Chipsee

Industrial PC

HPC-MT6737-035

PN: HPC-MT6737-035

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HPC-MT6737-035

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Overview

The HPC-MT6737-035 is an industrial handheld barcode scanner, it is produced with two-color injection molding, IP65 standard protection, suitable for harsh environments, such as ticket inspection, retail, warehousing, supermarkets, transportation, logistics and other fields.

It features a 28nm Quad(4) core, 1.3GHz Cortex-A53 ARM CPU, Android 7.0 operating system, 2GB RAM, 16GB storage, 3.5 inch capacitive touch panel.

Ordering Options

Chipsee products can be customized during the ordering process. The product will be shipped with the pre-installed factory defaults if no extra requirements are specified. The table in the Hardware Specification section provides information about the default options bundled with the product.

> ✏️ **Note**
>
> You can order the HPC-MT6737-035 from the official Chipsee Store or from your nearest distributor.

Hardware Specification

CPU	MediaTek MT6737, Quad(4)-Core, 4 x 1.3GHz ARM Cortex-A53
GPU	Mali-T720 MP2
OS	Android 7.0
RAM/Storage	2GB+16GB
Display	3.5 inch (diagonal), 320x480, capacitive touch
Camera	5MP Rear camera
WiFi	Support for 802.11 a/b/g/n WiFi
Bluetooth	Support for BT 4.0 (backwards compatible)
GPS	Support for GPS
Cellular	Support for 4G/LTE(B1, B3, B7, B8, B39, B40, B41), WCDMA, EDGE, GSM
USB	1 x USB2.0
Keyboard	Support for on device 29-key keyboard (incl. side keys)
Audio	Support for stereo speaker, microphone
External Storage	Support for up to 128GB TF(MicroSD)
Weight	Around 200g
Battery	5000mAh removable battery, 7+ days standby time, 12+ hours operation time (depends on use case)
Dimension	185 x 71 x 35 mm
Operating Temp.	-15°C ~ 65°C
Scanner	Support for integrated 2D scanner
Color	Brilliant yellow + black

Standard Accessories

The standard accessories include:

- 1 x Hand strap.

- 1 x USB-A to DC cable.

- 1 x USB-A to USB-C cable.

- 1 x Charger.

Charging

You can use the bottom charging port to charge the battery in the device directly.

Scanner

By default, the product ships with a integrated scanner.

For 1D bar code, the scanner can read UPC-A, UPC-E, EAN-8, EAN-13, Code128, Code39, Interleaved 2 of 5, Codabar, Matrix 2 of 5. For 2D bar code, the scanner can read Code39, PDF417, Data Matrix.

Buttons

There are 29 buttons on the device.

By default, the three yellow buttons (left yellow button, right yellow button, yellow button on top of the main keyboard) are shortcuts to trigger the scanner.

F1, F2, F3 and F4 have no definition by default.

TF/SIM Card

There is a TF card (microSD) slot on the device, it supports up to 128GB external storage.

There is a SIM card slot on the device, as shown in the image below:

Camera

The device has a rear 5MP camera by default, it also has a flashlight, and supports autofocus.

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.

Dimension

The dimension of this product is 185 x 71 x 35 mm.

Barcode Admin App

The device has a Barcode Admin App to set up the barcode scanner module. Here is how to use it.

Click the BarcodeAdmin app in the APP icons:

1. **Barcode Scan Function**

   Toggle on and off the barcode scan function:

2. **Scan by Pressing Key**

If "Enable Scan Key" is on, you can tick the boxes below to control which keys can trigger a scan (key names may vary on different models):

3. **Output Setting**

a. **Trigger method**

　　Default mode is short press to trigger a scan, until timeout:

b. **Output Mode**

Broadcast output: Suitable for APPs developed based on this barcode service.

Add data to EditText automatically after scan data: Fill in the data directly after scanning, suitable for any APPs that can be installed.

ADD data to EditText automatically by sending virtual events: For old Android version devices, this option fills in the data by sending virtual keyboard input events after scanning.

c. **Automatic Commit**

Automatically commit data after scanning (like automatically hit return/confirm button).

d. **Data Trim (delete whitespace)**

For barcodes with prefix whitespace or suffix whitespace, this function automatically deletes them.

e. **Output Separator**

Add a separator after scanning when output.

TAB: Suitable for saving tables, like pressing the Excel line feed button.

Dot / Star: Add a (. or *) symbol after scanning.

4. **Tips Settings**

   Set an indication when scanning a barcode.

   a. **Indicator tone**: Select a barcode scan Success sound.

   b. **Tone volume**: The volume of the sound.

   c. **Indicator Led**: If enabled, the power indicator will blink after a successful scan.

   d. **Indicator Vibrator**: If enabled, the device vibrates after a successful scan.

5. **Other Settings**

   a. **Supported Code Setting**: Common barcode types are supported out of box, special types need to be checked manually in this setting.

   b. **Laser Time**: The laser is turned on when scanning, this option configures how long the laser would be turned on when scanning. After a successful scan, the laser will be turned off automatically.

   c. **Continue Scan Time**: This is a time interval, when scanning continuously, after a successful scan, the laser will be turned on again after this interval.

   d. **Continuous scan**: If enabled, after pressing the scan key once, the user can scan continuously.

   e. **Data Encoding**:To decode the scanned data, this option specifies the encoding format of the scanned data. Usually, a user doesn't need to configure this setting.

   f. **Factory Reset**: Reset to the default settings when the scanner is installed.

   g. **Baud rate**: Set the baud rate to comply with the scanner module used (usually, it is already configured in the factory).

   h. **Scan About**: The information of scanner modules, software versions, etc.

BarcodeAdminV-7.0-4.0.24

Other Settings

Supported Code Setting

Laser Time
current laser on time:3

Continue Scan Time
scan time interval(ms):150

Continues Scan

Data Encoding
UTF-8

BarcodeAdminV-7.0-4.0.24

Continue Scan Time
scan time interval(ms):150

Continues Scan

Data Encoding
UTF-8

Factory Reset

baud rate
9600

Scan About

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.

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