

F010

(Datasheet)

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(Service hotline) : 4008-033-022

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5 Product Overview

5.1 Product introduction

- ◆ Innovative embedded release and locking clip for convenient installation
- ◆ The upgrade adopts a 3-pin structure power terminal for convenient installation
- ◆ 4-way serial port with Ethernet port, more powerful expansion capability
- ◆ Three-proof paint treatment for main board, which can adapt to various harsh environments

5.2 Product Appearance

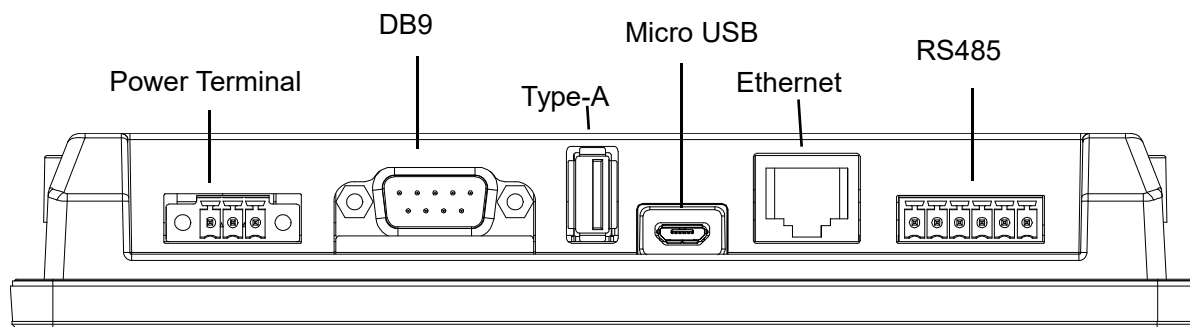


6 Specifications

Category	Item	Description
Hardware	Display	9.7" 4:3 TFT LCD
	Resolution	1024×600
	Colors	16-bit
	Brightness	350 cd/m ²
	Backlight	LED
	LCD Lifetime	50000 hours
	Touch Panel	Glass+Glass Projection multi-point capacitive touch screen
	CPU	Cortex-A7(main frequency is 1GHz,dual-core)
	Storage	256MB DDR3+4GB eMMC
	RTC	Built-in
	Ethernet	1* 10M/100M self-adaptive RJ45 port
	SD Card	NA
	Bluetooth	NA
	USB Port	1*Micro USB port;1*USB Type-A 2.0 port
	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)	85° /85° /85° /85°
	Rated Power	<8W
	Rated Voltage	DC24V,operational range:DC 9V~28V
	Power Protection	Lightning surge protection

Category	Item	Description
	Power Interruption Tolerance	<3ms
	CE&RoHS	IEC61000-6-2:2019 and IEC 61000-6-2:2019 standards certified; RoHS certified;lightning surge±1kV; group pulse±2kV;electrostatic contact 4kV,air discharge 8kV
Environmental requirement	Operating Temperature	-10~60℃
	Storage Temperature	-20~70℃
	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	ZINC+ engineering plastics
	Cutout Dimensions	230mm×180mm
	Dimensions	247mm×197mm×31.5mm
	Weight	About 1150g

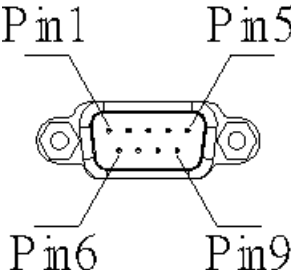
7 Wiring Definition



7.1 Power Terminal

Power Terminal(Pin 1~3 from left to right)	Pin	Description
	Pin1	FG
	Pin2	0V
	Pin3	DC 24V

7.2 DB9 Serial Port

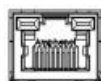
	Pin	COM1(RS485)	COM1(RS422)	COM1(RS232)	COM3(RS232)
	Pin1	B-	Rx-		
	Pin2			RxD	
	Pin3			TxD	
	Pin4		Tx-		
	Pin5			GND	GND
	Pin6	A+	Rx+		
	Pin7				RxD
	Pin8				TxD
	Pin9		Tx+		

7.3 RS485 Serial Port

RS485 Terminals (Pin 1~2 from left to right)	Pin	Description
	Pin1	A+ (COM2 RS485+)
	Pin2	B-(COM2 RS485-)
	Pin3	GND
	Pin4	A+ (COM4 RS485+)
	Pin5	B-(COM4 RS485-)
	Pin6	GND

7.4 Ethernet Port

RJ45 port for Ethernet communication with the controller or server.



7.5 Micro USBPort

USB Slave port, Used for program download.

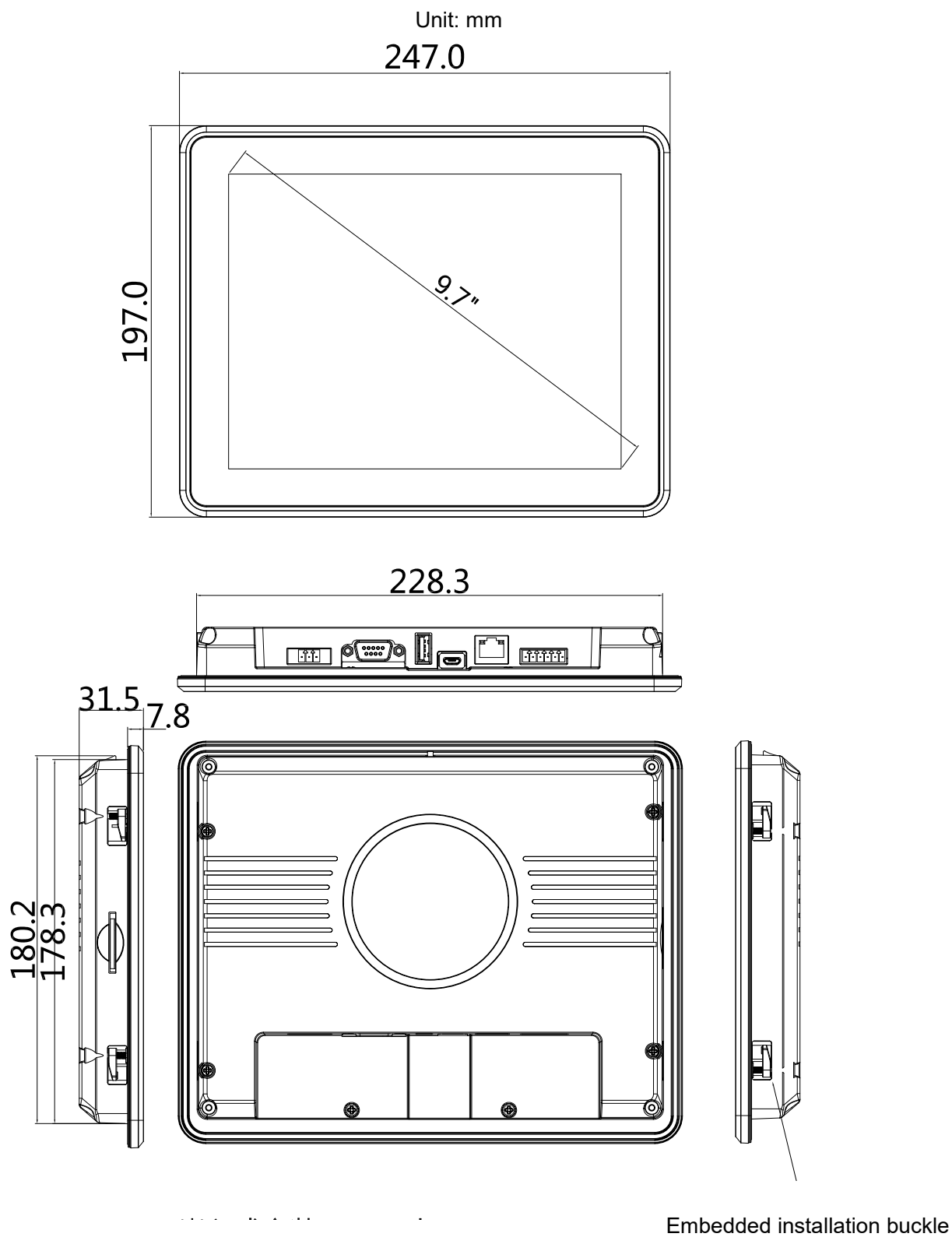


7.6 USB Type-A 2.0 Port

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



8 Dimension



Embedded installation hole ize: 230mm×180mm