



# MC432

## Mobile Computer

Superior Application Flexibility for Diverse Industries

<b>IP65</b> Sealing Standard	<b>1D/2D</b> Support	<b>Android 10</b> Operating System
<b>323g</b> Weight	<b>4000mAh</b> Replaceable Battery	<b>Gorilla® Glass</b> Corning®
<b>1.6m</b> Drop Resistance	<b>660</b> Qualcomm® Snapdragon™	

MC432 is a mobile computer designed with physical keypads for industrial users to enjoy greater productivity. Equipped with a Qualcomm Snapdragon 660 CPU, a 4.3-inch sensitive touch screen, and a 23-keys keypad, MC432 delivers an excellent user experience with high efficiency of computing performance. For barcode scanning, MC432 has a built-in Honeywell N3601 scan engine to capture most formats of barcodes. Customers can also choose a more powerful scan engine such as Honeywell N6703 or Datalogic H2 to meet diverse scanning requirements in their workplaces. MC432 is highly suitable for logistic drivers, warehouse staff, retail clerks, and manufacturing workforce etc.

### Unparalleled Performance

MC432 is equipped with a Qualcomm Snapdragon 660 CPU with Adreno512 GPU. It also comes with high capacity memory that surpasses the industrial's same-class models, creating unparalleled computing performance. MC432 ensures the smoothest execution of complex procedures without any interruption.

### Premium Design

MC432 has a streamlined body with matte black finish. It also has a unique grille design on the back cover to display a premium look and feel which is rarely seen in industrial products. MC432 only weighs 323g, easy to hold and carry, and the perfect width of the body allows users to easily control with one hand. Furthermore, there are dual scan keys on both sides and a scan button in the middle of keypads, allowing users to scan from any angles.

### Accurate Scanning

MC432 is preloaded with a Honeywell N3601 2D scanner that can accurately read multiple barcode formats. Customers can also choose a Honeywell N6703 or Datalogic H2 scanner to enhance the scanning performance for larger or more complex barcode types. In addition, MC432's barcode scanner is specially designed for tilt angle of 30-degree, which is more ergonomic and allows users to hold for a long period without fatigue.

### Unbeatable Protection

Unbeatable Protection MC432 is equipped with Corning Gorilla Glass to ensure a strong and durable screen panel. It has passed the 1.6-meter drop test and the IP65 sealing standard for waterproof and dustproof, providing comprehensive protection in most workplaces. MC432 also reserves a slight thickness on the edge of screen to prevent breakage from accidental drops. In addition, MC432 adopts an exclusive panel technology, making the touch panel functional in the circumstances of oil stains, water drops, or wearing gloves.

### Replaceable Battery

MC432 is equipped with a 4000mAh replaceable battery, and the battery cover on the back side can be easily opened by pressing the switch. MC432 also supports the USB PD and QC3.0 fast charging standards to speed up the charging time, keeping your work remain uninterrupted.

### Optional Specifications

MC432 comes with one SIM card and one SD card slot, and provides both WIFI and LTE versions, allowing customers to choose based on their needs.

### Seamless Connection

MC432 comes with Bluetooth 5.0 (BT 5.0) for more than doubled transmission speeds, up to four times the connection coverage range, and 8 times the data transmission capacity. MC432 is also engineered with Wi-Fi 802.11ac 2x2 dual antenna technology to automatically detect the most stable signals around and keep the best connection.

### Clear Communication

MC432 comes with dual noise-reduction microphones that can reduce unwanted surrounding noise and echo for clearer communications with your partners anytime, anywhere.

### Brand New Android 10

MC432 is equipped with the latest Android 10 version. The Android 10 is just renovated by Google for a brand-new icon design and a more intuitive user interface, which is more helpful to accelerate your work efficiency. Customers can further choose to bundle with GMS to simultaneously enjoy a variety of Google applications and leverage the same digital innovations as smartphones.

### Extended Viewing Area

The charging port of MC432 is preset with the function of display output. Users can connect to an external screen monitor through the charging port to enjoy an extended viewing area and better experience.

### Aesthetic Package

MC432 is packaged in an exclusive box that has a classy, delicate design and rarely seen in other industrial products, making your corporate image stand out from competitors.

### Multiple Accessories

Multiple Accessories MC432 comes with a hand strap for users and it can prevent accidental slippage and damage while performing their duties. There is also an optional rugged boot to add extra protection. Moreover, customers can choose to buy an external charging cradle which can charge MC432 and a spare battery at the same time, and it can connect to a computer or network for data transmission while charging.



# MC432

## Specification

Update Date: 2021.04.13

### Physical Characteristics

**Dimensions** 181.55mm \*77mm \*33.77mm (scanner), 23.2mm (battery cover)

**Weight** 323g (with battery)

**Display and Panel**

- 4.3", WVGA 480x800 IPS panel
- Gorilla® Glass
- Multi-touch projected capacitive; fingertip (bare or gloved) input
- Wet finger, Glove

**Expansion Slots**

- One user accessible Nano SIM slots(only for LTE version)
- One micro SD memory slot with SDXC compliance.
- IO: Type C (support display output), 2 Pogo Pins

**Keys and Buttons**

- 1-screen keypad, Physical keypad type (23 keys) with white color backlight
- Side key: Scan key left and right, power key, volume key

**Indicators**

- One vibrator for ring in indication
- Audio tone indication
- LED behavior
  - Charging LED
    - Charging : Red
    - Fully charged : Green
  - Scan LED
    - Scanning : Red
    - Scan successfully : Green (Blinking once)

**Audio and Voice**

- One speaker (95dB @ 10cm)
- One receiver and dual microphone
- Support echo cancellation and noise suppression
- 3.5mm DIA stereo headset jack

### Performance Characteristics

**Operating System**

- Android 10
- GMS for LTE version

**CPU** Qualcomm® Snapdragon™ 660  
2.2GHz Octa Core

**Memory**

- 3GB RAM+32GB Flash ROM(Standard)
- 4GB RAM+64GB Flash ROM(Optional)

### User Environment

**Operating Temp.** -20~50°C

**Storage Temp.** -40~70°C (without battery)

**Charging Temp.** 0~45°C

**Humidity** 5%~95% non-condensing

**Sealing** IP65 Standard

**Drop Specification** 1.6m

**Tumble Specification** 0.5m tumbles for 300 cycles and 600 drops

**ESD** +/-8KV direct discharge, +/-15KV air discharge

### Network Connection

**Wireless PAN** Bluetooth 5.0

**Wireless LAN**

- 802.11a/b/g/n/ac Wireless LAN
- IEEE 802.11 d/h/i/r

**Wireless WAN (Only for LTE Version)**

- GSM : 850,900,1800,1900 MHz
- WCDMA : B1, B2, B5, B8
- LTE : B1, B2, B3, B4, B5, B7, B8, B12, (B17), B20, B28A, B28B, B38, B39, B40, B41

**GPS** GPS, GLONASS, Beidou

### Data Capture

**Scanner**

- Support 1D/2D
- Honeywell N3601, Honeywell N6703, Datalogic H2
- Scanning Angle: 30°

**Camera**

- Rear camera : 16M pixels CMOS color camera with autofocus
- LED flash light

**NFC**

- ISO14443-4 (Type A, Type B), ISO15693
- Mifare, Felica(ISO/IEC18092)

### Sensor

**Sensor** Accelerometer, Gyroscope, e-Compass, Light Sensor, Proximity Sensor

### Power

**Battery**

- Standard Battery : 3.85V, 4000mAh
- One backup battery for battery swap

**Power Adapter**

- 100~240Vac, 50/60Hz Input
- 5V/3A 15W , 9V/2A 18W output(QC3.0)

### Regulatory Compliance

**Certifications**

- CE(RED), FCC, NCC, IC, SRRC
- CB, IEC62368(Battery pack),UN38.3
- RoHS, REACH, WEEE
- Energy-03

### Accessories

**Accessories**

- Adapter
- Charging Cable(Type C)
- Hand Strap
- LCM protector
- Cradle (1 Terminal + 1 External Battery) (Optional)
- Rubber Boot(Optional)