

## Mobile Computer

# TC601

A Masterpiece of Innovation, Created for Industrial Mobility



Qualcomm Snapdragon  
660  
2.2GHz Octa Core



OS  
Android 10  
(upgradeable to 12)



Drop Spec.  
2m (with boot)



Sealing  
IP67



Memory  
4GB/64GB



Scan Engine  
Honeywell N4603



Weight  
285g



Replaceable Battery  
4000mAh



Warehouse



Logistics



Retail



Manufacturing



Field Service

# TC601

## Specification

Update Date: 2023.09.18

### Physical Characteristics

Dimensions	168.1mm x 81mm x 15.9mm
Weight	285g (with standard battery)
Display and Panel	<ul style="list-style-type: none"><li>6", 18:9 IPS Full-HD (1080 x 2160) LCM</li><li>Capacitive 5 points multi-touch panel</li><li>Gorilla® Glass 6</li></ul>
Expansion Slots	<ul style="list-style-type: none"><li>Micro SD card slot x 1 (with SDHC compliance and software image upgrade features)</li><li>Nano SIM slot x 2</li><li>Type C supported USB OTG and DC in 5V/3A</li><li>Cradle connector DC power input</li></ul>
Keys and Buttons	<ul style="list-style-type: none"><li>Virtual key x 3</li><li>Side key: Scan key x 2, Volume key x 2, Power key, Function key (programmable)</li></ul>
Notification	<ul style="list-style-type: none"><li>Vibration</li><li>Ring tone</li><li>LED behavior<ul style="list-style-type: none"><li>➢ Charging<ul style="list-style-type: none"><li>- Pre charge: Red (Blinking on)</li><li>- Charge: Red</li><li>- QC charging: Orange</li><li>- Charge full: Green</li><li>- Battery low: Red (Blinking on)</li></ul></li><li>➢ Scan<ul style="list-style-type: none"><li>- Scan Start: Red</li><li>- Decoder: Green (Blinking once)</li></ul></li><li>➢ Information<ul style="list-style-type: none"><li>- Battery swap: Red</li></ul></li></ul></li></ul>
Audio and Voice	<ul style="list-style-type: none"><li>Speaker x 1 (95dB @ 10cm)</li><li>Receiver x 1, Dual noise-cancelling microphones x 1</li><li>Type C head-set</li></ul>

### Performance Characteristics

Operating System	<ul style="list-style-type: none"><li>Android 10 with GMS (upgradeable to 12)</li><li>Android enterprise certification <i>(Optional)</i></li></ul>
CPU	<ul style="list-style-type: none"><li>Qualcomm® Snapdragon™ 660</li><li>2.2GHz Octa Core</li></ul>
Memory	eMCP 4GB LPDDR4x + 64GB eMMC 5.1

### User Environment

Operating Temp.	-20~50℃
Storage Temp.	-30~70℃ (without battery)
Charging Temp.	0~45℃
Humidity	5%~90% (non-condensing)
Sealing	IP67 Standard
Drop Spec.	1.8m MIL-STD 810G and 2 m MIL-STD 810G with boot
Tumble Spec.	0.5m tumbles for 200 cycles and 400 drops
ESD	±8KV contact discharge, ±15KV air discharge

### Network Connection

Wireless PAN	Bluetooth 5.0
Wireless LAN	<ul style="list-style-type: none"><li>802.11a/b/g/n/ac Wireless LAN, 2.4GHz and 5GHz</li><li>Compliant with WEP, WPA and IEEE 802.11i WPA2</li><li>Fast roaming</li></ul>
Wireless WAN	<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), B19, B20, B28, B38, B39, B40, B41(100M only)</li></ul>
GPS	aGPS, GPS, GLONASS, Beidou, Galileo, QZSS, SBAS

### Data Capture

Scanner	<ul style="list-style-type: none"><li>Support 1D/2D</li><li>Scan engine:<ul style="list-style-type: none"><li>- Honeywell N4603</li><li>- Honeywell N6703 <i>(Optional)</i></li></ul></li></ul>
Camera	<ul style="list-style-type: none"><li>Front camera: 5M pixel CMOS color camera</li><li>Rear camera: 16M pixels CMOS color camera with auto focus</li><li>LED flashlight</li></ul>
NFC	<ul style="list-style-type: none"><li>ISO14443-4 (Type A, Type B), ISO15693</li><li>Mifare, Felica (ISO/IEC18092)</li></ul>

### Sensor

Sensor	Accelerometer, Gyroscope, e-Compass, Light Sensor, Proximity Sensor
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### Power

Battery	Replaceable main battery: 3.85V/4000mAh
Power Adaptor	<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

Certifications	<ul style="list-style-type: none"><li>CB, CE, UKCA, FCC, NCC, Japan certification</li><li>RoHS, REACH, WEEE</li><li>BQB compliance</li><li>WIFI compliance</li></ul>
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### Accessories

Accessories	<ul style="list-style-type: none"><li>Adaptor</li><li>Data Cable (Type C)</li><li>LCM Protector <i>(Optional)</i></li><li>Protective Boot <i>(Optional)</i></li><li>Hand Strap <i>(Optional)</i></li><li>Spare Battery <i>(Optional)</i></li><li>Pistol Grip <i>(Optional)</i></li><li>Cradle (1 Terminal + 1 External Battery) <i>(Optional)</i></li></ul>
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