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 (Test Distance 10cm)
Camera:	Rear 13 Megapixels AutoFocus; High-Brightness LED Flash; Front 5 Megapixels Fixed Focus
Flash Light:	High-Brightness LED Flash
External Interface:	20 pin Pogo Extended Port, used for Fingerprint Moudle; 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, UCC/EAN128,RSS, ITF, ITF14, ITF6 , IS SN, ISBN, Standard 25,AZTEC,Matrix 25,Industrial 25, Plessey, MSI Plessey, Code 11, Code 93,PDF417, QR Code, DataMatrix,Hanxin code , Maxicode, Micro QR,Micro PDF417, Composite

GNSS

Signal Tracking:	GPS, BDS,GLONASS

Electrical

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

Physical

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

Communication

Cellular Mode:	Dual SIM Dual Standby
SIM1 & SIM2:	FDD-LTE B1/B3/B5/B7/B8 TDD-LTE B38/B39/B40/B41 TDSCDMA B34/B39 WCDMA B1/B2/B5/B8 GSM B2/B3/B5/B8 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, 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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