

FE3370WE

(Datasheet)

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1 Product Overview

1.1 Product introduction

- ◆ Plastic casing, strong adaptability and high reliability
- ◆ High resolution, high brightness, LED backlight, more energy-efficient and environmentally friendly
- ◆ USB host port supports data storage and download of USB flash drives
- ◆ 3 serial ports, 1 network port, stronger expandability
- ◆ Brand-new configuration software, rich graphic library, powerful functions

1.2 Product Appearance

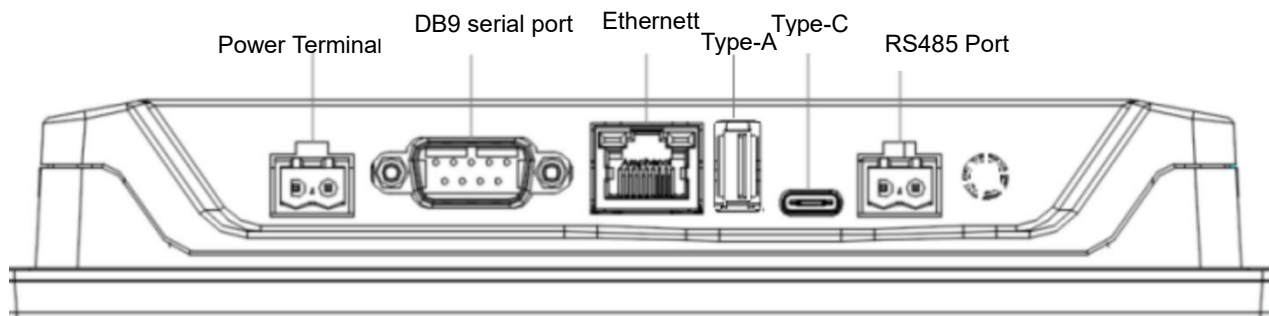


2 Specifications

category	Item	Descripton
Hardware	Display	7" 16:9 TFT LCD
	Resolution	1024×600
	Colors	24-bit
	Brightness	250 cd/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	1* 10M/100M self-adaptive RJ45 port
	SD Card	NA
	Bluetooth	NA
	USB Port	1*Type-C 2.0 OTG port;1*USB Type-A 2.0port
	Program Download Method	USB Slave/U disk/Ethernet
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
	CE&RoHS	EN61000-6-2:2019 and EN61000-6-4:2019 standards

category	Item	Descripton
		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	$0\sim 50^{\circ}\text{C}$
	Storage Temperature	$-20\sim 60^{\circ}\text{C}$
	UV Resistance	Operating in high UV environment is prohibited(e.g.,in direct sunlight)
	Environmental Humidity	$10\%\sim 90\%\text{RH}$ (non-condensing)
	Vibration Endurance	$10\sim 25\text{Hz}$ (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	$190\text{mm}\times 136\text{mm}$
	Dimensions	$204\text{mm}\times 145\text{mm}\times 34\text{mm}$ ($\pm 0.5\text{mm}$)
	Weight	About 476g

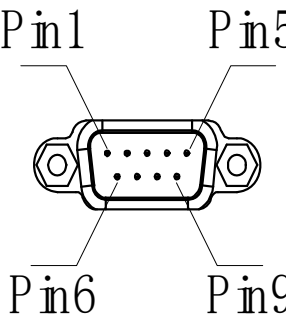
3 Wiring Definition



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
	Pin1	A+ (COM2 RS485)

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

3.1 Ethernet Port

RJ45 port for Ethernet communication with the controller or server.



3.2 USB Type-C 2.0 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).



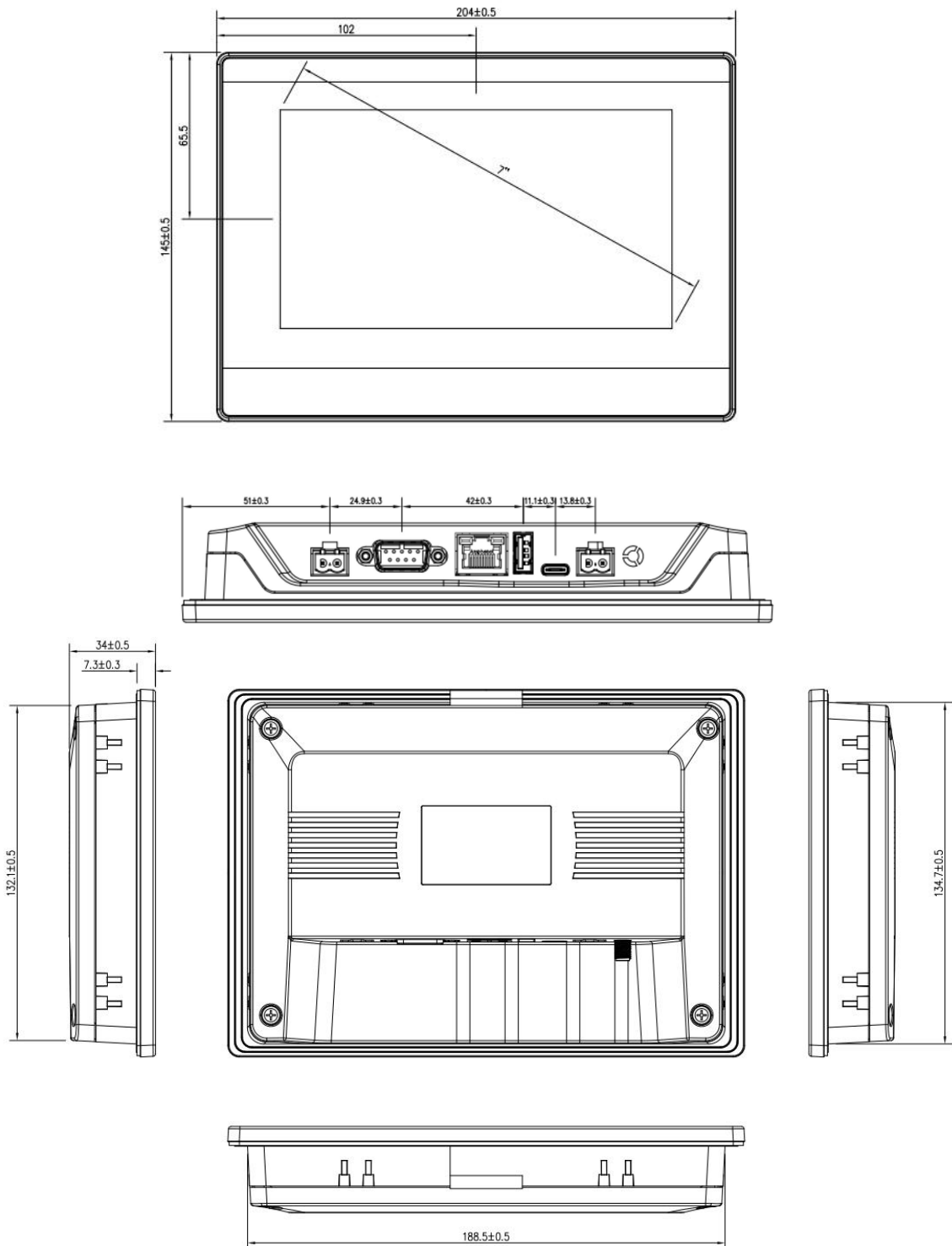
3.3 USB Type-A 2.0 Port

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: $190 \times 136 (+1.5\text{mm}/-0.0\text{mm})$