

Mobile Computer

TC605

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



Qualcomm®
QCM4490
2.4GHz Octa Core



OS
Android 13
(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: 2025.06.30

Physical Characteristics

Dimensions	167.7 x 78.9 x 15.8 mm
Weight	280g (with standard battery)
Display and Panel	6", 18.9 IPS Full-HD (1080 x 2160) - Gorilla® Glass 7 600 nits 16.7M colors (RGB 888)
Expansion Slots	- Micro SD card slot x 1 (1TB / with SDHC compliance and software image upgrade features) - Nano SIM slot x 2 - USB 3.1 (Type-C) support USB OTG - Compliance with PD3.0 / QC3.0 / QC4.0 8 POGO Pin for extension + 2 POGO Pin for charging
Keys and Buttons	- Virtual key x 3 - Scan key x 2, Volume key x 2, Power key, Function key (programmable)

Indicators	Support RGB LED (Complied with SW)
Audio and Voice	- Speaker x 1 (95dB @ 10cm) - Receiver x 1, Dual noise-cancelling microphones x 1 - Support Type-C headsets - Support Smart PA

Performance Characteristics

Operating System	Android 13 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	Bluetooth 5.2 - MAP 1.2 (Message Access Profile) - A2DP 1.2 (advanced audio distribution profile) SRC/SNK Mode - HSP 1.2 (Headset profile) - HFP 1.7 ~AG/HS (Handsfree profile) - OPP 1.1/1.2 (Object Push Profile, client and server) - HID 1.0 (Human Interface Device: Keyboard/Mouse) - AVRCP 1.4 (Audio/Video Remote Control Profile) - PAN 1.0 (Personal Area Networking Profile PANU and NAP) - HDP 1.1 (Health Device Profile) - PBAP 1.2 PSE/PCE (Phone Book Access Profile) - DUN 1.0 (Dial-Up Network) - HOGP 1.0 (HID Over GATT Profile) - HAP (Hearing Aid Profile) - SAP (Sim Access Profile)
Wireless LAN	802.11a/b/g/n/d/h/i/l/k/r/ac/ax/v/mc 2.4GHz, 5GHz, 6GHz - Compliant with WEP, WPA and IEEE 802.11i WPA2, WPA3 - Fast Roaming
Wireless WAN	5G: FDD bands: n1, n2, n3, n5, n7, n8, n12, n20, n25, n28, n66 TDD bands: n38, n40, n41, n48, n77, n78, n79 4G: FDD bands: B1, B2(25), B3, B4(66), B5, B7, B8, B12, B17, B18, B19, B20, B26, B28 TDD bands: B38, B39, B40, B41, B42, B43, B48 3G: B1, B2, B4, B5, B6, B8, B19 2G: 850, 900, 1800, 1900 - Support DSDS (Dual SIM Dual Standby)

GPS	GPS, GLONASS, Beidou, Galileo, QZSS, SBAS (5G SKU)
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Data Capture

Scanner	- Support 1D/2D 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 2D: Aztec, Data Matrix, Dot Code, HAN XIN, Maxi Code, MicroPDF417, Micro QR Code, PDF417, QR Code, Composite Codes, TLC-39 - Long range / Short range <i>(Selectable)</i>
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Scan angle	0° / 60° <i>(Selectable)</i>
Camera	- Front camera: 8M pixel CMOS color camera - Rear camera: 16M pixels CMOS color camera with auto focus - LED flashlight
NFC	Comply with - ISO14443-4 (Type A, Type B), ISO15693 - MIFARE, FeliCa (ISO/IEC18092)

Software

Software	iMozen SEK™ (Software Extension Kit): - EMM / MDM - RDM - OCR - Software updates - Other customized solution
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Sensor

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

Battery	- Replaceable battery: 5000mAh - Support battery swap (Suspend mode 30mins)
Power Adaptor	100~240Vac, 50/60Hz Input 9V/2A 18W output (Support QC3.0) <i>(Optional)</i> PPS (Programmable Power Supply)

Regulatory Compliance

Certifications	- CE, CB, FCC, NCC, BSMI(Wi-Fi), UKCA, TELEC, VCCI, JATE, BQB, RCM - RoHS, REACH and WEEE
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Accessories

Accessories	- Adapter - USB Cable (Type-C) - Screen Protector <i>(Optional)</i> - Rugged Protective Boots <i>(Optional)</i> - Hand Strap <i>(Optional)</i> - Shoulder Strap <i>(Optional)</i> - Spare Battery <i>(Optional)</i> - Soft Holster <i>(Optional)</i> - Pistol Grip <i>(Optional)</i> - Multi-Slot Cradle <i>(Optional)</i>
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