Customer FAQs

TRIMBLE T10 TABLET
CUSTOMER FAQS

What is the Trimble T10 Tablet?

Trimble brings the advantages of fast computing power and a large screen to the field with the Trimble® T10 tablet.

Combined with integrated GNSS capabilities, the Trimble T10 is a powerful, rugged device created for survey fieldwork and data collection. At the same time it supports demanding desktop applications to provide a single-device solution for efficient data processing on the job.

Designed to work all day even in difficult environments and conditions, the Trimble T10 enables survey and professionals in a variety of applications to efficiently and reliably collect and process data for analysis and visualization on a significantly larger display using the latest Windows® 10 platform.

What are the key features of the Trimble T10 Tablet?

Fast and Powerful Computer Processing

The fast and powerful Intel® 6th Generation Core™ i7 processing engine of the T10 lets you carry out challenging field applications without difficulty. Rapid processing of maps, satellite imagery, image data and point clouds as well as geospatial field data ensures the T10 won't slow you down. Save time and money and be more productive by having your field work completed quickly with a high degree of detail, increasing the value of your data.

Enhanced Maps and Data Visualization with Large Screen Display

Whether performing survey data collection, field inspections and asset inventories, or collecting attributes, coordinates and more, the generous 10.1-inch screen (800 Cd/m²) that reads in bright sunlight ensures easy viewing of your data. The higher screen resolution (1920x1200) offers enhanced map interaction, providing accurate information on which to base informed decisions in the field.

Latest Windows Desktop Operating System

Make the field your office and enjoy the use of full Windows desktop applications on the T10 wherever you are. Supporting the Windows 10 operating system, the tablet works well with any modern application you need to get your field tasks completed and processed without using a separate laptop computer or returning to headquarters.

http://surveypartners.trimble.com

TRANSFORMING THE WAY THE WORLD WORKS

Trimble

What are the differences between the models of the T10?

The chart below lists key differences between the models of the T10.

Model	P/N	Memory & Storage	Wireless Connectivity	4G Bands supported	GNSS Receiver
T10 Tablet, Wi-Fi (International)	114050-20	8GB/256GB	Bluetooth, Wi-Fi	N/A	u-Blox Neo-M8T
T10 Tablet, 4G (256GB), Americas	114051-15	8GB/256GB	Bluetooth, Wi-Fi, 4G LTE	B2, B4, B5, B13, B17, B25	u-Blox Neo-M8
T10 Tablet, 4G (256G), International	114051-25	8GB/256GB	Bluetooth, Wi-Fi, 4G LTE	B1, B3, B7, B8, B20	u-Blox Neo-M8
T10 Tablet, Cirronet, Americas	114052-10	8GB/256GB	Bluetooth, Wi-Fi, 4G LTE, Cirronet radio	B2, B4, B5, B13, B17, B25	u-Blox Neo-M8
T10 Tablet, Cirronet, International	114052-20	8GB/256GB	Bluetooth, Wi-Fi, 4G LTE, Cirronet Radio	B1, B3, B7, B8, B20	u-Blox Neo-M8

The Trimble Access bundles use the same hardware as listed in the chart above.

What operating systems does the T10 support?

All T10 have the Microsoft® Windows 10 IoT Enterprise 64-bit operating system.

How does the operating system language provisioning feature work?

When the T10 is turned on for the first time, the Microsoft Windows 10 operating system prompts the user to select one of the available languages, such as Arabic (Saudi Arabia), Bulgarian (Bulgaria), Chinese (Simplified, China), Chinese (Hong Kong), Chinese (Traditional, Taiwan), Croatian (Croatia), Czech (Czech Republic), Danish (Denmark), Dutch (Netherlands), English (United Kingdom), English (United States), Estonian (Estonia), Finnish (Finland), French (France), French (Canada), German (Germany), Greek (Greece), Hebrew (Israel), Hungarian (Hungary), Italian (Italy), Japanese (Japan), Korean (Korea), Latvian (Latvia), Lithuanian (Lithuania), Norwegian, Bokmål (Norway), Polish (Poland), Portuguese (Brazil), Portuguese (Portugal), Romanian (Romania), Russian (Russia), Serbian (Latin, Serbia), Slovak (Slovakia), Slovenian (Slovenia), Spanish (Spain, International Sort), Spanish (Mexico), Swedish (Sweden), Thai (Thailand), Turkish (Turkey), and Ukrainian (Ukraine). Additional languages are available from Microsoft as Language Interface Packs.

Can I use the T10 with an external Keyboard?

Yes, an optional accessory keyboard with trackpad is available for the T10, giving you true 2-in-1 performance.

At this time, an English Keyboard (#114116) and a German Keyboard (#114118) are being offered. These keyboards use the docking connector and do not require a battery or Bluetooth connection.

What level of GPS accuracy can I expect with my T10?

The T10 uses a uBlox Neo-M8 chipset that is capable of 2 to 5 meter real-time accuracy using its integrated antenna and SBAS corrections. Note that actual accuracy depends on environmental conditions such as satellite availability, clear visibility of the sky etc.

Can I connect an external GPS antenna to my T10?

No, the T10 has an integrated GNSS antenna and does not offer a connector for an external GNSS antenna.

TRANSFORMING THE WAY THE WORLD WORKS

Can I use an external GNSS Receiver with my T10?

Yes you can. Trimble makes GNSS receivers that connect easily to the T10 through a Bluetooth connection.

What wireless connectivity options does the T10 support?

All T10 models have Bluetooth® and Wi-Fi (IEEE 802.11ac, 2.4 GHz/ 5GHz dual band) wireless technology.

In addition to Bluetooth and Wi-Fi, the 4G models are equipped with a 4G cellular WWAN modem for connecting to the Internet. Two versions are available, supporting either international 4G Bands or 4G Bands used in the Americas. The Cirronet models also have a Cirronet radio in addition to 4G, Bluetooth and Wi-Fi.

Can the T10 be used for voice calls on the cellular network?

No, the 4G radio in the T10 Tablet 4G is designed for data connectivity only.

What 4G Bands does the T10 support?

The Americas model supports bands B2, B4, B5, B13, B17 and B25.

For example, in the USA, AT&T wireless uses B2, B4 and B5. T-Mobile uses B2 and B4 and Verizon Wireless use B2, B4 and B13. Sprint uses B25 and other bands that are not supported. In Canada, Rogers uses B4 and B13, Bell uses B4, B5 and B13, Telus B4, B5, and B13.

The international model supports bands B1, B3, B7, B8 and B20.

Most European carriers use B3, B7 and B20. Vodafone New Zealand uses B3 and B7. Telstra, Optus and Vodafone in Australia use B1, B3, B7.

Please always check with your mobile operator which 4G bands are being used.

What are the power options for the T10?

The T10 ships with a 41Wh (11.4V, 5400 mAh) rechargeable battery. An enhanced capacity battery with 91Wh (11.4V, 8000 mAh) is available as an optional accessory. Note that Battery capacity will be reduced at lower temperatures or extremely high temperatures.

The batteries are internally rechargeable using the AC Adapter that is included with the unit.

The T10 batteries are hot-swappable; that is the battery can be changed out for new / freshly charged one while the unit is working. Battery operation and recharge times will vary based on many factors, including screen brightness, applications, features, power management, battery conditioning and other settings or preferences.

What kind of battery life can I expect with the T10?

Battery Performance depends on a number of variables.

The T10 standard battery has a capacity of 5,400 mAh when new and fully charged at room temperature, the enhanced capacity battery 8,000 mAh new and fully charged at room temperature (Batteries should neither be charged at temperatures below 32°F (0°C) nor temperatures above 113°F (+45°C) to avoid impacting battery longevity and performance). Power consumption depends on how the tablet is being used (e.g. what kind of applications and how processor intensive they are, frequency of using the application, wireless communication options being used, display brightness, environmental conditions like temperature etc.).

Microsoft's Windows 10 operating system offers a choice or customization of a power plan, which is a collection of hardware and system settings (like display brightness, sleep etc.) that manages how the device consumes battery power. The "*High Performance*" setting will consume more energy and drain the battery faster, while the "*Power Saver*" setting will be more conservative in current draw. The "*Balanced*" setting is recommended for most cases.

Other settings that can help improve power consumption are reducing the Display *Brightness* settings to lower than 100 when not required or turning off radios when not needed (Bluetooth, Wi-Fi, 4G) to conserve energy. The Wi-Fi and 4G models have a physical "Airplane Mode" RF switch on the back of the unit that can conveniently turn off the Bluetooth and Wi-Fi radios.

How long does it take to charge the battery of the T10?

The T10 standard battery will take about 4.5 hours to fully charge, the enhanced capacity battery charging time is about 6.5 hours. Batteries should neither be charged at temperatures below 32°F (0°C) nor temperatures above 113°F (+45°C) to avoid impacting battery longevity and performance.

Can I only charge the battery inside a T10?

No; while you can charge a battery inside the tablet using the AC adapter, we are also offering optional accessories to separately either charge a single battery (#114113) or multiple batteries simultaneously (#114114).

Is it normal for the battery to get warm?

Yes; it is normal for any battery to get warm during discharge or charging.Note that batteries should neither be charged at temperatures below 32°F (0°C) nor temperatures above 113°F (+45°C) to avoid impacting battery longevity and performance. Do not charge batteries inside a hot vehicle e.g. parked in the sun, as temperatures can quickly exceed the specified range.

What type of cable connections does the T10 support?

The T10 features a USB host port, an audio (headset) port and a DC (charging) port as well as a docking connector.

For additional connections, you can use the optional office dock (#114119), which offers an Ethernet connection, USB ports and one HDMI port for an external display.

Does the T10 Tablet have a camera?

Yes, the T10 has a 5 MP rear facing camera capable of taking still photographs as well as video. The camera is accessed through an application that is pre-installed with the operating system

Can I program the 3 buttons next to the power button?

Yes, the T10 has 3 programmable buttons on the lower left handside of the tablet, next to the power button.

To program the desired functionality, click on the "^" symbol in the lower right hand side of the screen, next to the battery icon and select the "Button Manager" app.

What is in the T10 box?

The T10 includes the following accessory items:

- Tablet with standard battery and hand strap
- AC/DC Power Adapter with power cord (international version with adapters)
- Screen protector
- Digital pen with tether and mounting clip
- Quick Start Guide

TRANSFORMING THE WAY THE WORLD WORKS

What optional accessories are available for the T10?

Image	Description	Part Number
	Trimble T10 Stylus	114107
	Trimble T10 hand strap	114108
	Trimble T10 Screen Protector (single)	114109
	Trimble T10 Battery, Standard Capacity (11.4V, 5400 mAh)	114110
	Trimble T10 Battery, Enhanced Capacity (11.4V, 8000 mAh)	114111
	Trimble T10 AC Adapter with power cord (19V/65W out)	114112
	Trimble T10 Battery Charger Kit / single battery	114113
	Trimble T10 Battery Charger / gang charger	114114
	Trimble T10 Vehicle Power Supply, 11-16V DC, 19V/65W out	114115
	Trimble T10 Keyboard with Trackpad (US)	114116

TRANSFORMING THE WAY THE WORLD WORKS

Image	Description	Part Number
	Trimble T10 Keyboard with Trackpad (German)	114118
	Trimble T10 Office Dock (w.o. AC Adapter)	114119
	Trimble T10 AC Adapter cable with international plugs	114120
	Pole mount, T10 Tablet, w. quick release	114121
	Trimble T10 Vehicle Mount Cradle	114122
	Trimble T10 Vehicle Mount with keyboard & trackpad	114123
	Trimble T10 Carrying case	114124
	Trimble T10 Shoulder Strap	114125

What is so special about the T10 stylus?

The T10 has a capacitive multi-touch display and touchscreen, which is highly responsive to the touch of a finger (or multiple fingers) as well as a capacitive stylus.

The stylus we are including with the T10 is actually an active pen, based on capacitive-coupled sensing technology for use on capacitive touch screens. This digital pen provides an enhanced user experience to increase work efficiency. With a much finer (and pressure sensitive) tip for more accurate operation, it offers button functionality, e.g. to access the right-click menu or functionality or activate an eraser function to delete markings made with the digital pen on the screen in some applications.

Where can I tether my stylus or attach it when not in use?

The Stylus comes with a tether as well as a mounting clip to attach it. The tether can be easily attached to the mount points by unhooking the hand strap from the left or right upper mount point and placing the tether onto the pin before hooking the handstrap back into the mount point. Switching between left-hand and righ-hand use and tether is quick and easy. The included mounting clip can easily be attached in a preferred location on the hand strap such as the middle or one of the sides and can store the stylus when not in use.

If I lose my stylus, can I use a non-Trimble stylus?

Yes, there are a wide variety of capacitive touch styluses available in the market that work well with the T10. We do however offer the T10 stylus as an accessory part as well.

Do I have to use Trimble provided gloves for my touchscreen to work?

No, but you do need to use gloves designed for use on projective capacitive touchscreens.

Where is the T10 manufactured?

The T10 is manufactured in Taiwan.

What support materials are available for the T10?

Comprehensive support materials including Support Notes and FAQs will be available on Geospatial.Trimble.com/T10.

Where can I get more information?

Go to Geospatial.Trimble.com/T10 or contact your local Trimble representative.

TRANSFORMING THE WAY THE WORLD WORKS

Trimble.