Tersus
TC50 Controller

Overview

The TC50 Controller is a rugged multifunctional data controller with design of 5 inch sunlight readable HD touch screen and an alphanumerical keypad. Equipped with powerful Octa-core processor and android operating system, it is perfect to adapt with Tersus survey software.

With professional IP68 rating, it is robust and reliable for outdoor harsh environment. The large capacity lithium battery guarantees more than 10 hours of field working for a whole day of multiple surveying tasks.

Key Features

- ✓ 5 inch sunlight readable HD touch screen
- ✓ Octa-core 2.0GHz CPU
- ✓ Android 8.1 operating system
- ✓ 4GB RAM + 64GB ROM
- ✓ 5MP front camera and 13MP rear camera
- ✓ IP68 certified grade, water/shock/dust proof
- ✓ 7000mAh battery
- ✓ Wi-Fi, Bluetooth, NFC, 4G
- ✓ USB Type-C

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Technical Specifications

System

Operating system:	Android 8.1
CPU:	MT6763 Octa-core 2.0GHz
Memory:	4GB RAM + 64GB ROM
External storage:	Micro SD , up to 128GB
Display:	5'' sunlight-readable capacitive touch screen
Resolution:	720x1280
Camera:	5MP front , 13MP rear
Flash light:	High light flash LED

Communication

Wi-Fi:	IEEE 802.11a/b/g/n 2.4G&5G
Cellular mode:	Dual SIM Dual Standby
SIM slot:	2 Micro SIM slots
SIM1 & SIM2:	FDD-LTE B1/B3/B5/B7/B8 TD-LTE B38/B39/B40/B41 TDSCDMA B34/B39 WCDMA B1/B2/B5/B8 CDMA1x/CDMA2000 BC0/BC1 GSM B2/B3/B5/B8
Bluetooth:	BT4.1 (BLE)
USB:	USB Type-C (supports OTG)
NFC:	Protocol of ISO14443A/B, ISO15693 Readable distance 0~5cm
GNSS:	GPS/GLONASS/BeiDou
Sensors:	G-Sensor, Compass, Light-Sensor, Gyro

Electrical

Battery:	7000mAh 3.8V
Battery life:	14 hours
Charging time:	<4 hours (fast charge)

Physical

Dimension:	207mmx84mmx20mm
Weight:	370g (include battery)

Environmental

Operating Temperature:	-10°C ~ +60°C
Storage Temperature:	-30°C ~ +70°C
Humidity:	5% ~ 95%
Dust-proof & Waterproof:	IP68
Shock:	1.5m drop onto concrete
Vibration:	MIL-STD-810G

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