

## Module: HT2604

### Overview

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- Plastic enclosure, low cost, high reliability.
- The main board is treated with a special coating (three anti-paint) to adapt to harsh environment.
- High resolution, high brightness, LED backlight, more energy saving and environmental protection.
- The USB host port supports U disk to storage and download data.
- 2-way serial port, more powerful expansion function.
- New configuration software, rich library, powerful features.

### Appearance


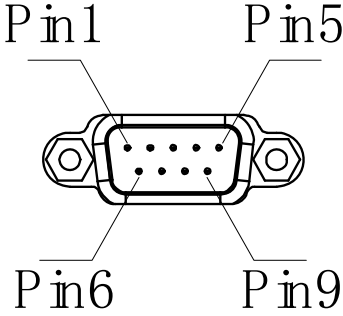
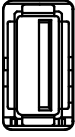

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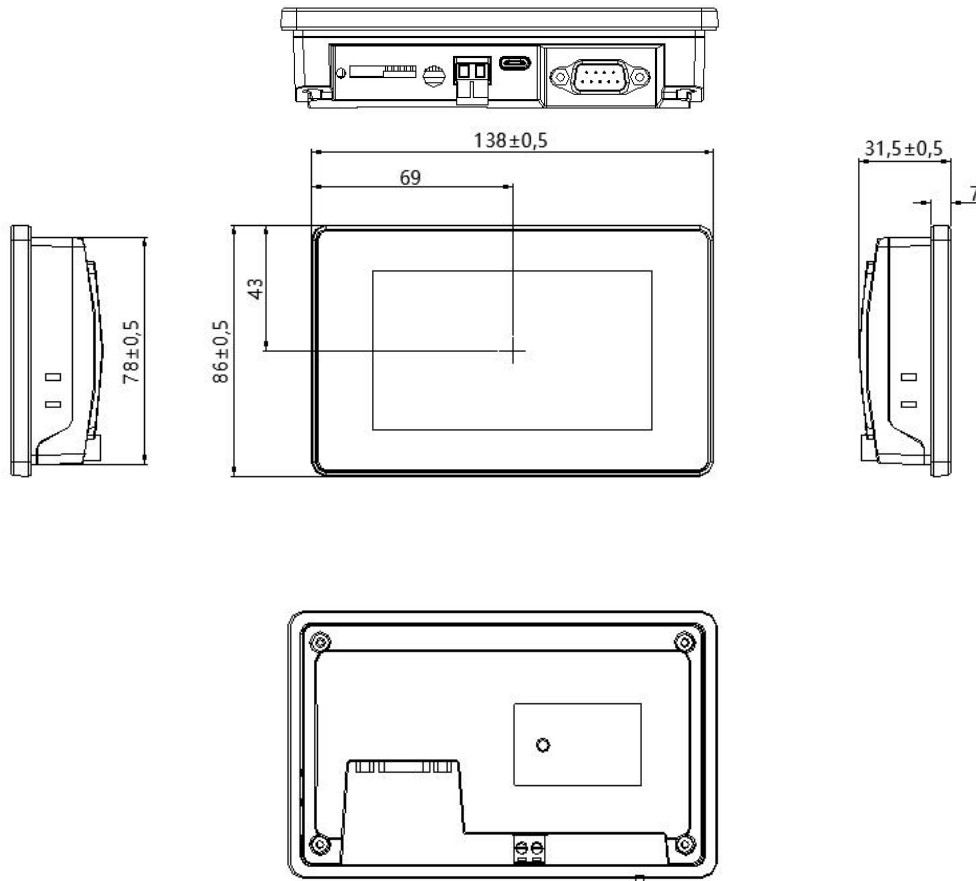
## Specifications

Hardware Parameter	Display	4.3" 16:9 TFT LCD
	Resolution(WxH)	800×480
	Colors	16-bit
	Brightness	250 cd/m <sup>2</sup>
	Backlight	LED
	LCD Life	50000 hours
	Touch Panel	4 wires resistive touch screen(Surface hardness 4H)
	CPU	720MHz ARM
	Memory	64M DDR2+4G Byte EMMC
	SD Card	None
	Ethernet	None
	USB Port	1 Type-C OTG Connection
	Download Project	USB Slave Port/U-disk
	COM Port	COM1: RS232/RS485/RS422; COM3: RS232
LCD viewing angle (T/B/L/R)	80'/80'/80'/80'/	
Electrical Specifications	Power Consumption	< 2.5W
	Input Power	DC24V, Working range DC 9V~28V
	Power Protection	Protected from thunder strike 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	0~50C
	Storage Temperature	-20~60C
	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	ABS
	Panel Cutout	132mm×80mm
	Dimension	138mm×86mm×32mm
	Weight	About 300g

## Wiring definition

Power Terminal (Pin1~Pin3 from left to right)		
	Pin1	FG
	Pin2	0V
	Pin3	DC24V
DB9 Serial Terminal (Pin1~Pin9 from left to right)		
	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(It needs type C and USB Type A conversion line)
USB Slave		
	USB Type C	Slave port function: used to download programs and debug Main port function:used to connect U disk, scan code gun and other peripherals(It needs type C and USB Type A conversion line)

## Dimension



Embedded Installation Size: 132\*80mm