FLEXEM——IIoT HMI FE6000 Series

Module: **FE6070W**

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 istreated 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.
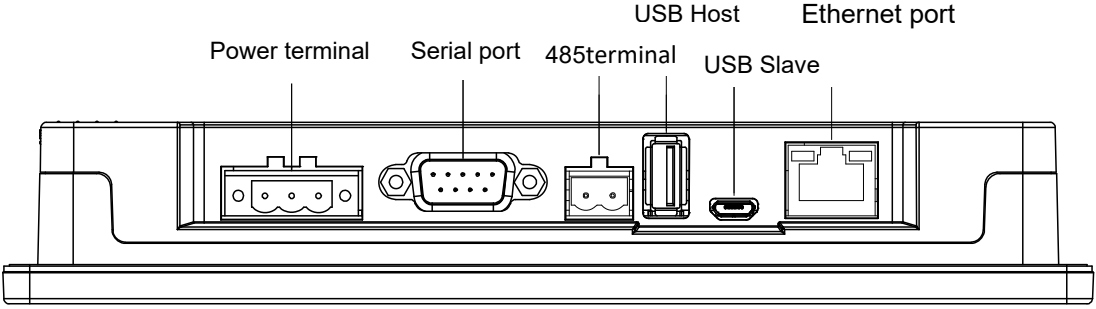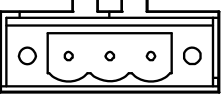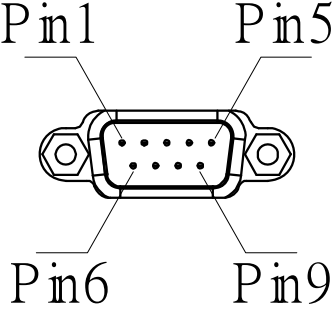
Appearance

Tel:+86-21-68683993
Website:www.flexem.com
We will promote devices intellectualization step by step.   1
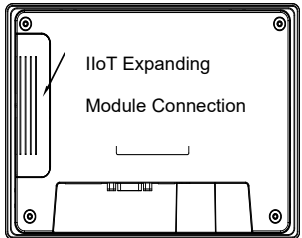
Specifications

Hardware parameter	Display	7" 16:9 TFT LCD
	Resolution(WxH)	1024×600
	Colors	24-bit
	Brightness	450 cd/m²
	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
	Ethernet	Not Available
	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 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	ABS+PC
	Panel Cutout	192mm×138mm
	Dimension	204mm×145mm×33.8mm
	Weight	About 560g

Wiring definition

Power terminal、Serial port、485terminal、USB Host、USB Slave、Ethernet port

Power terminal（Pin1~Pin3from 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

190.8±0.3

33.8±0.3

203.9±0.3

102

65.5

137±0.3

144.9±0.3

7"
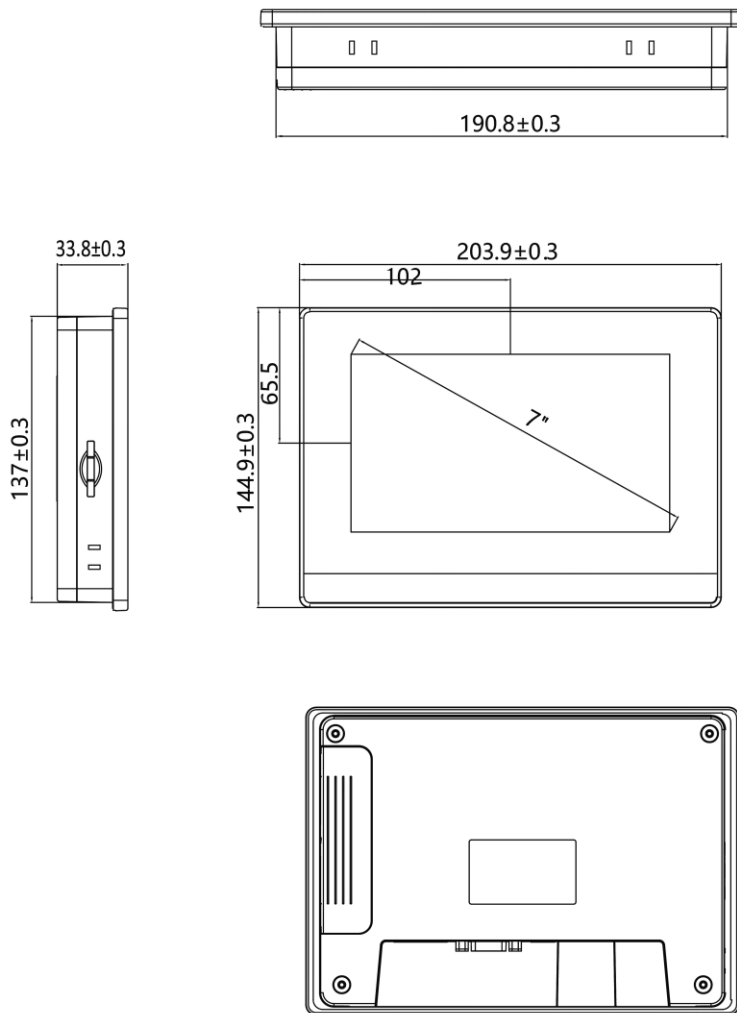
Panel Cutout (W*H):

192*138(+1.5mm/-0.0mm)

Tel:+86-21-68683993
Website:www.flexem.com
We will promote devices intellectualization step by step.   4

Size   FE6070H+FLink

203.9±0.5

102

65.5

144.9±0.5

190.8±0.5

13.1

71.4±0.5

33.8±0.3 7.3±0.3

58

137±0.5

Embedded Installation Buckles
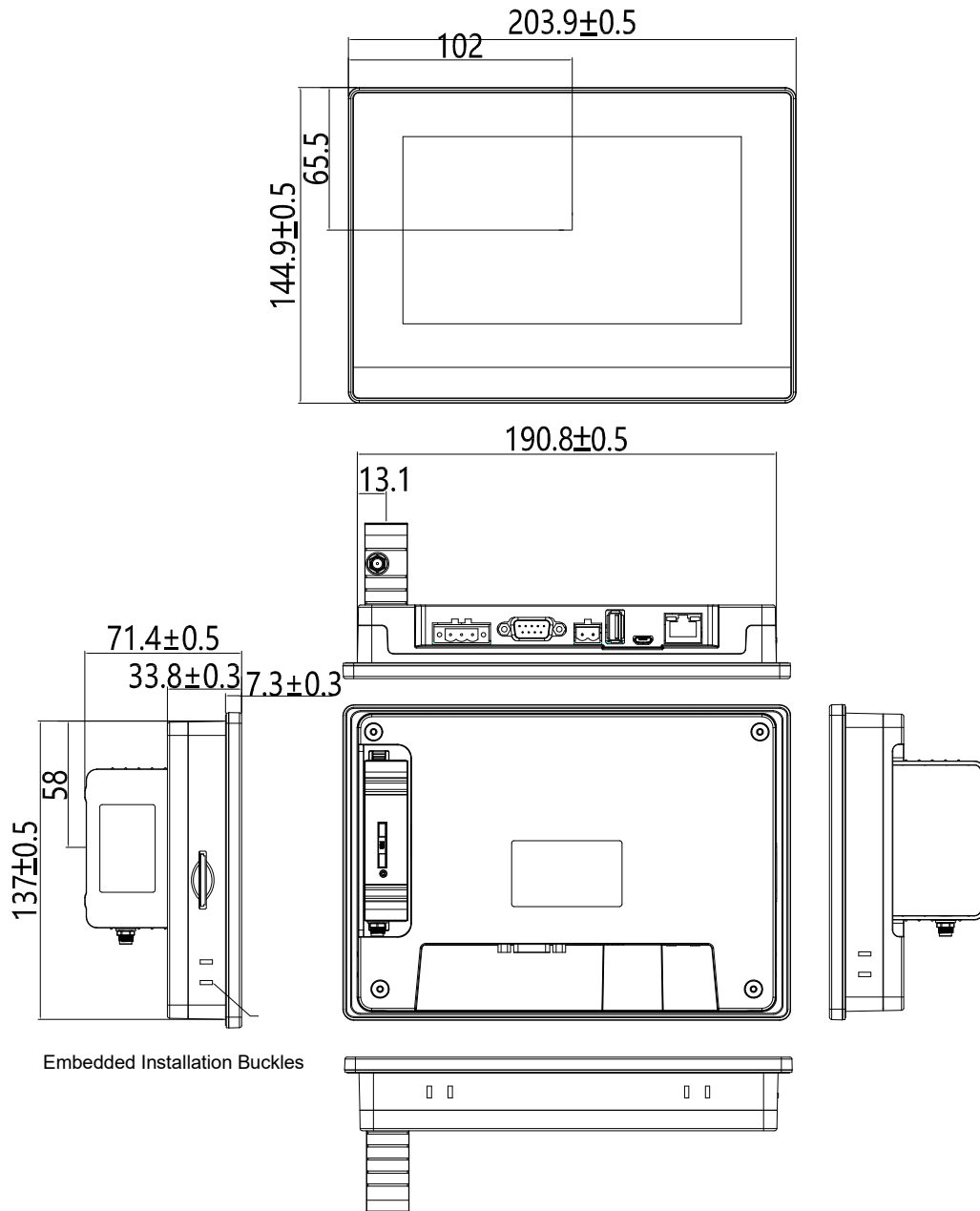
Panel Cutout of Embedded installation: 192mm*138mm（+1.0/-0.0mm）

Contact us

Shanghai (R&D Center)

Address: Room 804, Lane 1688, North
            Guoquan Road, Yangpu
            District, Shanghai, China
Telephone: +86-21-68683993
Fax: +86-21-65107569

Suzhou

Address: Room 915, Ricky Building,
            No.668,YutingAvenue,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: Room 1005, Building 6,
            Dongsha Mingcheng, No.
            159, Tiancheng East Road,
            Xiasha Development Zone,
            Hangzhou