



7 Inch Android Industrial Panel PC TK-RTU



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Klop**
Indonesia

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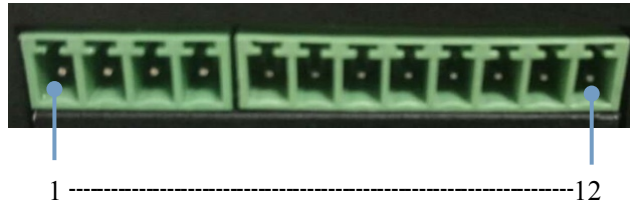
1.Parameters

Product model	TK-RTU
Basic parameters	● CPU: Quad-core Cortex®-A9 architecture ; Frequency 1.4GHz ● Memory: 1GB DDR3 ● Flash: 8GB NandFlash
Display screen	● Size: 7 inch ● Resolution: 1024×600 ● Wide-temperature type, 16000k colors or 24-bit true colors ● LED backlight: lifetime > 25000 hours
Touch screen	Capacitance/Resistance touch screen
Hardware interface	● 1 channel DB9 interface (COM1) (Isolation as optional) . ● 1 channel 3-wire RS-232 serial port (COM2) (Isolation as optional) . ● 1 channel RS-485 interface (COM3) (Isolation as optional) . ● 1 channel isolated CAN bus interface (optional) . ● 1 channel external WIFI antenna interface (optional) . ● 1 channel USB Device interface , support ADB connect to PC to exchange date and debug application . ● 2 channel USB Host interface, support usual USB device such as mouse, keyboard, U disk ,etc. ● 1 channel 100M Ethernet interface. ● 1 channel SD/MMC slot,support TF card. ● 1 channel audio output interface . ● 1 channel built-in speaker interface (optional) . ● 1 channel external speaker interface, power 8 Ω1.7 W or 4 Ω 3 W (optional). ● 1 channel 4G communication card interface . ● 1 channel DC 12V~24V power input . ● Built-in 4G Module ,WIFI , Bluetooth (optional) .
Attention	When the serial port is connected, The GND wire of the two devices must be connected to avoid burning the serial chip and affecting communication.
OS	Android 4.4.2 /Android 5.1
Defend degree	IP65 (front panel)
Working environment	● power: DC 12V-24V (24V as recommendation) ● working temperature: -10~60℃ ● storage temperature: -20~80℃ ● working humidity: 10~90%RH
Size	● shell structure: plastic ● panel size: 202.1×144.1 (mm) ● trepanning size: 192.1×134.1 (mm)
Application area	● industrial control , detection device , instruments and meters , security monitoring , medical apparatus and instruments, intelligent terminals embedded high-end application. ● Support CAN bus network deployment.
Software support	● Support Eclipse 、 Android Studio 、 QT Creator 、 Visual Studio 2015/2017 development, support JAVA/C/C++/C# ,etc .

- Easy change the user-defined splash screen.

2. Interface definition





Pic 2

1. External speaker interface R+	2. External speaker interface R-
3. External speaker interface L+	4. External speaker interface L-
5. GND	6. CANL
7. CANH	8. COM3-485B
9. COM3-485A	10. GND
11. COM2-RX of RS-232	12. COM2-TX of RS-232

2.1 RS-232 interface

2 channel RS-232 serial port , support the highest-level baudrate 115200bps. The corresponding interface in Android system is COM1 , COM2.

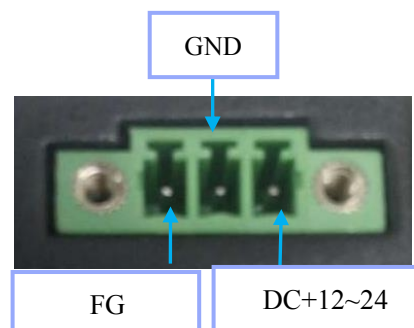
2.2 RS-485 interface

The corresponding port in Android system is COM3 .

2.3 CAN Bus interface

The function of Can-bus interface is optional. Also, without 120 ohm(Ω) terminal resistance inside , pls specify once in need .

2.4 Power interface

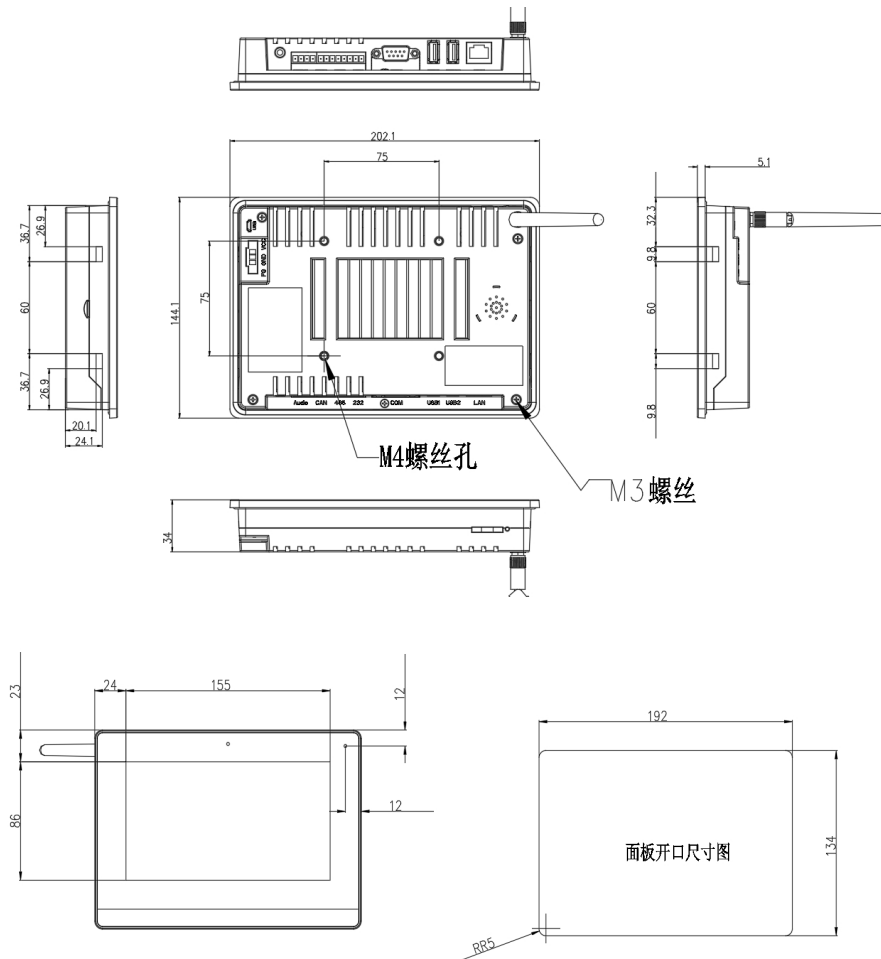


Pic 3

3. Exterior size

Exterior size: 202.1×144.1×34 (mm)

Trepanning size: 192.1×134.1 (mm)



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