



Mobile Computer

# MC432

Superior Application Flexibility for Diverse Industries



Qualcomm Snapdragon  
660  
2.2GHz Octa Core



Operating System  
Android 10



Drop Spec.  
1.6m



Sealing  
IP65



Weight  
323g  
(with battery)



Replaceable Battery  
4000mAh



Warehouse



Retail



Manufacturing



Logistics



# MC432 Specification

Update Date: 2021. 04.13

## Physical Characteristics

<b>Dimensions</b>	181.55mm *77mm *33.77mm
<b>Weight</b>	323g (with battery)
<b>Display and Panel</b>	<ul style="list-style-type: none"> <li>4.3", WVGA 480x800 IPS panel</li> <li>Gorilla® Glass</li> <li>Multi-touch projected capacitive; fingertip (bare or gloved) input</li> <li>Wet finger, Glove</li> </ul>
<b>Expansion Slots</b>	<ul style="list-style-type: none"> <li>One user accessible Nano SIM slots(only for LTE version)</li> <li>One micro SD memory slot with SDXC compliance.</li> <li>IO: Type C (support display output), 2 Pogo Pins</li> </ul>
<b>Keys and Buttons</b>	<ul style="list-style-type: none"> <li>1-screen keypad, Physical keypad type (23 keys) with white color backlight</li> <li>Side key: Scan key left and right, power key, volume key</li> </ul>
<b>Indicators</b>	<ul style="list-style-type: none"> <li>One vibrator for ring in indication</li> <li>Audio tone indication</li> <li>LED behavior               <ul style="list-style-type: none"> <li>Charging LED                   <ul style="list-style-type: none"> <li>Charging : Red</li> <li>Fully charged : Green</li> </ul> </li> <li>Scan LED                   <ul style="list-style-type: none"> <li>Scanning : Red</li> <li>Scan successfully : Green (Blinking once)</li> </ul> </li> </ul> </li> </ul>
<b>Audio and Voice</b>	<ul style="list-style-type: none"> <li>One speaker (95dB @ 10cm)</li> <li>One receiver and dual microphone</li> <li>Support echo cancellation and noise suppression</li> <li>3.5mm DIA stereo headset jack</li> </ul>

## Performance Characteristics

<b>Operating System</b>	<ul style="list-style-type: none"> <li>Android 10</li> <li>GMS for LTE version</li> </ul>
<b>CPU</b>	Qualcomm® Snapdragon™ 660 2.2GHz Octa Core
<b>Memory</b>	<ul style="list-style-type: none"> <li>3GB RAM+32GB Flash ROM(Standard)</li> <li>4GB RAM+64GB Flash ROM(Optional)</li> </ul>

## User Environment

<b>Operating Temp.</b>	-20~50°C
<b>Storage Temp.</b>	-40~70°C (without battery)
<b>Charging Temp.</b>	0~45°C
<b>Humidity</b>	5%~95% non-condensing
<b>Sealing</b>	IP65 Standard
<b>Drop Specification</b>	1.6m
<b>Tumble Specification</b>	0.5m tumbles for 300 cycles and 600 drops
<b>ESD</b>	+/-8KV direct discharge, +/-15KV air discharge

## Network Connection

<b>Wireless PAN</b>	Bluetooth 5.0
<b>Wireless LAN</b>	<ul style="list-style-type: none"> <li>802.11a/b/g/n/ac Wireless LAN</li> <li>IEEE 802.11 d/h/i/r</li> </ul>
<b>Wireless WAN (Only for LTE Version)</b>	<ul style="list-style-type: none"> <li>GSM : 850,900,1800,1900 MHz</li> <li>WCDMA : B1, B2, B5, B8</li> <li>LTE : B1, B2, B3, B4, B5, B7, B8, B12, (B17), B20, B28A, B28B, B38, B39, B40, B41</li> </ul>
<b>GPS</b>	GPS, GLONASS, Beidou

## Data Capture

<b>Scanner</b>	<ul style="list-style-type: none"> <li>Support 1D/2D</li> <li>Honeywell N3601, Honeywell N6703, Datalogic H2</li> <li>Scanning Angle: 30°</li> </ul>
<b>Camera</b>	<ul style="list-style-type: none"> <li>Rear camera : 16M pixels CMOS color camera with autofocus</li> <li>LED flash light</li> </ul>
<b>NFC</b>	<ul style="list-style-type: none"> <li>ISO14443-4 (Type A, Type B), ISO15693</li> <li>Mifare, Felica(ISO/IEC18092)</li> </ul>

## Sensor

<b>Sensor</b>	Accelerometer, Gyroscope, e-Compass, Light Sensor, Proximity Sensor
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## Power

<b>Battery</b>	<ul style="list-style-type: none"> <li>Standard Battery : 3.85V, 4000mAh</li> <li>One backup battery for battery swap</li> </ul>
<b>Power Adapter</b>	<ul style="list-style-type: none"> <li>100~240Vac, 50/60Hz Input</li> <li>5V/3A 15W , 9V/2A 18W output(QC3.0)</li> </ul>

## Regulatory Compliance

<b>Certifications</b>	<ul style="list-style-type: none"> <li>CE(RED), FCC, NCC, IC, SRRC</li> <li>CB, IEC62368(Battery pack),UN38.3</li> <li>RoHS, REACH, WEEE</li> <li>Energy-03</li> </ul>
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## Accessories

<b>Accessories</b>	<ul style="list-style-type: none"> <li>Adapter</li> <li>Charging Cable(Type C)</li> <li>Hand Strap</li> <li>LCM protector</li> <li>Cradle (1 Terminal + 1 External Battery) (Optional)</li> <li>Rubber Boot(Optional)</li> </ul>
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