



# Tersus T17M Controller

## Overview

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T17M is a new generation and professional GNSS controller featured with alphanumerical keypad, 3.7" sunlight readable screen and powerful processor which makes the field work easy for most surveyors, and meanwhile, benefits them with the higher efficiency and improved productivity.

With rugged IP54 rating and 1.2 meter free drop survival, T17M is a perfect solution for the most harsh environment. In addition, the Li-ion battery with 6500mAh capacity can make it work for long time without worrying about the power supply.

## Key Features

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Rugged design makes it suitable for most of the harsh conditions.

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The screen is readable even under strong sunlight.

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Supports versatile communication ports, including Bluetooth, Wi-Fi and 3G.

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5.0M pixel camera with autofocus makes it convenient to take field photos.

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The portable, high capacity battery can support working time >20h.

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FieldGenius and SurveCE software tools make the operation easy.

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GNSS supports GPS L1 + BeiDou B1 or GPS L1 + GLONASS L1

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The Micro SD slot can support up to external 32GB.

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Memory: 512MB RAM + 4GB ROM.

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Supports SIM for WCDMA and GSM.

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Supports external antenna.

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Supports NMEA-0183 output.

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# Technical Specifications

## System

Operating System:	Windows Mobile 6.x
CPU Frequency:	806MHz
Memory:	512MB RAM + 4GB ROM
Flash:	16GB
External Flash:	T-Flash , up to 32GB
Keypad:	27 Alphanumerical keypad
LCD:	3.7" high light LCD, 640*480
Touch Screen:	Capacitive Touch Screen
Camera:	5M pixel, Auto Focus
Flash Light:	High light Flash LED
	Language:

## Electrical

Power:	5V DC, 1.0A
Battery:	6500 mAh, 3.7V
Battery Life:	20 hours
Charging Time:	4 hours (typical)

## GNSS

Signals supported:	GPS, GLONASS, BeiDou and SBAS
Time to first fix:	27s
Hot start:	1s
Reacquisition:	1s

## Communication

Wi-Fi:	802.11 b/g/n
Cellular Modem:	GSM / WCDMA
Bluetooth:	V2.1 supported, V4.0 optional
USB:	USB Type B x1
NFC:	optional
Serial Port:	RS-232 x1

## Physical

Dustproof & Waterproof:	IP-54
Shock:	1.2m drop onto concrete
Dimension:	200mmx96mmx32mm
Weight:	515g (with battery)
Operating Temperature:	-20 °C ~ +60 °C
Storage Temperature:	-30 °C ~ +70 °C

