iMozen group

Mobile Computer

TC605

Brand New 5G / Wi-Fi 6E Mobile Computer

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: 2024.01.04

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
Expansion Slots	• Micro SD card slot x 1 (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 • RAM 8 GB + ROM 128 GB (Optional)
GMS Certification	GMS certified
Android Enterprise	AER certified

User Environment

Operating Temp.	-20~50℃
Storage Temp.	-40~60℃
Charging Temp.	0~45℃
Humidity	5%~95% (non-condensing)
Sealing	IP65 & IP68 Standard
Drop Spec.	1.8 meter drop (2.1 meter drop with protective boot)
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
Wireless LAN	• 802.11a/b/g/n/d/h/i/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

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

Data Capture

Scanner	• Support 1D/2D • Long range / Short range (Selectable)
Scan angle	0˚ / 60˚ (Selectable)
Camera	• Front camera: 8M pixel CMOS color camera • Rear camera: 16M pixels CMOS color camera with auto focus • LED flashlight

NFC

NFC	• ISO14443-4 (Type A, Type B), ISO15693 • MIFARE, FeliCa (ISO/IEC18092)

Software

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

Sensor

Sensor	Gyroscope, Light sensor, e-Compress, Proximity sensor, Accelerator sensor

Power

Battery	• Replaceable battery: 5000mAh • Support battery swap
Power Adaptor	• 100~240Vac, 50/60Hz Input • 9V/2A 18W output (Support QC3.0)

Regulatory Compliance

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

Accessories

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