

## Mobile Computer

# TC605

The Right Device for All Workplaces,  
with Maximum Flexibility and Device Longevity



Qualcomm®  
QCM4490  
2.4GHz Octa Core



OS  
Android 14  
(upgradeable to Android 18)



Drop Test  
1.8m



Sealing Standard  
IP65 & IP68



Memory  
6GB/128GB



Scan Engine  
Long Range / Short Range



Weight  
280g



Battery  
5000mAh



Warehouse



Logistics



Retail



Manufacturing



Field Service



# TC605 Specification

Update Date: 2025.10.27

## Physical Characteristics

|                   |                                                                                                                                                                                                                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions        | 167.7 x 78.9 x 15.8 mm                                                                                                                                                                                                                                                                                              |
| Weight            | 280g (with standard battery)                                                                                                                                                                                                                                                                                        |
| Display and Panel | <ul style="list-style-type: none"><li>6", 18.9 IPS Full-HD (1080 x 2160)</li><li>Gorilla® Glass 7</li><li>600 nits</li><li>16.7M colors (RGB 888)</li></ul>                                                                                                                                                         |
| Expansion Slots   | <ul style="list-style-type: none"><li>Micro SD card slot x 1 (1TB / with SDHC compliance and software image upgrade features)</li><li>Nano SIM slot x 2</li><li>USB 3.1 (Type-C) support USB OTG</li><li>Compliance with PD3.0 / QC3.0 / QC4.0</li><li>8 POGO Pin for extension + 2 POGO Pin for charging</li></ul> |
| Keys and Buttons  | <ul style="list-style-type: none"><li>Virtual key x 3</li><li>Scan key x 2, Volume key x 2, Power key, Function key (programmable)</li></ul>                                                                                                                                                                        |
| Indicators        | Support RGB LED (Complied with SW)                                                                                                                                                                                                                                                                                  |
| 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>Support Type-C headsets</li><li>Support Smart PA</li></ul>                                                                                                                      |

## Performance Characteristics

|                    |                                                 |
|--------------------|-------------------------------------------------|
| Operating System   | Android 14 with GMS (upgradeable to Android 18) |
| CPU                | Qualcomm® QCM4490, 2.4GHz Octa Core             |
| Memory             | RAM 6 GB + ROM 128 GB                           |
| GMS Certification  | GMS certified                                   |
| Android Enterprise | AER certified                                   |

## User Environment

|                 |          |
|-----------------|----------|
| Operating Temp. | -20~50°C |
| Storage Temp.   | -40~60°C |
| Charging Temp.  | 0~45°C   |

|              |                                            |
|--------------|--------------------------------------------|
| Humidity     | 5%~95% (non-condensing)                    |
| Sealing      | IP65 & IP68 Standard                       |
| Drop Spec.   | 1.8 meter drop                             |
| Tumble Spec. | 0.5m tumbles for 500 cycles and 1000 drops |
| ESD          | ±8KV direct discharge, ±15KV air discharge |

## Network Connection

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wireless PAN | <p>Bluetooth 5.2</p> <ul style="list-style-type: none"><li>MAP 1.2 (Message Access Profile)</li><li>A2DP 1.2 (advanced audio distribution profile) SRC/SNK Mode</li><li>HSP 1.2 (Headset profile)</li><li>HFP 1.7 ~AG/HS (Handsfree profile)</li><li>OPP 1.1/1.2 (Object Push Profile, client and server)</li><li>HID 1.0 (Human Interface Device: Keyboard/Mouse)</li><li>AVRCP 1.4 (Audio/Video Remote Control Profile)</li><li>PAN 1.0 (Personal Area Networking Profile PANU and NAP)</li><li>HDP 1.1 (Health Device Profile)</li><li>PBAP 1.2 PSE/PCE (Phone Book Access Profile)</li><li>DUN 1.0 (Dial-Up Network)</li><li>HOGP 1.0 (HID Over GATT Profile)</li><li>HAP (Hearing Aid Profile)</li><li>SAP (Sim Access Profile)</li></ul> |
| Wireless LAN | <ul style="list-style-type: none"><li>802.11a/b/g/n/d/h/i/l/k/r/ac/ax/v/mc</li><li>2.4GHz, 5GHz, 6GHz</li><li>Compliant with WEP, WPA and IEEE 802.11i WPA2, WPA3</li><li>Fast Roaming</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Wireless WAN | <ul style="list-style-type: none"><li>5G: FDD bands: n1, n2, n3, n5, n7, n8, n12, n20, n25, n28, n66<br/>TDD bands: n38, n40, n41, n48, n77, n78, n79</li><li>4G: FDD bands: B1, B2(25), B3, B4(66), B5, B7, B8, B12, B17, B18, B19, B20, B26, B28<br/>TDD bands: B38, B39, B40, B41, B42, B43, B48</li><li>3G: B1, B2, B4, B5, B6, B8, B19</li><li>2G: 850, 900, 1800, 1900</li><li>Support DSDS (Dual SIM Dual Standby)</li></ul>                                                                                                                                                                                                                                                                                                            |

|     |                                                    |
|-----|----------------------------------------------------|
| GPS | GPS, GLONASS, Beidou, Galileo, QZSS, SBAS (5G SKU) |
|-----|----------------------------------------------------|

## Data Capture

|         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scanner | <ul style="list-style-type: none"><li>Support 1D/2D<ul style="list-style-type: none"><li>1D: Coda bar, Code 11, Code 39, Code 128, GS1-128, ISBT 128, Code 32, Trioptic, Code 93, Industrial 2of5, GS1 DataBar-14, Interleaved 2of5, Matrix 2of5, MSI, UPC/EAN (extensions), Coupon Code, Chinese Postal, Korean Postal, Australian Postal, Japan Postal, KIX Code, UK Postal, US Planet, US POSTNET, UPU 4-State, USPS 4CB</li><li>2D: Aztec, Data Matrix, Dot Code, HAN XIN, Maxi Code, MicroPDF417, Micro QR Code, PDF417, QR Code, Composite Codes, TLC-39</li></ul></li><li>Long range / Short range <i>(Selectable)</i></li></ul> |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|            |                                                                                                                                                                                   |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scan angle | 0° / 60° <i>(Selectable)</i>                                                                                                                                                      |
| Camera     | <ul style="list-style-type: none"><li>Front camera: 8M pixel CMOS color camera</li><li>Rear camera: 16M pixels CMOS color camera with auto focus</li><li>LED flashlight</li></ul> |
| NFC        | <p>Comply with</p> <ul style="list-style-type: none"><li>ISO14443-4 (Type A, Type B), ISO15693</li><li>MIFARE, FeliCa (ISO/IEC18092)</li></ul>                                    |

## Software

|          |                                                                                                                                                                                           |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Software | <p>iMozen SEK™ (Software Extension Kit):</p> <ul style="list-style-type: none"><li>EMM / MDM</li><li>Software updates</li><li>RDM</li><li>Other customized solution</li><li>OCR</li></ul> |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Sensor

|        |                                                                          |
|--------|--------------------------------------------------------------------------|
| Sensor | Gyroscope, Light sensor, e-Compass, Proximity sensor, Accelerator sensor |
|--------|--------------------------------------------------------------------------|

## Power

|               |                                                                                                                                                                              |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Battery       | <ul style="list-style-type: none"><li>Replaceable battery: 5000mAh</li><li>Support battery swap (Suspend mode 30mins)</li></ul>                                              |
| Power Adaptor | <ul style="list-style-type: none"><li>100~240Vac, 50/60Hz Input</li><li>9V/2A 18W output (Support QC3.0)</li><li><i>(Optional)</i> PPS (Programmable Power Supply)</li></ul> |

## Regulatory Compliance

|                |                                                                                                                                               |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Certifications | <ul style="list-style-type: none"><li>CE, CB, FCC, NCC, BSMI(Wi-Fi), UKCA, TELEC, VCCI, JATE, BQB, RCM</li><li>RoHS, REACH and WEEE</li></ul> |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|

## Accessories

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accessories | <ul style="list-style-type: none"><li>Adapter</li><li>USB Cable (Type-C)</li><li>Screen Protector <i>(Optional)</i></li><li>Rugged Protective Boots <i>(Optional)</i></li><li>Hand Strap <i>(Optional)</i></li><li>Shoulder Strap <i>(Optional)</i></li><li>Spare Battery <i>(Optional)</i></li><li>Soft Holster <i>(Optional)</i></li><li>Pistol Grip <i>(Optional)</i></li><li>Multi-Slot Cradle <i>(Optional)</i></li></ul> |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|