



Industrial PC

# HPC-MT6762-057



PN: HPC-MT6762-057

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# HPC-MT6762-057



Front View



Rear View



Side View 1



Side View 2

## Overview

The HPC-MT6762-057 is a 5.7 inch rugged handheld industrial tablet PC, it adopts Android 11 operating system, a capacitive touch screen, suitable for use in harsh environments such as logistics, transportation, warehousing, retail and other fields. It has a powerful octa(8)-core MediaTek MT6762 CPU inside, with up to 2.0GHz CPU speed. It has 4GB RAM and 64GB storage by default.

## Standard Accessories

- 1 x Charger.

- 1 x USB cable.



# Hardware Specification

<b>CPU</b>	Helio P22, MediaTek MT6762, Octa(8)-Core 2.0GHz, 4 x Cortex-A53 @ 1.5 GHz + 4 x Cortex-A53 @ 2.0 GHz
<b>GPU</b>	PowerVR GE8320
<b>RAM/Storage</b>	4GB+64GB
<b>Display</b>	5.7-inch(diagonal), 720x1440, 350 NIT, TFT
<b>Touch</b>	Capacitive, 10-point Multi Touch; Works with gloves and wet hands
<b>Camera</b>	13MP Main Rear Camera, 2MP Front Camera, 1000mA Flashlight, Autofocus
<b>Audio</b>	Internal Loudspeaker
<b>Microphone</b>	Noise Reduction Microphone
<b>USB</b>	1 x USB2.0 Type-C port, support for headphone, OTG
<b>Charging</b>	USB Type-C, 9V/2A
<b>Battery</b>	3.85V, 4500mAh, Removable Li-ion Polymer Battery
<b>Buttons</b>	Power Button, Volume+/- Buttons, 2 x Side Scanner Buttons
<b>TF/SIM Slot</b>	1 x SIM Slot, 1 x TF/SIM 2-in-1 Slot; Support for 1 x SIM + 1 x TF or 2 x SIM; TF card up to 128GB
<b>GSM/GPRS/EDGE</b>	B2/B3/B5/B8
<b>TD-SCDMA</b>	B34/B39
<b>WCDMA</b>	B1/B5/B8
<b>4G/LTE</b>	FDD-LTE: B1/B3/B5/B7/B8/B20; TDD-LTE: B34/B38/B39/B40/B41
<b>WiFi</b>	Support for 802.11 a/b/g/n/ac, 2.4G+5G
<b>Bluetooth</b>	BT4.0, BLE, Backwards Compatible
<b>GPS</b>	Support for GPS/BeiDou/GLONASS/Galileo/A-GPS
<b>NFC</b>	Support for 13.56MHz NFC, ISO14443A, ISO14443B, ISO15693; Distance: 0-5 cm
<b>Barcode Scanner</b>	Support for multiple scanner modules, Newland scanner by default
<b>Vibration</b>	Support for vibration motor
<b>Sensors</b>	Distance Sensor, Light Sensor, Geomagnetic Field Sensor, Gyroscope, Accelerometer
<b>OS</b>	Android 11
<b>Operating Temp.</b>	From -20°C to +60°C
<b>Storage Temp.</b>	From -40°C to +70°C
<b>Humidity</b>	0 to 95% (no condensation)
<b>Waterproof</b>	IP67

<b>CPU</b>	Helio P22, MediaTek MT6762, Octa(8)-Core 2.0GHz, 4 x Cortex-A53 @ 1.5 GHz + 4 x Cortex-A53 @ 2.0 GHz
<b>Dropping Proof</b>	Multiple times of 1.5m dropping; 500 times of 0.5m rolling, equivalent to 1000 crash tests
<b>ESD Protection</b>	Withstanding up to $\pm 8\text{kV}$ contact and $\pm 15\text{kV}$ air-gap ESD
<b>Dimensions</b>	162 x 76.2 x 13.7 mm
<b>Weight</b>	245g (incl. battery)

Table 310 Hardware Specification

## Scanner

By default, HPC-MT6762-057 is equipped with a Newland scanner. It's compatible with Zebra, Honeywell, Newland and other scanner modules, these can be customized when placing an order.

Scanner modules supports common 1D barcode and 2D barcode, such as: Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, China Post 25, ISBN/ISSN, Code93, UCC/EAN-128, GS1 Databar, HIBC PDF417, MicroPDF417, GS1 Composite, Aztec Code, Data Matrix, QR Code, Micro QR Code, MaxiCode, Hanxin Code.



## USB

The HPC-MT6762-057 has one USB-C port, it is USB2.0, supports 9V/2A charging, and it also supports headphones. You can also use it as an OTG port.



## NFC

The HPC-MT6762-057 supports a high frequency NFC by default, read and write distance is 0 ~ 5 cm, it complies with ISO14443A/14443B/15693 standards.

If you do not need the NFC module, we can remove that when placing an order.

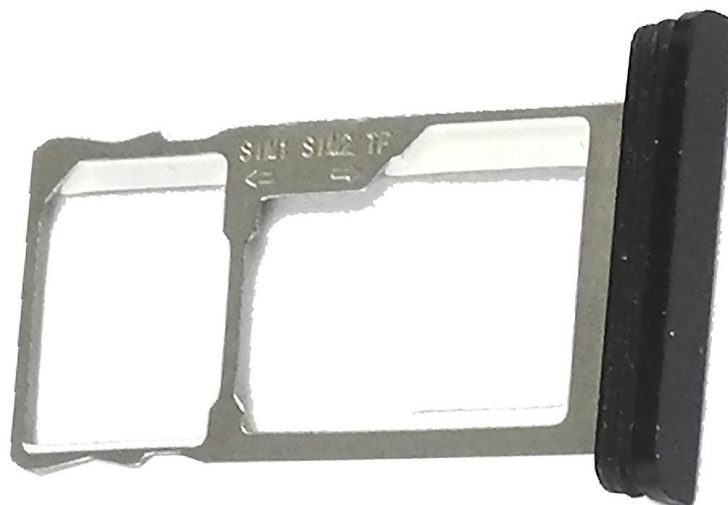
NFC can be triggered from the rear, near the battery zone, like in the image below:





## TF Card and SIM Card Slots

The HPC-MT6762-057 has a SIM slot and a 2-in-1 TF/SIM slot, you may use dual SIM *or* one SIM + one TF card.



The TF(MicroSD) card slot supports up to 128GB external storage.



## Charging

The HPC-MT6762-057 ships with a 9V/2A charger, if you wish to use a third party charger, it should support 9V/2A charging. We recommend only using the charger we provide, or only use chargers from major power supply brands. Poor quality chargers may harm the battery or destroy the device.

## Pogo Pins

The Pogo Pins in the rear do not have any definition at the moment, they do not provide any functionality, they are reserved for future hardware improvements.



## Rear Lock

When you need to remove the battery or open the rear case, there is a lock in the rear as shown in the image below. It helps seal the case when it is switched to the “lock” side, and in this case, the rear case cannot be opened.

You can switch the lock to the “unlock” side, if you need to open the rear case.



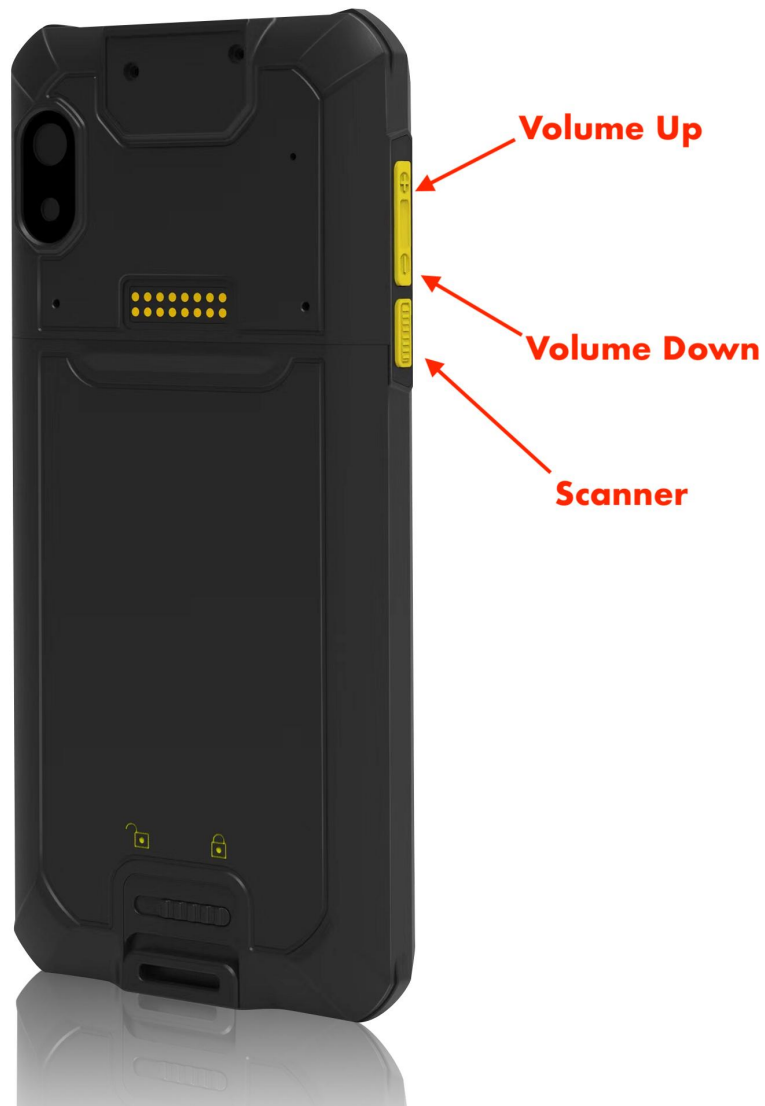


## Buttons

There are 5 buttons on the device, on the right is a power button and a scanner button.



On the left are two volume buttons and a scanner button.



## Dimension

The dimension of HPC-MT6762-057 is 162 x 76.2 x 13.7mm.

## While Using the Device

### USB

Do not short circuit the ports with metal, it might damage the circuits inside the device.

### Cleaning

Please use dry, soft cloth when cleaning. Do not use chemical solvent, or the color might fade and the case might deformate.

## Case and Panel

Volatiles might damage the case and screen, and might cause malfunction, do not pour those to the case or panel. Also do not put rubber or PVC on the device, long time contact with these materials might damage the device.

## Before Moving the Device

Unplug the power cord and cables when carrying the device. After using the device, detach the cables from the ports if there is any.

## When Not Using the Device

If the device will not be used for a long time, avoid draining the battery, maintain the battery at a proper interval. The battery performance will degrade when it's at low level for a long time, it will also take longer to charge the battery. If you find it only takes very short time to charge the battery to full, and the device lasts only a short time while you use it, please replace the old battery with a new one.

## Faults

When the device emits strange or suspicious noise, smell, or smoke, if possible, power off the device and unplug the power cable immediately, and contact us as soon as possible.

## Others

1. Fully charge the battery the first and every time you use it is recommended.
2. If an abnormality occurs in the device, please turn off the device immediately, then reboot it.
3. Avoid exposure to direct strong sunlight or heat, they might affect the internal circuit and the case.
4. Condensation might occur when environment temperature changes rapidly. In this case, wait an hour before using the device, to allow it to adapt to the new environment.
5. Strong electromagnetic fields affect the device's internal circuit, and may cause malfunctions. For example, when transmitting data between the device and a mobile phone, keep the mobile phone at least 1 meter away from the device, because phone generated electromagnetic waves may interfere with communications.



# Safety

Please take care of the following aspects when you use this device:

1. Follow the regulations when the device is used in the hospitals.
2. Keep the device and accessories out of children's reach.
3. Put the batteries in e-waste bins if the old batteries are to be recycled.
4. Do not paint the device, because paints affect the peripherals of the device.
5. Keep the device away from precision instruments.
6. Do not use harsh chemicals, harsh detergents or caustic cleaners to clean the device.  
When cleaning the device, wipe gently with normal soap water.
7. Do not store or use the device and its accessories in unsuitable high temperature, low temperature, high humidity or very dusty environments.
8. Keep the battery safe, avoid strong shakes or collisions.
9. Keep the device dry. Rain, moisture and various liquids may contain minerals that can corrode the circuits
10. Keep the device away from magnetic devices such as magnetic cards and floppy disks.  
Do not put the device, batteries and chargers in electromagnetic fields such as induction cooktops and microwave ovens.
11. Please do not put the device in a high temperature area, as high temperature may shorten the lifespan of electronic devices, damage batteries, and cause plastic parts to deform or melt.
12. Do not keep the device in a cold location because when you move the device from a low temperature location to a normal temperature location, moisture generates inside the device, it can damage the circuit boards.
13. Please use original standard batteries, chargers and other accessories. We will not be responsible if you use third party accessories.
14. Only appointed professionals are allowed to disassemble the device, do not disassemble it by yourself. If the device needs repairing, return the device to us, or contact a professional to repair.
15. Charge the battery to full capacity before it's used for the first time.
16. Take care of the UIM card, avoid scratching or bending.
17. Use the genuine accessories of the device.
18. The device has a built-in antenna, it has radiation like any other mobile devices. Do not get too close to the antenna, take care of your own safety.

19. If the wireless signal is poor, go to the coverage area to take advantage of the wireless communication features.
20. Screen performance might change due to significant temperature changes and long time usage.

## Trouble Shooting

If below **situations** occur, please follow the instructions to fix the issues. Contact a professional if none of these help.

### • Device Does Not Turn On

- a. *(Not pressing the power button correctly)* Hold the power button for at least 2 seconds.
- b. *(Insufficient power)* Charge the battery.

### • Some Applications Do Not Launch

- a. *(Insufficient storage)* Delete unnecessary media and apps, delete downloaded contents.

### • Short Standby Time

- a. *(Battery performance degradation)* Replace the battery with a new one.
- b. *(Playing games or music)* Restrict gaming and music playing activities.

### • Charging

- a. *(Bad contact)* Check or replace the power cable and plug.
- b. *(Low battery label)* Charge for 30 minutes(charging indicator often does not display), unplug, then plug in the power cable to charge again.
- c. *(Battery faults)* Replace the battery with a new one.
- d. *(Charger faults)* Use a proper charger or repair the charger.
- e. *(Using a wrong charger model)* Use a proper charger.

### • Device Turns Off Automatically

- a. *(Insufficient power)* Charge the battery.
- b. *(Settings related)* Check if the device is set to power off automatically intentionally.
- c. *(External interference)* Reboot.

## Disclaimer

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