

Tersus T18M Controller



Overview

T18M 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 IP65 rating and 1.2 meter free drop survival, T18M 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

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

The screen is readable even under strong sunlight.

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

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

The portable, high capacity battery can support working time >8 hours.

FieldGenius and SurveCE software tools make the operation easy.

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

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

Memory: 512MB RAM + 1GB ROM.

Supports SIM for WCDMA and GSM.

Supports external antenna.

Supports NMEA-0183 output.



Technical Specifications



System

Operating system:	Windows Mobile 6.x
CPU frequency:	1GHz
Memory:	512MB RAM + 1GB ROM
Storage extension:	T-Flash , up to 32GB
Keypad:	27 Alphanumerical keypad
Display:	3.7" sunlight readable LCD, 480*640
Touch screen:	Capacitive Touch Screen
Camera:	5M pixel, Auto Focus
Flash light:	High light Flash LED

Electrical

Power:	5V DC, 1.0A
Battery:	6500 mAh, 3.7V
Battery Life:	>8 hours
Charging Time:	4 hours (typical)

GNSS

Signals supported:	GPS, GLONASS, BeiDou and SBAS
GNSS channels:	72
Single point positioning accuracy:	2.5m
SBAS positioning accuracy:	2m
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
Serial Port:	RS-232 x1

Physical

Dustproof & Waterproof:	IP65
Shock:	1.2m drop onto concrete
Dimension:	200mmx96mmx32mm
Weight:	515g (with battery)
Operating Temperature:	-20 °C ~ +60 °C
Storage Temperature:	-30 °C ~ +70 °C

Software Support

MicroSurvey FieldGenius
Carlson SurvCE

