

# Tersus GNSS TC40 Controller

## Overview

The Tersus TC40 controller is a rugged smart phone with design of 8" IPS screen and 1280\*800 resolution. Equipped with Android 8.1 mainstream operating system, 8-core 2.0GHz processor, it is perfect to adapt with Tersus survey software and run fastly.

The 9000mAh large capacity battery is detachable, which can work continuously for 10 hours without pressure. The unique rounded corner design and plastic shell are compatible with appearance and protection. With professional IP67 rating, it is robust and reliable for challenging operating conditions.

## Key Features

- ✓ 8" IPS screen, 1280\*800 resolution
- ✓ 8-core 2.0GHz CPU
- ✓ Android 8.1 operating sysytem
- ✓ 4GB RAM+64GB ROM
- ✓ Front 5 megapixels fixed focus,  
Rear 13 megapixels auto focus camera
- ✓ IP67 certified grade, water/shock/dust proof
- ✓ 9000mAh battery
- ✓ Wi-Fi, Bluetooth, NFC, 4G
- ✓ Unique rounded corner design & plastic shell



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## Technical Specifications

### System

|                                       |                                                                                                                                                                                                                                                                                          |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating System:                     | Android 8.1                                                                                                                                                                                                                                                                              |
| CPU:                                  | 8-core 2.0GHz                                                                                                                                                                                                                                                                            |
| Memory:                               | 4GB RAM+64 ROM                                                                                                                                                                                                                                                                           |
| External Storage:                     | Micro SD*1, up to 128G                                                                                                                                                                                                                                                                   |
| Display:                              | 8" IPS screen                                                                                                                                                                                                                                                                            |
| Touch Screen:                         | 5-point Capacitive Touch Screen                                                                                                                                                                                                                                                          |
| Keypad :                              | 6 Physical Buttons, 1 Power Button                                                                                                                                                                                                                                                       |
| Earphone:                             | 3.5mm Earphone Jack                                                                                                                                                                                                                                                                      |
| Resolution:                           | 1280*800                                                                                                                                                                                                                                                                                 |
| Notification Method:                  | Sound, Vibration, LED prompt                                                                                                                                                                                                                                                             |
| Audio:                                | Rear Stereo Speakers, Volume 90db±3db<br>(Test Distance 10cm)                                                                                                                                                                                                                            |
| Camera:                               | Rear 13 Megapixels AutoFocus;<br>High-Brightness LED Flash;<br>Front 5 Megapixels Fixed Focus                                                                                                                                                                                            |
| Flash Light:                          | High-Brightness LED Flash                                                                                                                                                                                                                                                                |
| External Interface:                   | 20 pin Pogo Extended Port, used for Fingerprint Moudle;<br>6 pin Pogo Port ,used to connect Charger                                                                                                                                                                                      |
| Fingerprint Moudle:                   | TCS1G Reserved                                                                                                                                                                                                                                                                           |
| Barcode Scanning Support Code System: | EAN13, EAN8, UPCA, UPCE, Code 128, Code 39, Codabar,<br>UCC/EAN128,RSS, ITF, ITF14, ITF6 , IS SN, ISBN, Standard<br>25,AZTEC,Matrix 25,Industrial 25, Plessey, MSI Plessey, Code<br>11, Code 93,PDF417, QR Code, DataMatrix,Hanxin code ,<br>Maxicode, Micro QR, Micro PDF417, Composite |

### GNSS

|                  |                  |
|------------------|------------------|
| Signal Tracking: | GPS, BDS,GLONASS |
|------------------|------------------|

### Electrical

|                        |                                   |
|------------------------|-----------------------------------|
| Battery:               | 9000mAh                           |
| Working Time(Typical): | ≥10hours <sup>(1)</sup>           |
| Charging Ways:         | USB TYPE-C Fast Charge 5V/9V 1.5A |

### Physical

|                           |                                                |
|---------------------------|------------------------------------------------|
| Dimension:                | 235*150*17.6mm <sup>(2)</sup>                  |
| Weight:                   | 700g (Including Battery) <sup>(2)</sup>        |
| Operating Temperature:    | -20 °C ~ +55 °C                                |
| Storage Temperature:      | -30 °C ~ +70 °C                                |
| Humidity:                 | 5% ~ 95%                                       |
| Dustproof & Waterproof:   | IP67                                           |
| Shock:                    | 1.2m Drop Onto Concrete(6 Sides)               |
| Electrostatic Protection: | ±15kV Air Discharge,<br>±8kV Contact Discharge |

### Communication

|                       |                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Cellular Mode:        | Dual SIM Dual Standby                                                                                                                   |
| SIM1 & SIM2:          | FDD-LTE B1/B3/B5/B7/B8<br>TDD-LTE B38/B39/B40/B41<br>TDSCDMA B34/B39<br>WCDMA B1/B2/B5/B8<br>GSM B2/B3/B5/B8<br>CDMA1X/CDMA2000 BC0/BC1 |
| Wi-Fi:                | IEEE 802.11 a/b/g/n/ac 2.4G&5G Double Frequency                                                                                         |
| Bluetooth:            | BT4.1 &BLE                                                                                                                              |
| RFID(High Frequency)  |                                                                                                                                         |
| Support Agreement:    | ISO14443A/B, ISO15693                                                                                                                   |
| NFC Reading Distance: | 0~5cm                                                                                                                                   |
| Sensors:              | Gravity Acceleration Sensor,<br>Geomagnetic Sensor, Light and Distance Sensor                                                           |

Note:

(1) The working time of the battery is related to the working environment, working temperature and battery life.

(2) The actual size/weight may vary depending on the manufacturing process and measurement method.



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Information is subject to change without notice.  
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