TC603

Mobile Computer

**Thinner, Lighter, and Ingeniously Constructed
For a More Powerful Enterprise Mobile Companion**

IP65 & IP67 Sealing	**14.2mm** Thinness	**Android 10** (upgradeable to 12)
235g Weight	**1.8m** (with boot) Drop Resistance	**Gorilla® 5** Corning®
Honeywell N4603 Scanner		**660** 2.2GHz Octa Core Qualcomm® Snapdragon™

TC603 is a handheld mobile computer designed for retail, logistics and field service workers. To solve the problem of hand fatigue caused by frontline workers carrying mobile barcode collectors for long periods of time, the TC603 has been crafted to reduce the weight and thickness of its body. With a weight of just 235g and 14.2mm thinness on side frame, the TC603 is a breakthrough from the bulkiness of traditional handheld mobile computers and can easily handle long hours of work.

High-performance Processor, High-efficiency Memory

Equipped with the industrial leading Qualcomm Snapdragon 660 processor, TC603 provides high-speed and stable system performance, and no more lagging when working on various worksheets. With 4GB RAM and 64GB ROM that exceeds the industry's equivalent models, TC603 offers high efficiency for the ultimate user experience.

Thin and Light Body yet Superior Protection

It is lightweight at 235g and the side frame is only 14.2mm thin. The pattern of horizontal stripes on the back cover increase friction and help reduce the risk of unintentional slipping during use. The design of 6" FHD large screen and 18:9 display ratio not only provides a vivid viewing experience, but also a magnified display for users to read more work information at once. The panel is made of Corning Gorilla Glass, which is tough and drop resistant, so that users won't have to worry about breaking the screen panel when dropping it.

Fast and Accurate Scan Engine

Equipped with a Honeywell N4603 2D scanner, TC603 comes with a fast and accurate aiming mode, and is capable of reading a wide range of barcode types. It is suitable for workplaces that require a wide range of commodity barcode types. Ergonomically designed with a 30-degree tilt scanning angle, TC603 is designed to closely match the user's hand grip when scanning, effectively reducing the wrist fatigue and improving work efficiency during long hours of continuous scanning.

Ultra-lightweight and Surprisingly Robust

The ultra-lightweight design is surprisingly robust. With an international IP65 and IP67 rating for water and dust resistance and drop protection up to 1.8 meters with boot, it is the perfect choice for both lightness and ruggedness. For specific mobile workplaces where rain or oil stains may be a problem, or where gloves are necessary in the work procedure, the TC603 has a special coating on the screen panel to allow users to touch and work without having to wipe the screen or put on or take off gloves frequently.

78.4mm

159.4mm

24.62mm

14.2mm

| TC603 Specification

Update Date: 2023.09.25

iMozen group

Physical Characteristics

Dimensions	159.4mm x 78.4mm x 14.2mm (main body) / 24.62mm (scanner)
Weight	235g (with standard battery)
Display and Panel	• 6", 18:9 IPS Full-HD (1080 x 2160) LCM • Capacitive 5 points multi-touch panel • Gorilla® Glass 5
Expansion Slots	• Micro SD card slot x 1 (with SDHC compliance and software image upgrade features) • Nano SIM slot x 2 • Type C supported USB OTG and DC in 5V/3A • Cradle connector DC power input
Keys and Buttons	• Virtual key x 3 • Side key: Scan key x 2, Volume key x 2, Power key, Function key (programmable)

Notification	• Vibration
	• Ring tone
	• LED behavior
	  ➢ Charging
	    - Charging: Red
	    - Charge full: Green
	    - Battery low: Red (Blinking on)
	  ➢ Scan
	    - Scan Start: Red
	    - Decoder: Green (Blinking once)
	  ➢ Information
	    - Message notice: Blue

Audio and Voice	• Speaker x 1 (95dB @ 10cm) • Receiver x 1, Dual noise-cancelling microphones x 1 • Supported Type C trans to 3.5mm head-set

Performance Characteristics

Operating System	Android 10 with GMS (upgradeable to 12)
CPU	• Qualcomm® Snapdragon™ 660 • 2.2GHz Octa Core
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	IP65 & IP67 Standard
Drop Spec.	1.8m MIL-STD 810G with boot and 1.6m MIL-STD 810G
Tumble Spec.	0.5m tumbles for 300 cycles and 600 drops
ESD	±8KV contact discharge, ±15KV air discharge

Network Connection

Wireless PAN	Bluetooth 5.0
Wireless LAN	• 802.11a/b/g/n/ac Wireless LAN, 2.4GHz and 5GHz • Compliant with WEP, WPA and IEEE 802.11i WPA2 • Fast roaming
Wireless WAN	• GSM: 850,900,1800,1900 MHz • WCDMA: B1, B2, B5, B8 • LTE: B1, B2, B3, B4, B5, B7, B8, B12, (B17), B19, B20, B28, B38, B39, B40, B41(100M only)
GPS	aGPS, GPS, GLONASS, Beidou, Galileo, QZSS, SBAS

Data Capture

Scanner	• Support 1D/2D • Scan engine: Honeywell N4603 • Scanning Angle: 30˚
Camera	• Front camera: 5M pixel CMOS color camera • Rear camera: 16M pixels CMOS color camera with auto focus • LED flashlight
NFC	• ISO14443-4 (Type A, Type B), ISO15693 • Mifare, Felica (ISO/IEC18092)

Sensor

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

Power

Battery	Replaceable main battery: 3.85V/4000mAh
Power Adaptor	• 100~240Vac, 50/60Hz Input • 5V/3A 15W, 9V/2A 18W output (QC3.0)

Regulatory Compliance

Certifications	• CB, CE, UKCA, FCC, NCC, Japan certification • RoHS, REACH, WEEE

Accessories

Accessories	• Adaptor • Data Cable (Type C) • LCM Protector *(Optional)* • Protective Boot *(Optional)* • Hand Strap *(Optional)* • Spare Battery *(Optional)* • Cradles (1 Terminal + 1 External Battery) *(Optional)*