

FE3370C

Datasheet

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Service hotline : 4008-033-022

Website: www.flexem.com

1 Product Overview

1.1 Product introduction

The FE3370C is a high-performance human-machine interface. This device features high brightness and energy efficiency. Its industrial-grade 4-wire resistive touchscreen ensures reliable touch performance. Additionally, it supports multiple USB and serial communication interfaces, offering exceptional expansion capabilities.

The FE3370C's casing is made from engineering plastic, designed for durability and reliability. This product not only supports USB interfaces for program downloads and data storage but also is compatible with USB drives and barcode scanners, significantly enhancing operational convenience and flexibility.

1.2 Product Appearance

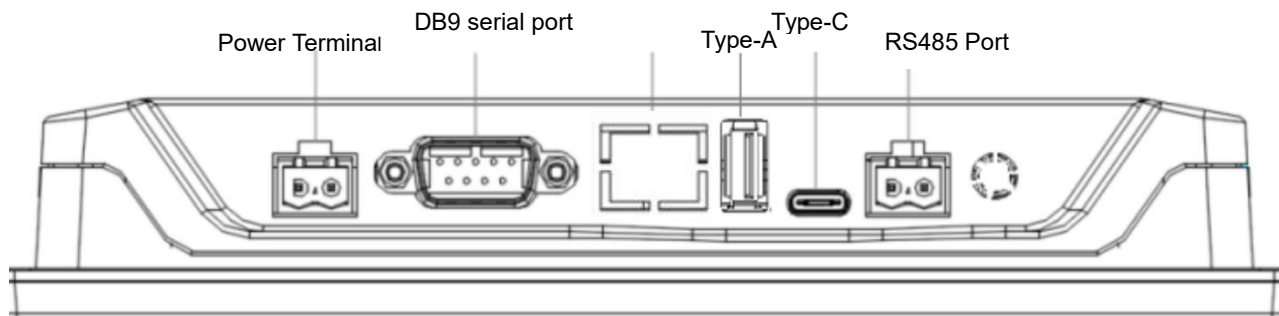


2 Specifications

Category	Item	Descripton
Hardware	Display	7" 16:9 TFT LCD
	Resolution	800×480
	Colors	16-bit
	Brightness	250cd/m ²
	Backlight	LED
	LCD Lifetime	50000 hours
	Touch Panel	4-wire industrial resistive touch panel
	CPU	Cortex-A7(main frequency is 1GHz,dual-core)
	Storage	128MB DDR3+128MB Flash
	RTC	Built-in
	Ethernet	NA
	SD Card	NA
	Bluetooth	NA
	USB Port	1*USB Type-C 2.0 OTG port;1*USB Type-A 2.0port
	Program Download Method	USB Slave/U disk
Electrical feature	Serial Port	COM1:RS232/RS485/RS422 COM2:RS485 COM3:RS232
	LCD Viewing Angles (T/B/L/R)	50° /70° /70° /70°
	Rated Power	< 10W
	Rated Voltage	DC24V,operational range:DC 9V~28V
	Power Protection	Lightning surge protection
	Power Interruption Tolerance	< 5mS

Category	Item	Descripton
	CE&RoHS	EN61000-6-2:2019 and EN61000-6-4:2019 standards certified;RoHS certified;lightning surge $\pm 1\text{kV}$;group pulse $\pm 2\text{kV}$;electrostatic contact 4kV,air discharge 8kV
Environmental requirements	Operating Temperature	0~50℃
	Storage Temperature	-20~60℃
	UV Resistance	Operating in high UV environment is prohibited(e.g.,in direct sunlight)
	Environmental Humidity	10%~90%RH(non-condensing)
	Vibration Endurance	10~25Hz(X/Y/Z direction,2G/30 minutes)
	Cooling Method	Natural air cooling
Mechanical feature	Protection Level	Front:IP65(with flush panel cabinet installation),Rear:IP20
	Enclosure Material	Engineering plastic
	Cutout Dimensions	190mm×136mm
	Dimensions	204mm × 145mm × 34mm ($\pm 0.5\text{mm}$)
	Weight	About 476g

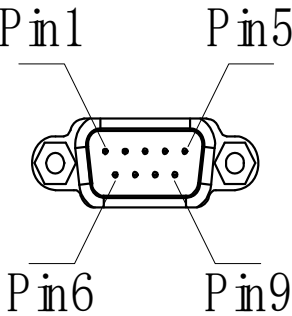
3 Wiring Definition



3.1 Power Terminal

Power Terminal (Pin 1~2 from left to right)	Pin	Description
	Pin1	0V
	Pin2	DC24V

3.2 DB9 Serial Interface

	Pin	COM1(RS485)	COM1(RS422)	COM1(RS232)	COM3(RS232)
	Pin1	Rx-(B)	Rx-(B)		
	Pin2			RxD	
	Pin3			TxD	
	Pin4		Tx-		
	Pin5	GND	GND	GND	GND
	Pin6	Rx+(A)	Rx+(A)		
	Pin7				RxD
	Pin8				TxD
	Pin9		Tx+		

3.3 RS485 Interface

RS485 (Pin1~Pin2 from left to right)	Pin	Description
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RS485 (Pin1~Pin2 from left to right)	Pin	Description
	Pin1	A+ (COM2 RS485)
	Pin2	B- (COM2 RS485)

3.4 USB Type-C 2.0 OTG Port

USB Slave port, Used for program download.

USB Host port, Used for connecting peripheral devices, such as Flash drive or bar code scanner (needs equipping Type-C and USB Type-A conversion line).



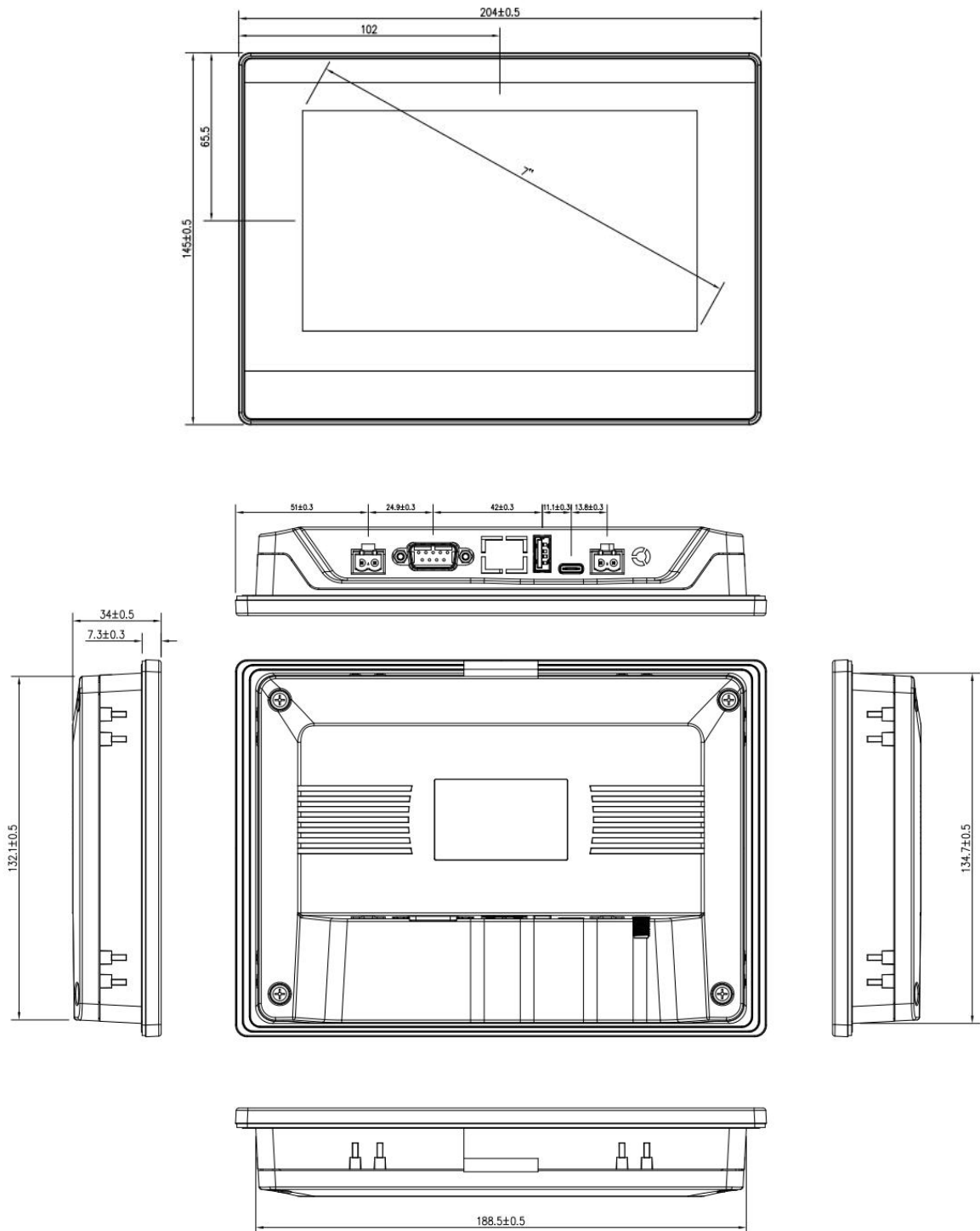
3.5 USB Type-A 2.0 Port

USB Host port, Used for connecting peripheral devices, such as Flash drive or bar code scanner.



4 Dimension

Unit: mm



Flush-mounted installation cutout dimensions: $190 \times 136 (+1.5 \text{ mm} / -0.0 \text{ mm})$