

# Tersus

## TC20 Controller



### Overview

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The Tersus TC20 Controller is a rugged smart phone with design of 4.3" touch screen and an alphanumerical keypad. Equipped with powerful processor, it is perfect to adapt with Tersus Survey software. With professional IP68 rating, it is robust and reliable for harsh operating conditions.

### Key Features

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Rugged smart phone 4.3" display

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4G GSM unlocked Android 6.0

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Quad-Core 1.3GHz CPU

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3GB RAM + 32GB ROM

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8MP Auto Focus camera

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IP68 certified grade, water/shock/dust proof

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6500mAh battery

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Wi-Fi, Bluetooth, NFC

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Supports GPS & GLONASS

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Two color options: red and yellow

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# Technical Specifications

## System

|                   |   |
|-------------------|---|
| Operating System: | Android 6.0   |
| CPU:              | MTK MT6735 Quad-Core 1.3GHz   |
| Memory:           | 3GB RAM + 32GB ROM  |
| External storage: | Micro SD , up to 64GB   |
| Keypad Backlight: | White   |
| Display:          | 4.3" Capacitive Touch Screen  |
| Resolution:       | 480x800   |
| Camera:           | 8M pixel, Auto Focus  |
| Flash Light:      | High light Flash LED  |
| Language:         | 47 languages including Chinese, English, Filipino, French, Greek, Italian, Japanese, Korean, Malay, Portuguese, Romanian, Russian, Spanish, Thai, Turkish, etc. |

## Electrical

|                |  |
|----------------|--|
| Power:         | 5V DC, 1.0A                                      |
| Battery:       | 6500mAh  |
| Battery Life:  | 10 hours call, 720 hours standby                 |
| Charging Time: | 4.5 hours (5V 2A input)<br>8 hours (5V 1A input) |

## Communication

|                |  |
|----------------|--|
| Wi-Fi:         | IEEE 802.11a/b/g/n   |
| Cellular Mode: | Dual SIM Dual Standby  |
| SIM1 & SIM2:   | FDD-LTE B1/B3/B7/B20<br>TD-LTE B38/B39/B40/B41<br>WCDMA B1/B2/B5/B8<br>GSM B2/B3/B5/B8 |
| Bluetooth:     | V4.1   |
| Micro USB:     | Micro USB for charging and data (OTG)  |
| Audio Jack:    | 3.5mm Audio Jack for Audio   |
| NFC:           | Standard   |
| Sensors:       | G-Sensor, Compass, Barometer,<br>Light-Sensor, Gyro                                    |

## GNSS

|                  |              |
|------------------|--------------|
| Signal Tracking: | GPS, GLONASS |
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## Physical

|                         |                         |
|-------------------------|-------------------------|
| Dimension:              | 210mmx87mmx31mm         |
| Weight:                 | 495g (include battery)  |
| Operating Temperature:  | -20 °C ~ +60 °C         |
| Storage Temperature:    | -30 °C ~ +70 °C         |
| Dustproof & Waterproof: | IP68                    |
| Shock:                  | 1.2m drop onto concrete |

**Website** | [www.tersus-gnss.com](http://www.tersus-gnss.com)  
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