











Mobile Computer

# MC432

Superior Application Flexibility for Diverse Industries

- |  |   |
|--|---|
|  Qualcomm Snapdragon<br>660<br>2.2GHz Octa Core |  OS<br>Android 10<br>(upgradeable to 12) |
|  Drop Spec.<br>1.8m (with boot)                 |  Sealing<br>IP65                         |
|  Memory<br>4GB/64GB                            |  Scan Engine<br>Honeywell N4603         |
|  Weight<br>323g                               |  Replaceable Battery<br>4000mAh        |



Warehouse



Logistics



Retail



Manufacturing



Field Service



# MC432

## Specification

Update Date: 2023.09.18

### Physical Characteristics

**Dimensions** 181.55mm x 77mm x 23.2mm (main body) / 33.77mm (scanner)

**Weight** 323g (with standard battery)

**Display and Panel**

- 4.3", WVGA (480x800) IPS LCM
- Capacitive 5 points multi-touch panel, fingertip input
- Wet finger, Glove
- Gorilla® Glass

**Expansion Slots**

- Micro SD card slot x 1 (with SDHC compliance and software image upgrade features)
- Nano SIM slot x 1 (only for LTE version)
- Type C supported USB OTG, display output and DC in 5V/3A
- Cradle connector DC power input

**Keys and Buttons**

- Virtual key x 3
- Physical keypad type (23 keys) with white color backlight
- Side key: Scan key x 2, Volume key x 2, Power key

**Notification**

- Vibration
- Ring tone
- LED behavior
  - Charging
    - Charge: Red
    - Charge full: Green
  - Scan
    - Scan Start: Red
    - Decoder: Green (Blinking once)
  - Information
    - Battery swap: Red

**Audio and Voice**

- Speaker x 1 (95dB @ 10cm)
- Receiver x 1, Dual noise-cancelling microphones x 1
- 3.5mm DIA stereo head-set jack

### Performance Characteristics

**Operating System** Android 10 with GMS (upgradeable to 12)

**CPU**

- Qualcomm® Snapdragon™ 660
- 2.2GHz Octa Core

**Memory** eMCP 4GB LPDDR4x + 64GB eMMC 5.1

### User Environment

**Operating Temp.** -20~50°C

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

**Charging Temp.** 0~45°C

**Humidity** 5%~90% (non-condensing)

**Sealing** IP65 Standard

**Drop Spec.** 1.8m MIL-STD 810G with boot and 1.6m MIL-STD 810G

**Tumble Spec.** 0.5m tumbles for 300 cycles and 600 drops

**ESD** ±8KV contact discharge, ±15KV air discharge

### Network Connection

**Wireless PAN** Bluetooth 5.0

**Wireless LAN**

- 802.11a/b/g/n/ac Wireless LAN, 2.4GHz and 5GHz
- Compliant with WEP, WPA and IEEE 802.11i WPA2
- Fast roaming
- 2x2 MIMO

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

- GSM: 850,900,1800,1900 MHz
- WCDMA: B1, B2, B4, 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
- Scan engine:
  - Honeywell N4603
  - Honeywell N6703 (Optional)
  - Datalogic H2 (Optional)
- Scanning Angle: 30°

**Camera**

- Rear camera: 16M pixels CMOS color camera with auto focus
- LED flashlight

**NFC**

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

### Sensor

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

### Power

**Battery** Replaceable main battery: 3.85V/4000mAh

**Power Adaptor**

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

### Regulatory Compliance

**Certifications**

- CB, CE, UKCA, FCC/IC, NCC, NTC Class B
- RoHS, REACH, WEEE, CP65

### Accessories

**Accessories**

- Adaptor
- Data Cable (Type C)
- LCM Protector
- Hand Strap
- Spare Battery (Optional)
- Protective Boot (Optional)
- Cradle (1 Terminal + 1 External Battery) (Optional)