

Mobile Computer

MC432

Superior Application Flexibility for Diverse Industries



Qualcomm Snapdragon
660
2.2GHz Octa Core



OS
Android 10
(upgradeable to 12)



Drop Spec.
1.8m (with boot)



Sealing
IP65



Memory
4GB/64GB



Scan Engine
Honeywell N4603



Weight
323g



Replaceable Battery
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 (<i>only for LTE version</i>) - 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℃
Storage Temp.	-40~70℃ (without battery)
Charging Temp.	0~45℃
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 (<i>Optional</i>) - Datalogic H2 (<i>Optional</i>) - 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
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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
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Accessories

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