

Industrial Tablet User Manual

HMI080 Specifications



Name: Industrial Tablet PC

Model: HMI080

Size: 8 inch

CPU:RK3288W 1.8GHz Quadcore Cortex-A17

GPU : Mali-T764 GPU

Internal Memory: 2GByte DDR3

Storage: 16G eMMC (MLC)

Communication: RJ45 WIFI RS485 RS232

OS: Android7.1.2

Case Material: PC+ABS

Operating Temperature: -10°C ~ 60°C

Operating Voltage: DC12V/2A



Resolution:	1280*800
Contrast Ratio:	800
Backlight Brightness:	300
Backlight Type:	LED
Backlight Life:	20000 hours
Screen Ratio:	16:10
Viewing Angle:	160°
Touch Screen:	Capacitive Touch
Sound:	Built-in speakers (external), headphone jack output
Wireless:	WIFI
Wired Network:	Gigabit RJ45
Mobile network:	4G optional
Serial communication:	1xRS485 2xRS232
USB Interface:	1xUSB Host, 1xUSB OTG
Mounting:	Snap-in, VESA hole 75x75mm



Interface definition	
No.	definition
1	Power
2	+12
3	GND
4	RS485-B
5	RS485-A
6	GND
7	RS232-RXD3

	8	RS232-TXD3
	9	GND
	10	RS232-RXD1
	11	RS232-TXD1

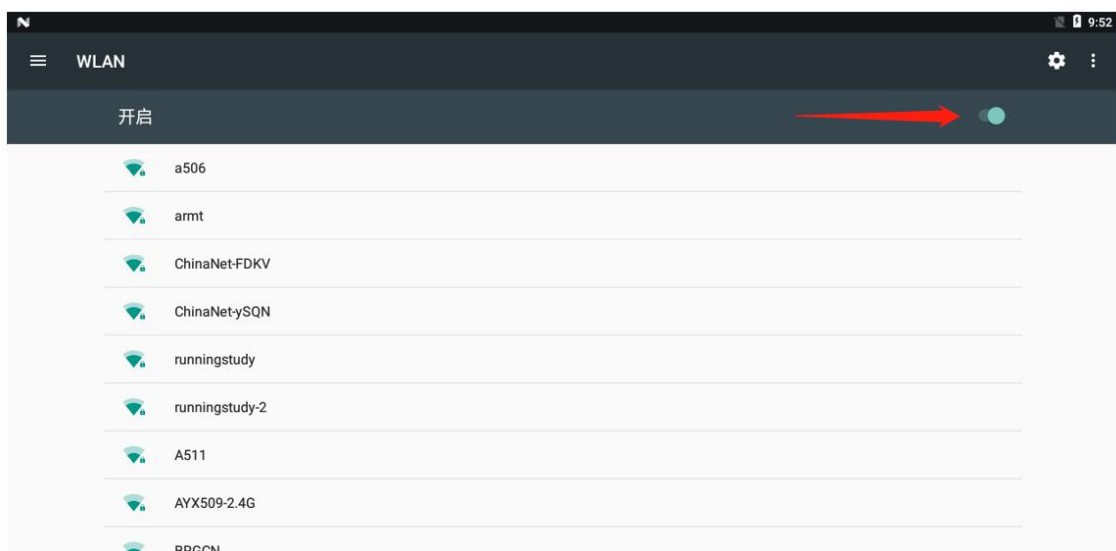
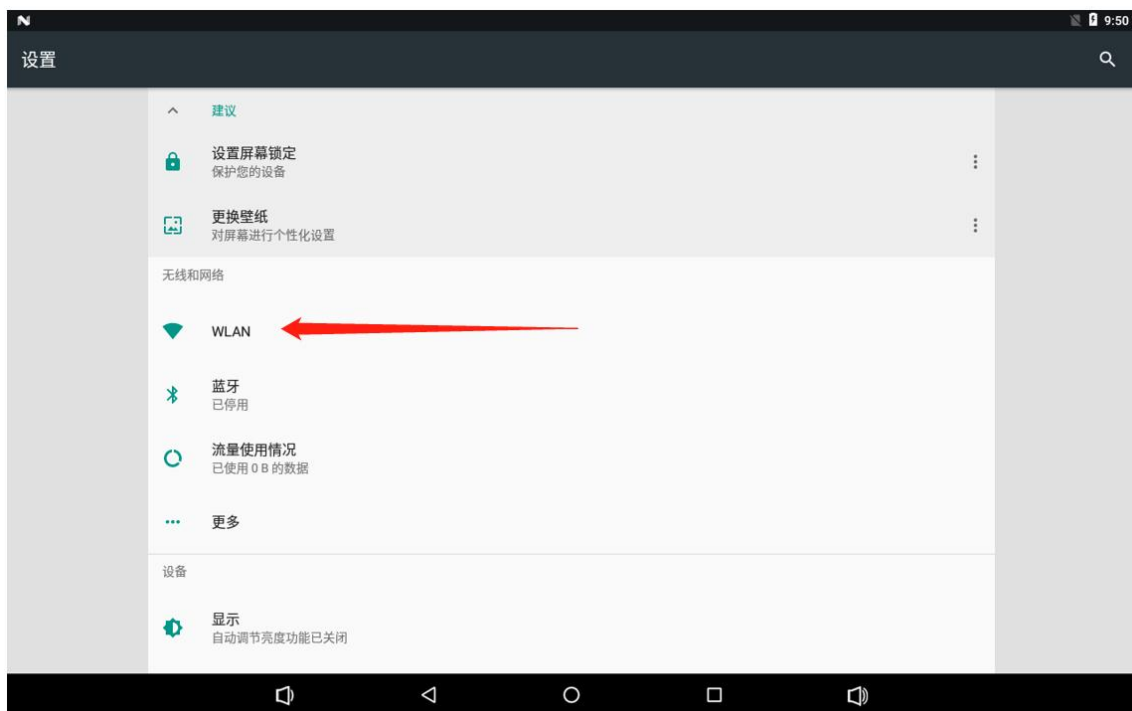
HMI080 Hardware options

No.	Functions	Default	Option	remark
1	Storage	16GB	32GB	
2	WIFI	2.4G	2.4G+5.8G	
3	4G	N/A	optional	
4	CAN	N/A	N/A	Support 4G+GPS
5	RS485	x1		
6	RS232	x2		Automatic directional control
7	antenna(WIFI,4G)	inside	outside	
8	speaker	inside	outside	
9	PoE	N/A	optional	Support 10W max

Network Setup

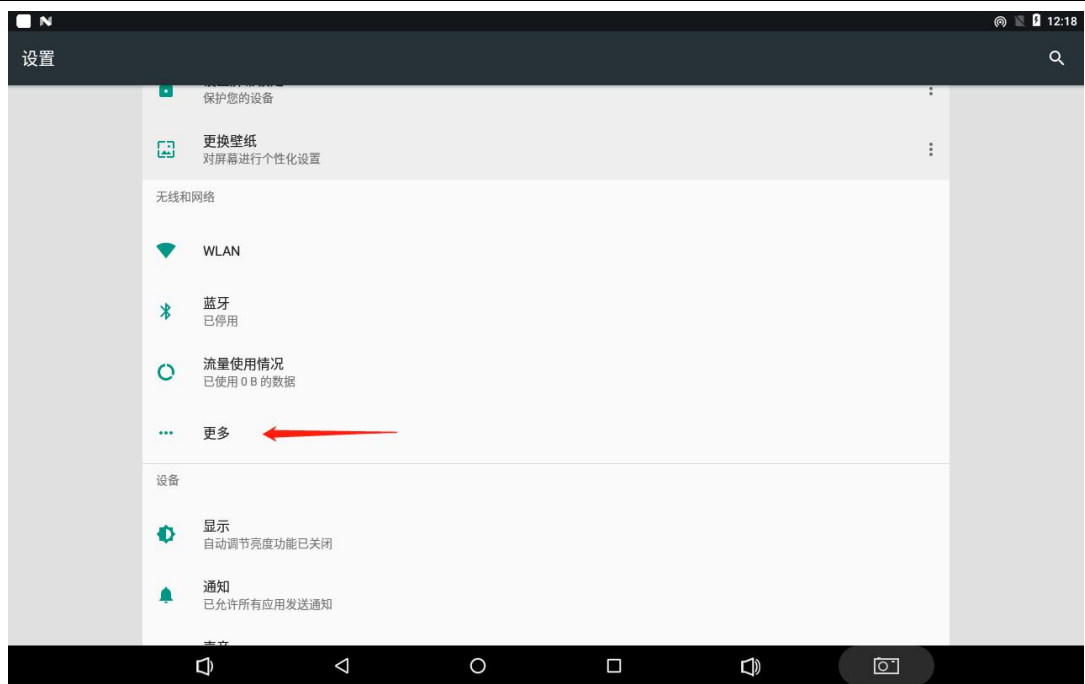
WIFI setup

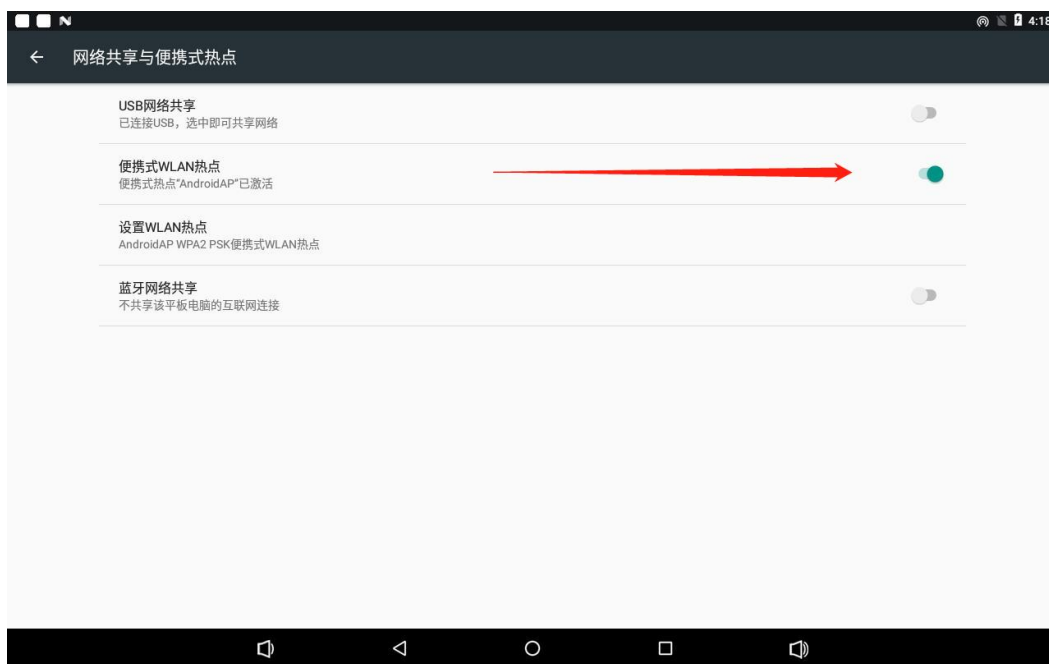
Enter the system settings interface, select the WLAN option, turn on WIFI, and then wait for the device to search for WIFI hotspots, select the hotspot you want to connect to, and enter the correct password to connect. The operation flow chart is as below:



WIFI Hotspot setting

Select "Network Sharing and Portable Hotspot" in the "Wireless and Networking" screen of the System Settings screen for more settings.

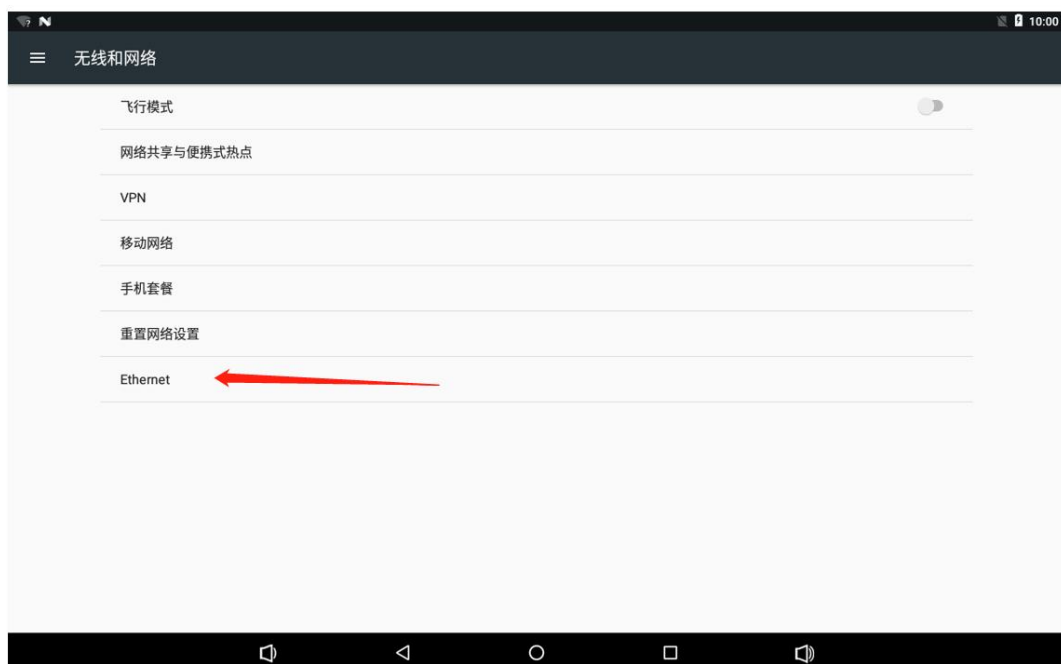


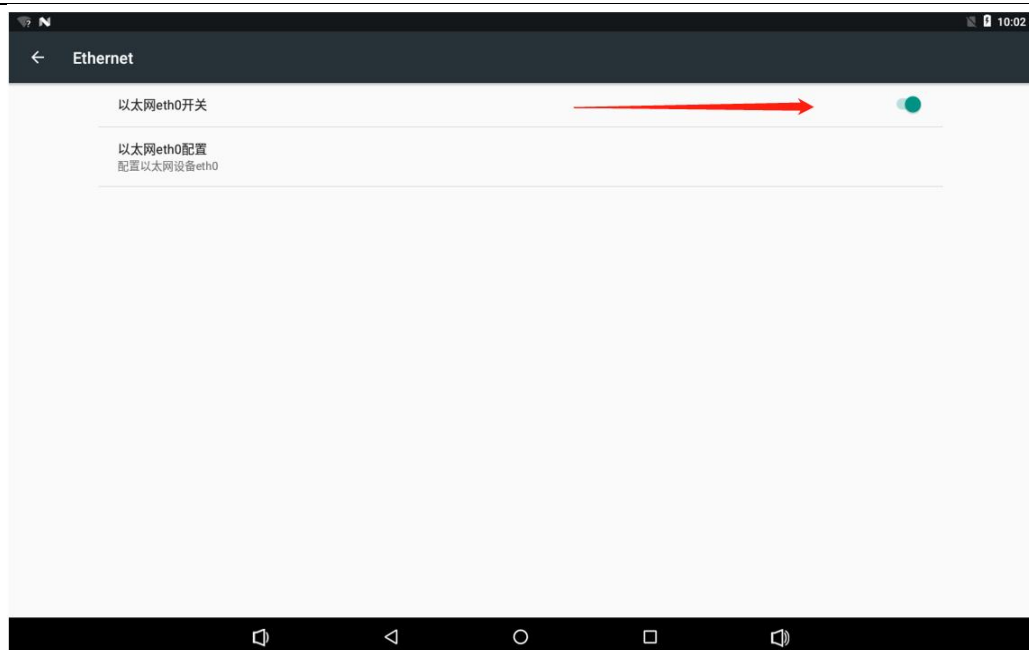


Set the hotspot name and password in the "WLAN Hotspot" option.

Ethernet Settings

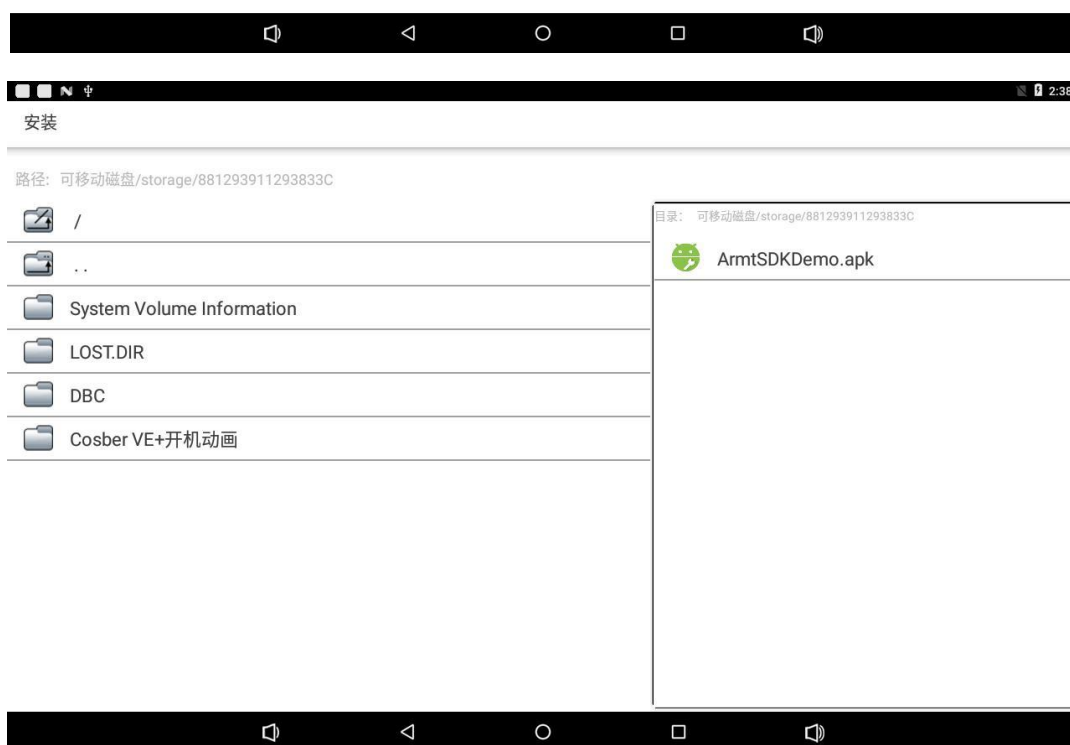
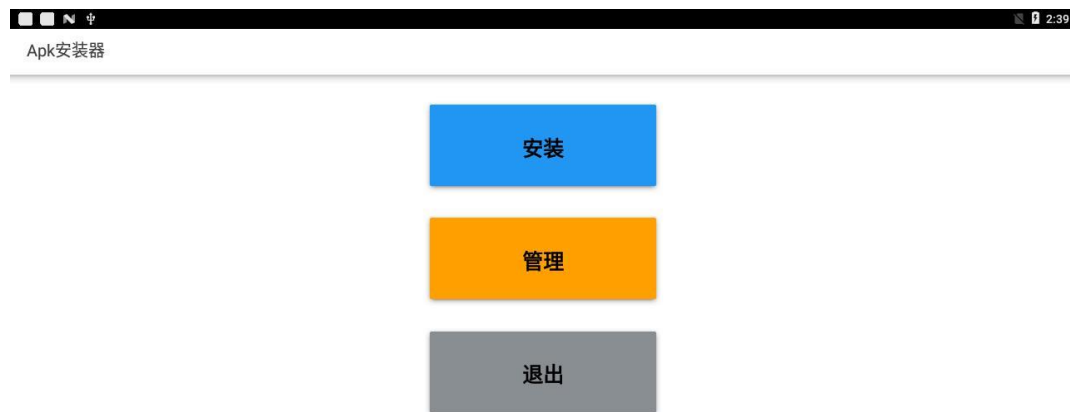
Please open the setting, go to Setup->More->Ethernet to configure Ethernet, the default Ethernet is to get IP automatically, if you need to set static IP, you can click Ethernet Eth0 to configure it. The specific flow chart is as follows:





Application Installation

Copy the APK to a USB flash drive, insert it into the USB HOST port of the industrial tablet, and open the built-in Apk installer of the industrial tablet.



Find the APK you want to install and click to install it.

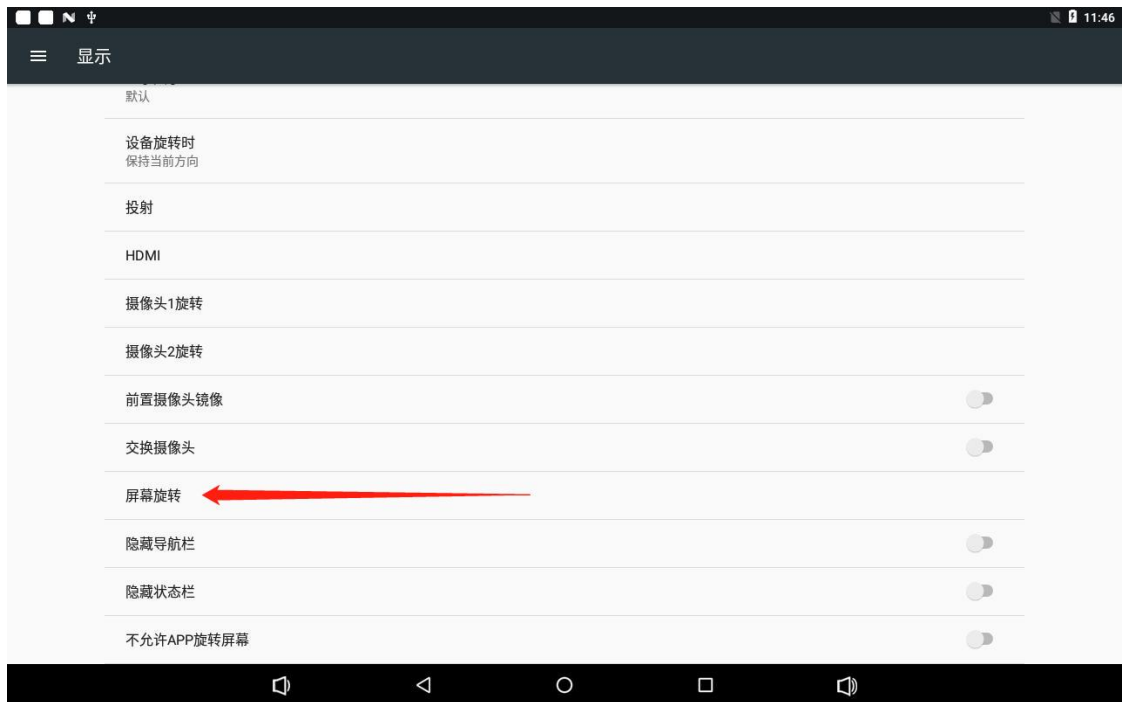
The management of the Apk installer allows you to uninstall installed APKs.



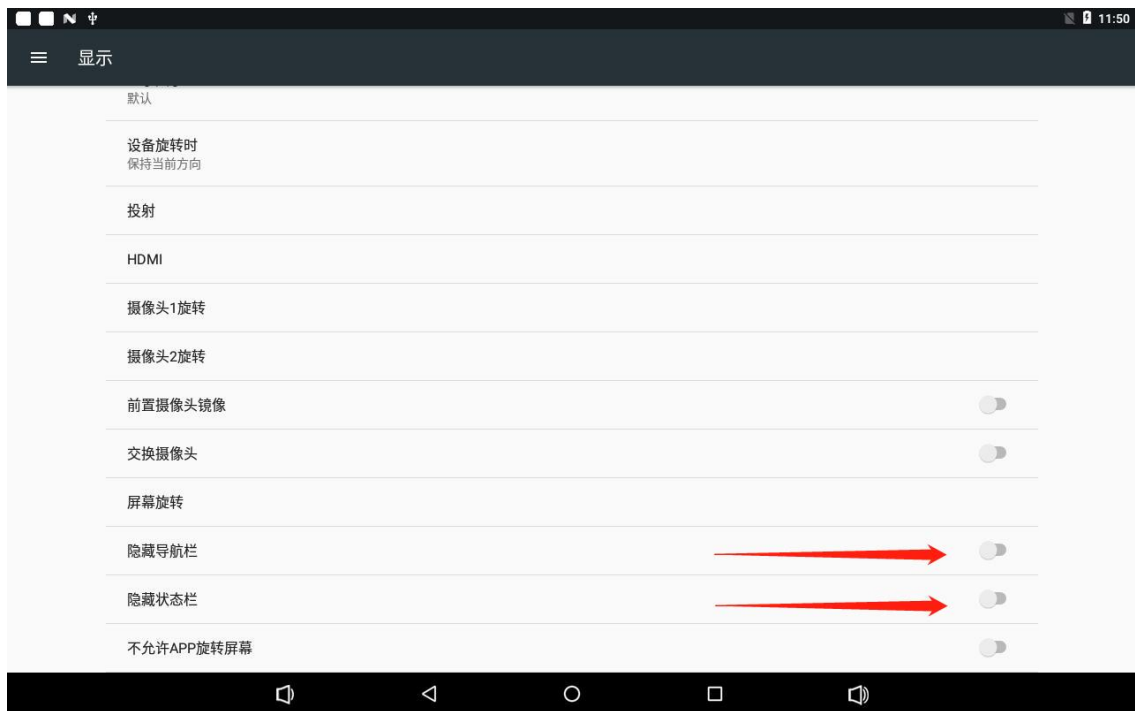
System Extension Settings

1、Screen Rotation Setting

Set screen rotation in System Settings/Display/Screen Rotation. If you want to lock the screen to prevent the system from responding to the app's rotation request, you can check the "Do not allow app to rotate the screen" option.

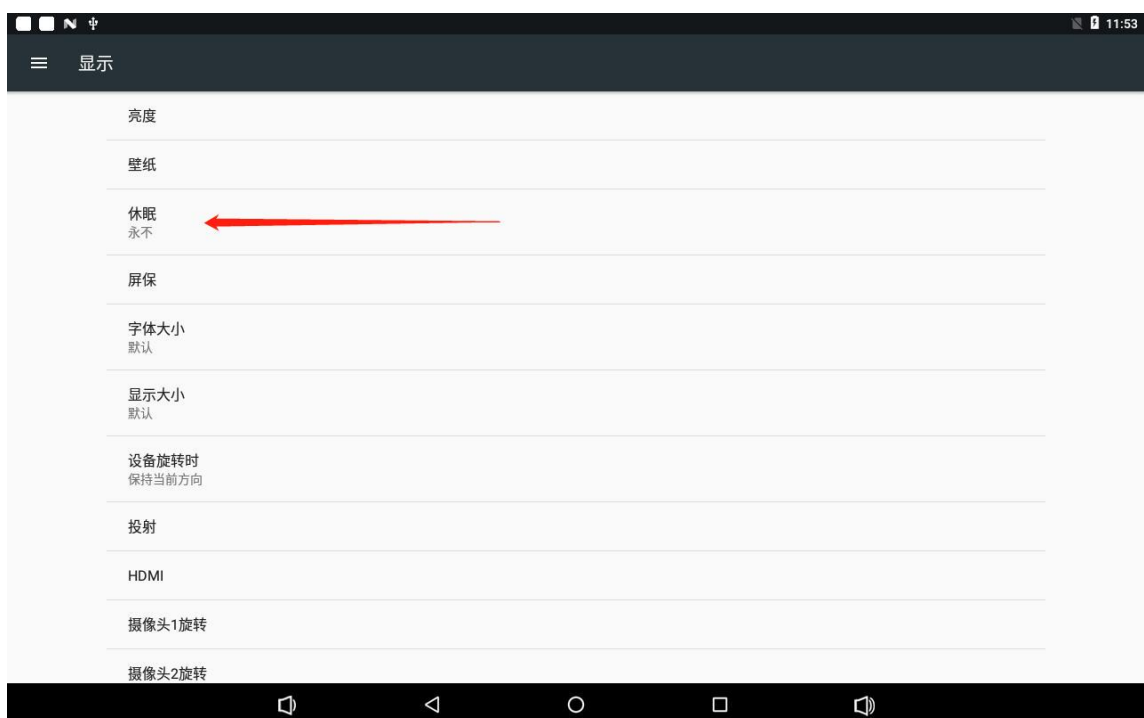


2、Hide toolbars, message boards



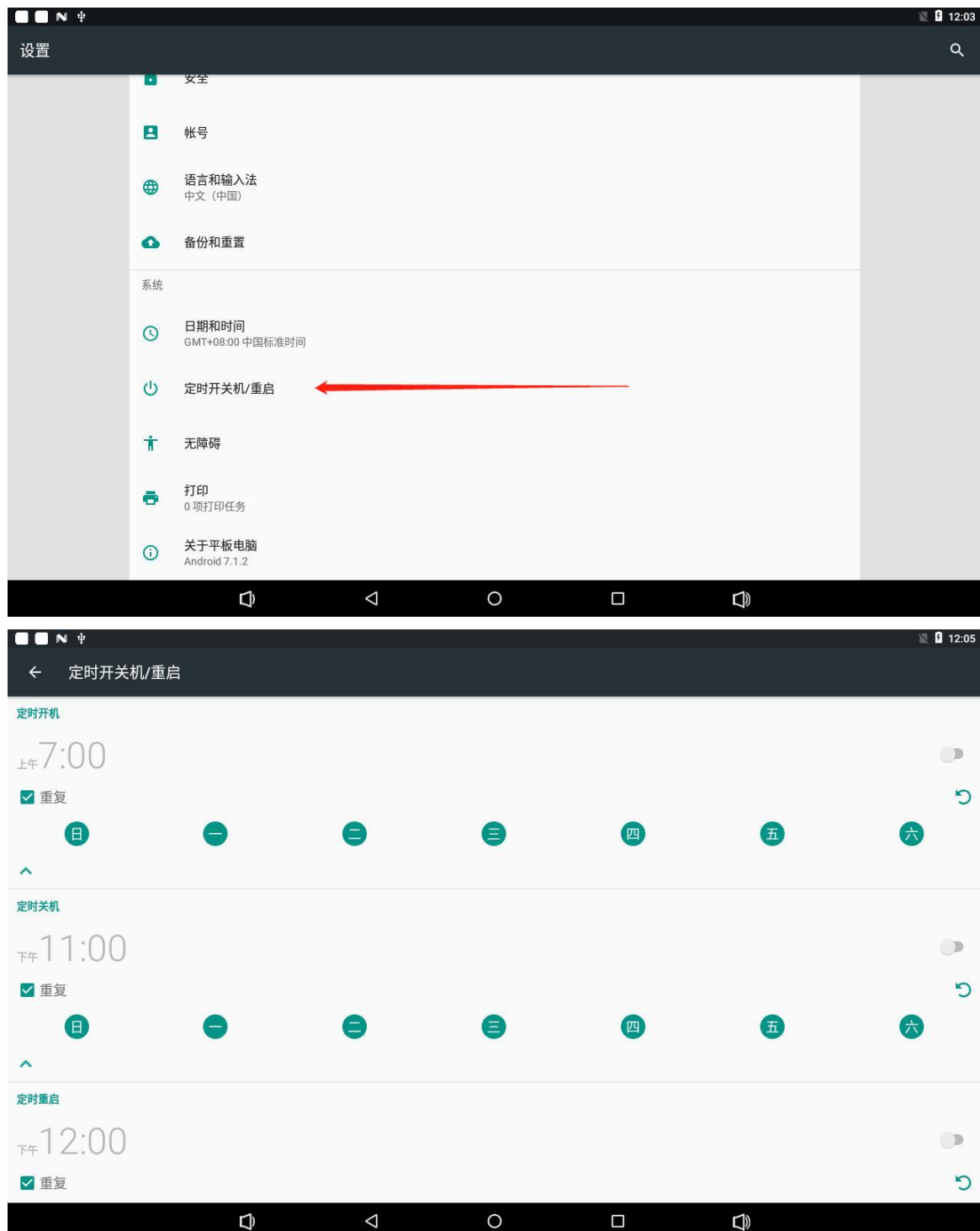
3、Setting the backlight to turn off automatically

Set the hibernation time in System Settings/Display/Hibernation, the system will turn off the display automatically after the timeout, and turn on the display automatically after tapping the touch screen again.



4、Setting up timed power on/off and timed reboot

HMI080 industrial tablet comes with timed power on, timed power off, timed reboot function, which can be set according to the actual needs. It is recommended to do the timer restart setting, timer restart can enhance the stability of the system.



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction