

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

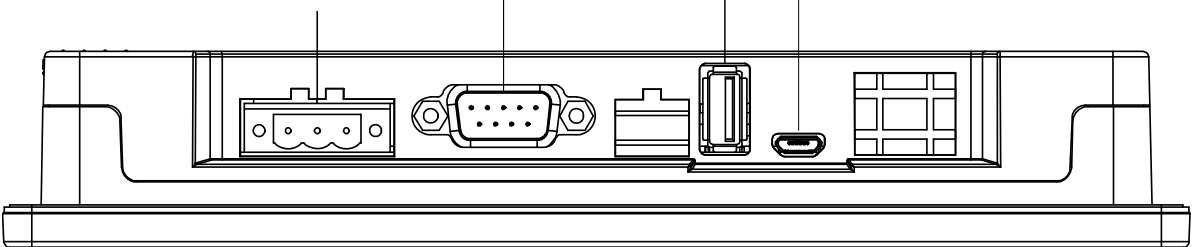
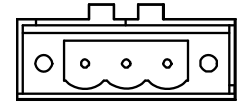
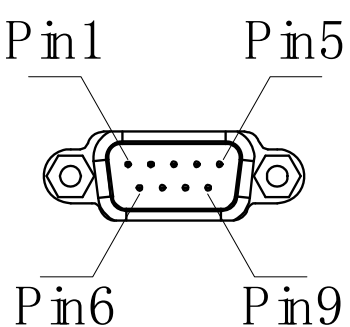
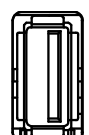

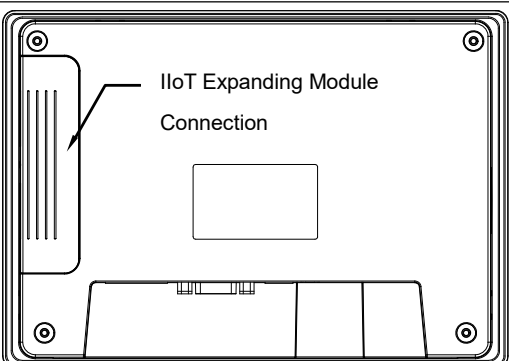
Appearance



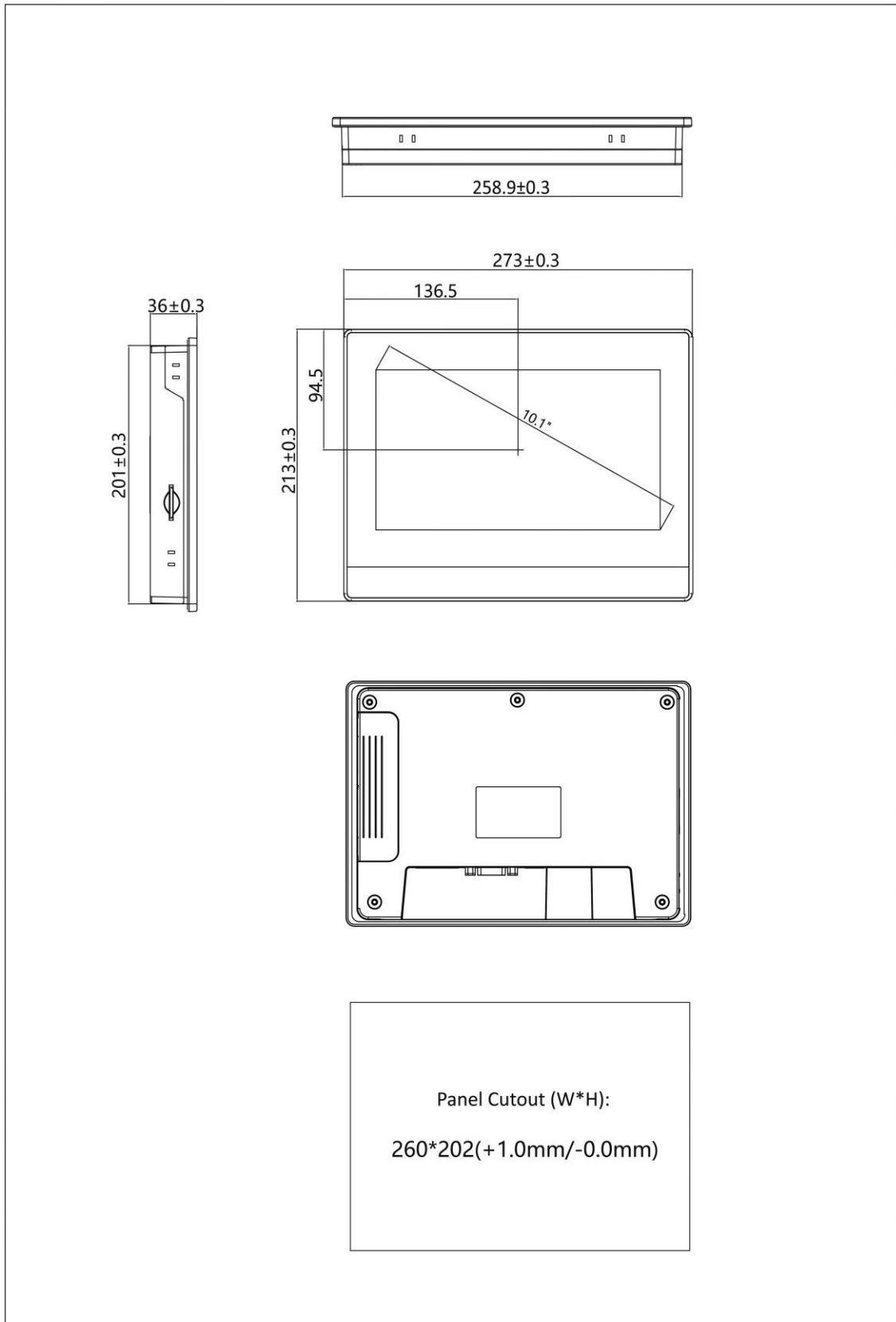
Product specifications

Hardware parameter	Display	10.1" 16:9 TFT LCD
	Resolution(WxH)	1024×600
	Colors	24-bit
	Brightness	400 cd/m ²
	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°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 (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

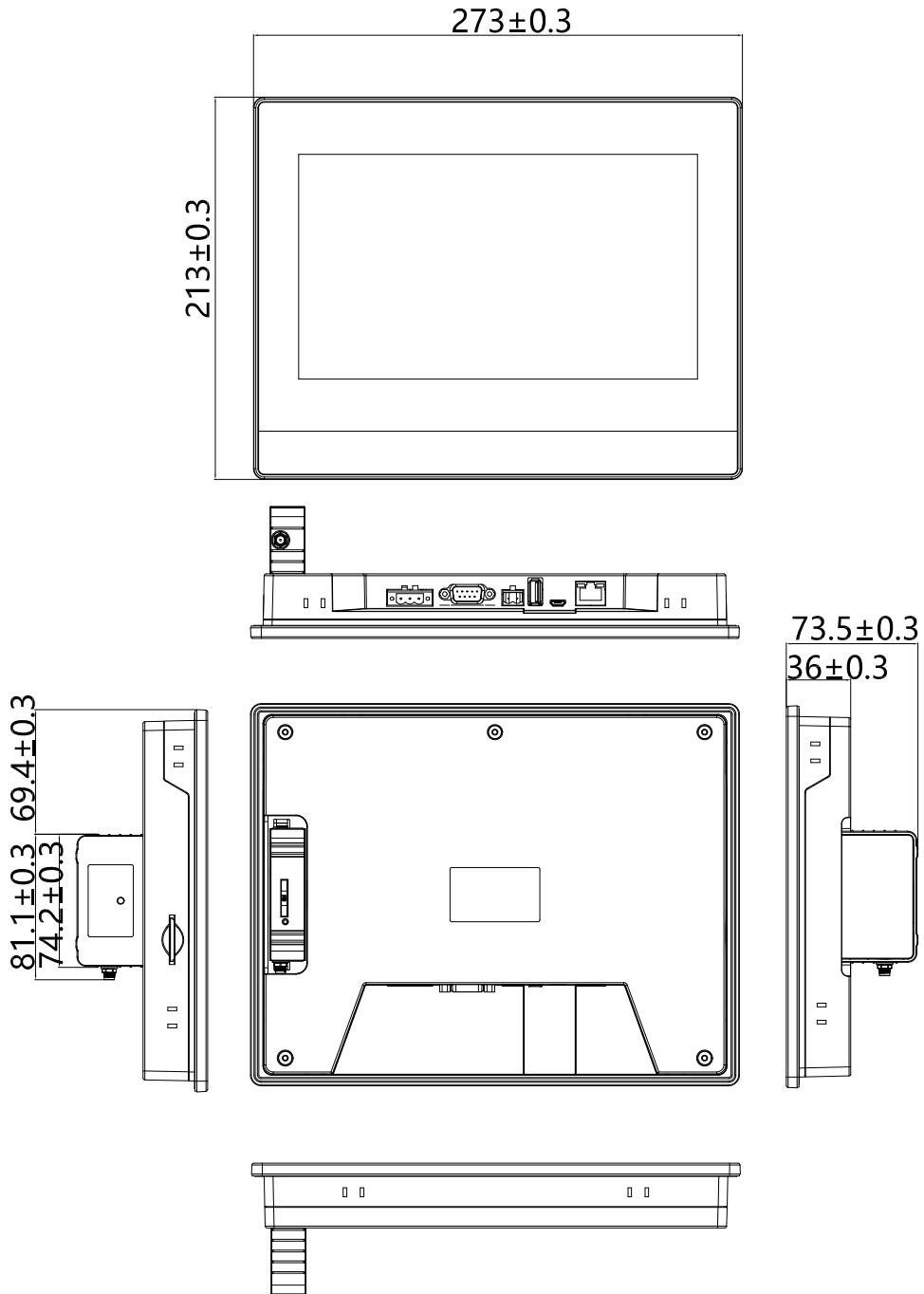
Wiring definition

Power terminal			DB9 Serial port			USB Host			USB Slave		
											
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



Size FE6100C+FLink



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