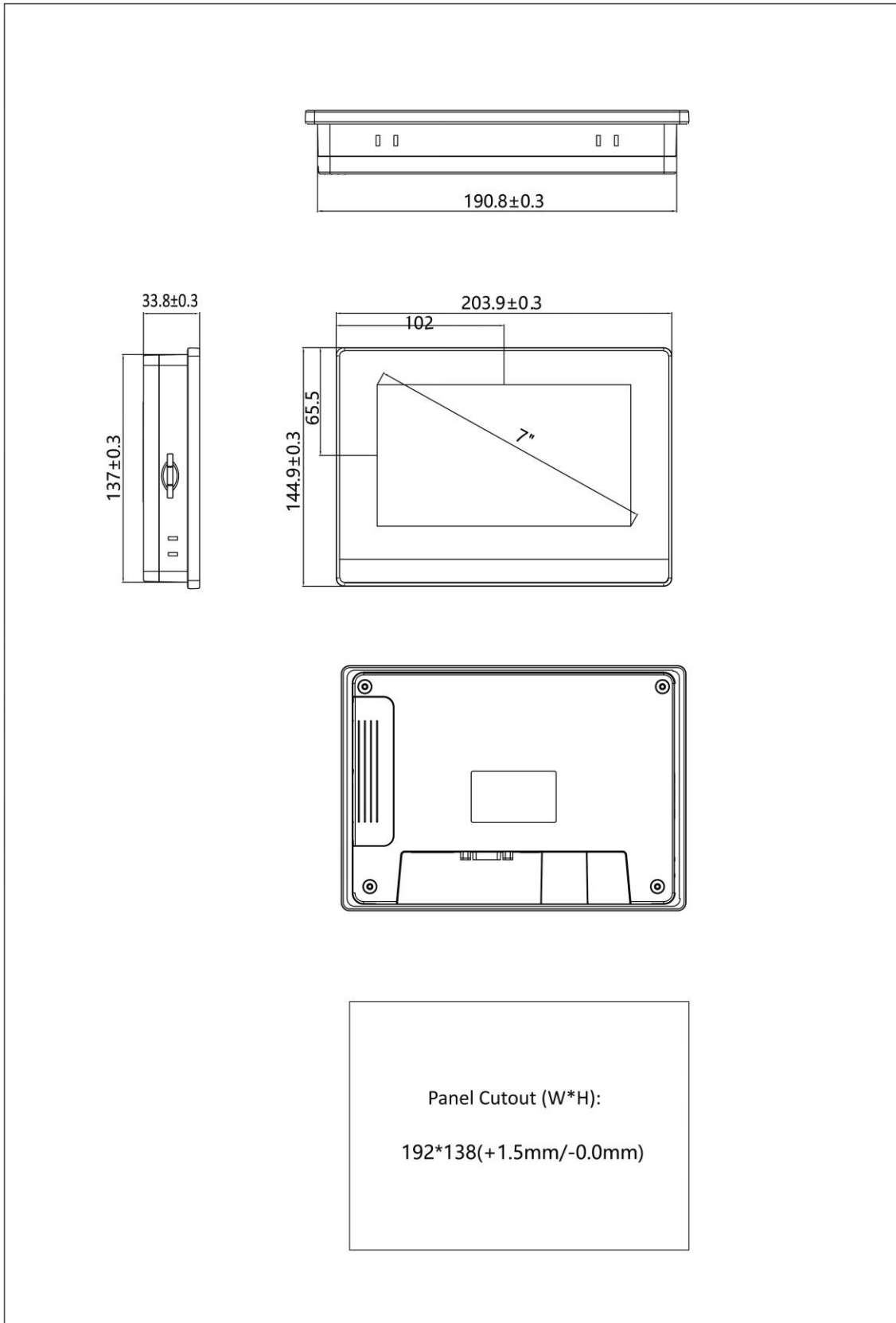
**Specifications**

|                              |                       |  |
|------------------------------|-----------------------|--|
| Hardware parameter           | Display               | 7" 16:9 TFT LCD  |
|                              | Resolution(WxH)       | 1024×600   |
|                              | Colors                | 24-bit   |
|                              | Brightness            | 450 cd/m <sup>2</sup>  |
|                              | 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              | 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  |
|                              | COM Port              | COM1/COM3:RS232/RS485/RS422<br>COM2:RS485  |
| LCD viewing angle (T/B/L/R)  | 85'/85'/85'/85'       |  |
| 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 | 0~50℃  |
|                              | Storage Temperature   | -20~60℃  |
|                              | 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             | Engineering plastic  |
|                              | Panel Cutout          | 192mm×138mm  |
|                              | Dimension             | 204mm×145mm×33.8mm   |
|                              | Weight                | About 560g   |

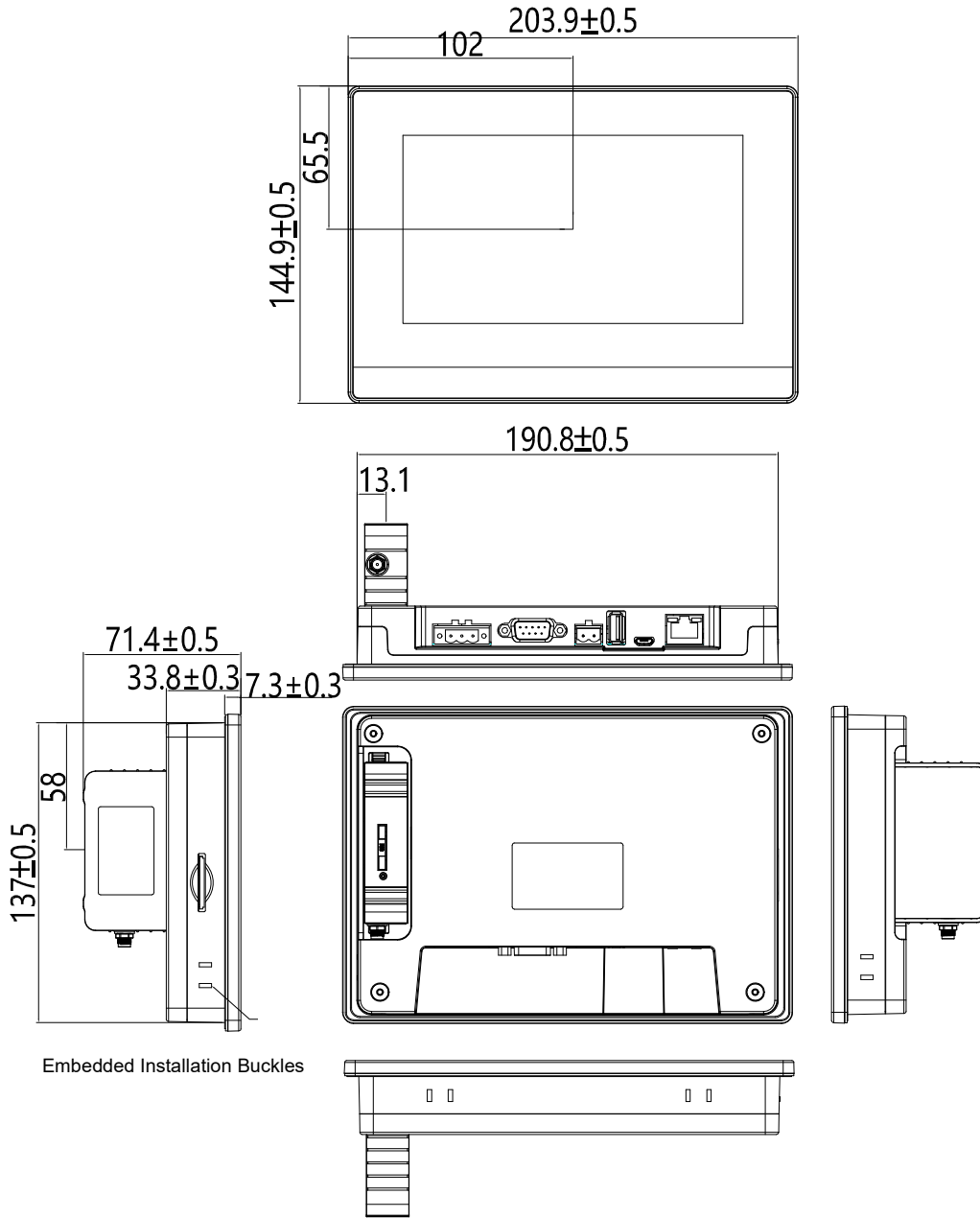
**Wiring definition**

| 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 FE6070H



Size FE6070H+FLink



Embedded Installation Buckles

Panel Cutout of Embedded installation:  $192\text{mm} \times 138\text{mm}$  (  $+1.0/-0.0\text{mm}$  )

**Contact us**

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**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  
District, Wuxi City

Telephone: +86-18505101982

**Beijing**

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

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