FLEXEM——IIoT HMI FE6000 Series

Module: **FE6100C**

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 anduses complete and convenient industrial IIoT cloud platform service.
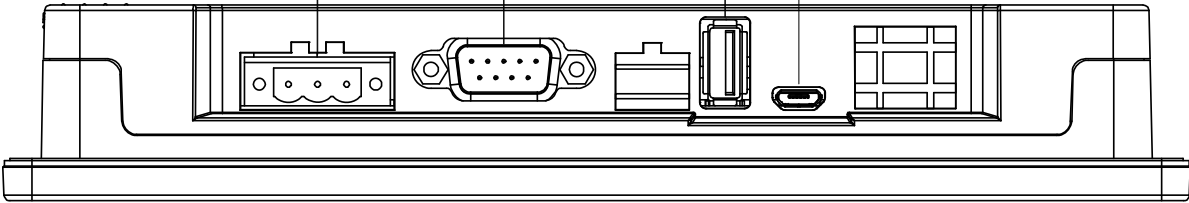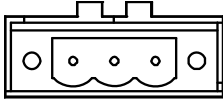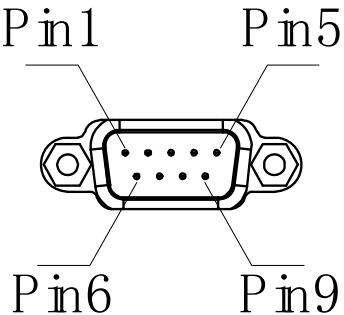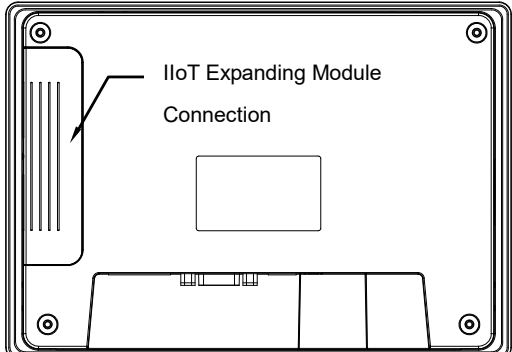
Appearance

Product specifications

Hardware parameter	Display	10.1" 16:9 TFT LCD
	Resolution(WxH)	1024×600
	Colors	24-bit
	Brightness	400 cd/m²
	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	NA
	USB Port	USB Slave 2.0 port*1,USB Host 2.0 port*1
	Download Project	USB Slave/U-disk
	COM Port	COM1:RS232/RS485/RS422, COM3:RS232
	LCD viewing angle (T/B/L/R)	85'/85'/85'/85'
Electrical Specifications	Power Consumption	< 10W
	Rated voltage	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	260mm×202mm
	Dimension	273mm×213mm×36mm
	Weight	About 890g

Wiring definition

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+

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-2G, FLink-4G, FLink-WiFi

Size   FE6100C

258.9±0.3

273±0.3

136.5

36±0.3

94.5

201±0.3

213±0.3

10.1"

Panel Cutout (W*H):

260*202(+1.0mm/-0.0mm)

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

Size   FE6100C+FLink

273±0.3

213±0.3

73.5±0.3

36±0.3

69.4±0.3

81.1±0.3

74.2±0.3
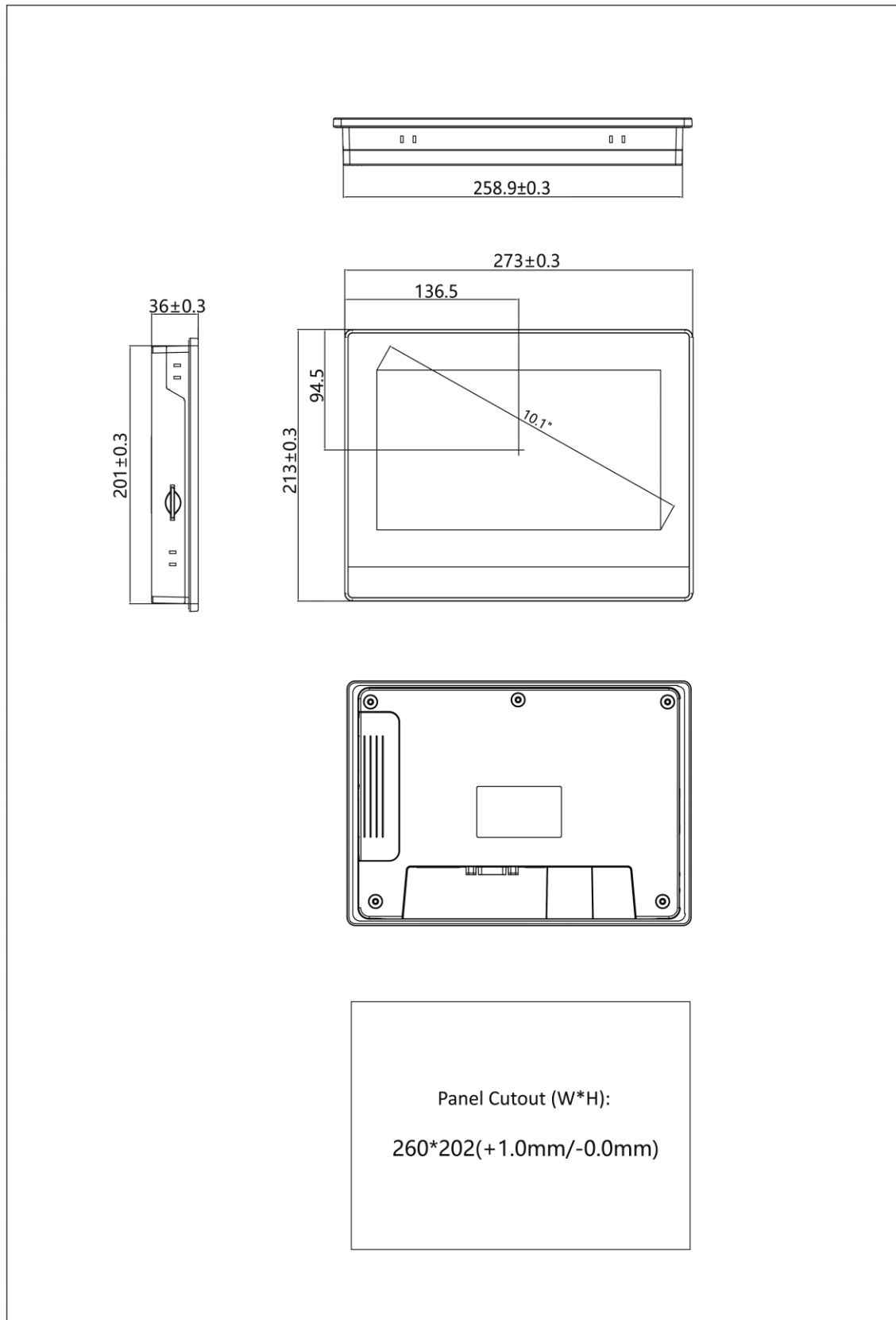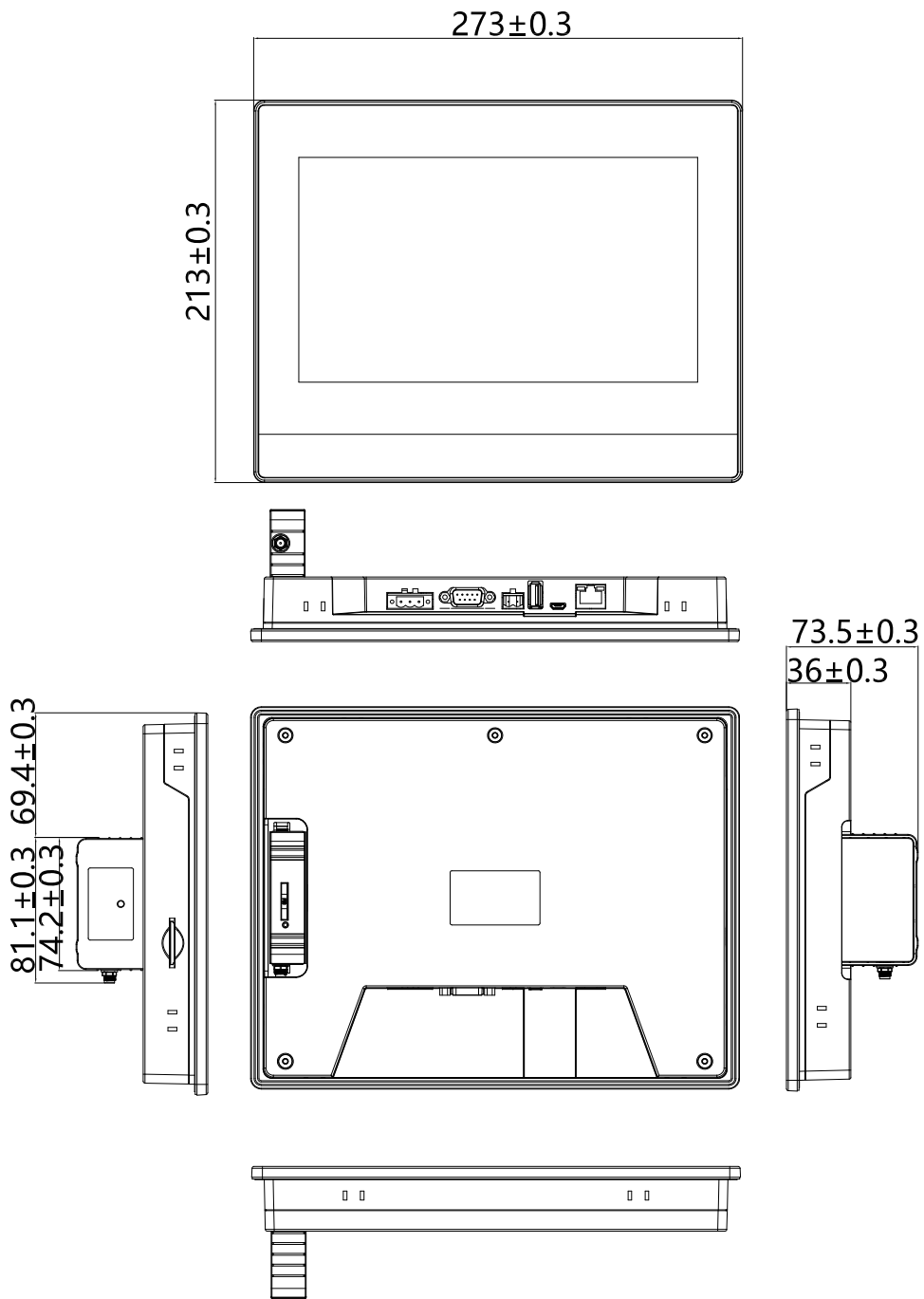
Contact us

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