Quick Guide

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H9380P Adroid IPC

智能工业计算机
Industrial Android Computer

ttyO2   WIFI   ttyO3   ttyO4   LAN

Shenzhen Hongdian Technologies Corporation provides customers with a full range of technical supports, and the users can contact headquarter of Hongdian directly.

Shenzhen Hongdian Technologies Corporation

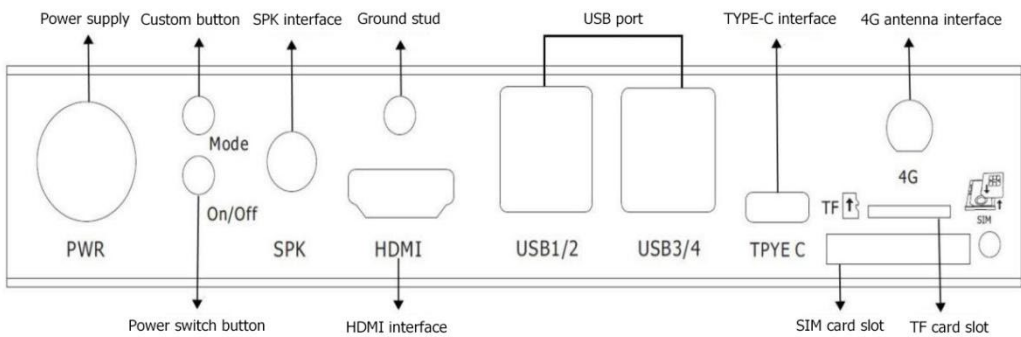|	
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1 Product Introduction

1.1 H9380P

1.1.1 Front panel

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1.1.4 Specifications

Interface	Number of interfaces	Introduction
	H9380P	
4Pin power connector	1	Used to power the device
Custom button	1	Used to return to the previous level, exit from the main APP and enter maintenance mode and other functions
Power switch button	1	Used to control device switches
Reset button	1	For device reset
Ground stud	1	For grounding
WIFI antenna interface	1	Used to enhance WIFI signals
4G antenna interface	1	For receiving signals
TYPE C interface	1	Used for data transfer between the device and the PC
SIM card slot	1	For placing a SIM card
TF card slot	1	For placing TF cards
USB port	4	Used to connect USB peripherals and upgrade
100Mb/s RJ45 LAN port	1	Used to connect network cables
HDMI interface	1	Used to connect to the HDMI display
LVDS interface (extended support)	NULL	Used to connect Signal line of LVDS display
MIC interface	NULL	For external microphone devices
SPK interface	1	For external speaker equipment
Audio port	NULL	For external microphone devices (supports three-stage audio plug)
RS232 serial port(DB9)	3	For data communication (1 multiplexing；default RS232, RS485 optional)
3pin terminal (RS485)	NULL	For data communication
Indicator light	4	Used to display the working status of the device

Indicator status table

	PWR 4G SIG WiFi/SYS	
Indicator light	description	Status
power supply PWR	Power off the device	Extinguished
	Power on the device	Constantly bright
Network light 4G	Dialing was not successful(Module not found /Module is dialing)	Extinguished
	4G/3G/2G dialing succeeded	Constantly bright
Signal light SIG	No dialing, no signal or weak signal (less than 4 cells)	Fast flashing
	Signal full (signal strong)	Constantly bright
WiFi/SYS light	System startup or system exception without self-starting APP	Extinguished
	The system is running normally,and the self-starting APP is normal.	Slow flashing(Lighted up for 0.25s,extinguished for 0.75s)
	The system is running normally, and the self-starting APP is abnormal.	Slow flashing(Lighted up for 0.25s, extinguished for 1.75s)
	The system is running normally, there is no self-starting APP	Slow flashing(Lighted up for 0.25s,extinguished for 3.75s)
	Open Wifi station mode and connect successfully	Constantly bright
	Wifi off or Wifi not connected	Extinguished

PS:The number of cells of the signal light corresponds to the signal grid in the upper right corner of the display (full grid is 4 grids).

U disk / TF card upgrade status table

During the upgrade process	All indicators except the power supply flash slowly (Lighted up for 0.25s,

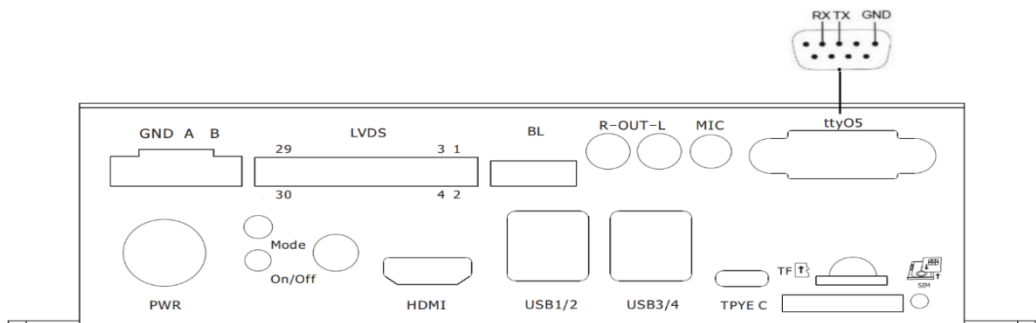|	extinguished for 1.75s)
Successful upgrade	All indicators except the power supply are always on
Failed upgrade	All indicators except the power supply flash quickly(Lighted up for 0.25s,extinguished for 0.25s)

2 Installation

2.1 Unpacking and attachment inspection

Please check the device for deformation or other damage after unpacking.If there is any discrepancy, please contact the supplier immediately.A packing list is included in the box. Please check the integrity of all accessories of the equipment according to this list.

2.2 The introduction of serial port

The serial port of the IPC device of the H9380P series is shown in the following figure.The H9380P device has three sets of RS232 interfaces with DB9 structure (the wiring mode is the same as the tty05 interface in the figure below).

3 Use of device

3.1 Installation check

- Is the SIM card and TF card plugged in tightly.
- Whether the serial port and network port on the panel are tight.
- Check if the 3G/4G antenna and WIFI antenna on the panel are loose.
- Check if the audio and video connectors are loosely connected.
- Check if the connection of each USB peripheral is loose.

3.2 Powering on and off the device

- Use the power adapter specified by the device (standard 12V/2A power adapter).
- Check the status of the indicator when the device is powered on. Refer to the indicator status table on page 05.Observe whether the display can open the self-starting APP interface normally,and you can open it to start normal operation.
- When the device is in maintenance,you need to power off the device when the device is powered on to prevent damage to the SIM card,TF card,and peripherals.

4 Use of device

4.1 Power-on operation

Powering on the device and the power indicator (PWR) is steady on,indicating that the device is powered on successfully.After 20-30 seconds,the system/self-starting APP indicator (SYS/APP) lights up every 4 seconds,indicating that the device is operating normally.

4.2 Audio video service

According to the business needs to connect HDMI or LVDS display, you can use one screen or two screens to display the output separately or simultaneously.The output can be displayed normally,indicating that the audio and video services are normal.

PS:If you need to use a customized touch screen,you need to provide the touch screen driver, or PID,VID number to our company.After writing to the system, we can use the touch screen normally.

4.3 Self-starting APP business

By configuring an APP as a monitoring APP in the Settings-Auxiliary Function-Primary and Secondary APP,it is set as a self-starting primary APP or secondary APP.When the device is powered on,the device will actively set the main APP as a self-starting APP,which will be automatically started on the display,displayed at the forefront,and the secondary APP will run in the background.The self-starting APP can be displayed normally, that is,the self-starting APP service is normal.When you need to debug the device,you can press the custom button to return to the desktop for debugging.After five minutes,the self-starting app will be pulled up again.

4.4 Serial peripheral

If you need to use serial interface peripherals (such as QR code scanning head, printer,motor driver board),you need to match the serial port node name of each serial port peripheral with the serial port node name of our serial port to communicate normally.

4.5 USB peripheral

If you need to use a general-purpose USB peripheral such as a mouse and keyboard,you can plug and playif;you need to use special USB peripherals (such as USB printer,ID card),you need to provide USB driver, or PID,VID number for us, it can be used normally after writing to the system.

5 Daily maintenance

- Keep the equipment ventilated and dry. Do not stack other objects at will, keep the equipment away from heat, dust and strong magnetic fields.
- Make sure that the equipment is not wet or damaged when in the field or in an open field.
- To ensure the insulation of the device from the contact, the user must not touch live objects to the device.
- Do not replace any modules and components on the device while the device is powered.
- Do not open or disassemble the equipment without the guidance of our professional staff.

Connecting Things

Contact US

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