Trimble TSC5 and Trimble TSC3

CONTROLLERS

TSC5 - Your new best way to work



Introducing the Trimble® TSC5 survey controller.

You're familiar with the Trimble TSC3 controller, it's been the mainstay of many surveyors' field kit. The NEW Trimble TSC5 controller offers all the benefits of the TSC3, brought up to date with an Android operating system. The TSC5 is a workhorse with improved features such as a five-inch screen and backlit keyboard, ensuring fast, efficient operation, even while wearing gloves. Rugged yet lightweight, with all-day battery power, the TSC5 delivers the ideal blend of high performance and reliability you expect from Trimble.

COMPARISON GUIDE

Trimble TSC5 and Trimble TSC3
CONTROLLERS

Key enhancements of the Trimble TSC5 over the TSC3:

- Android™ 10 operating system
- Google Mobile Services certified with access to Google Play™ store apps
- 12 programmable function keys
- Additional Shift & AGr key combinations
- 5-inch multi-touch screen—with finger, stylus and glove modes
- All day battery onboard, backed by an optional user removable battery.
- High resolution 13 MP camera
- Optimized for Trimble Access™ 2021 field software
- Fast and powerful 2.2 GHz processor
- 4 GB memory and 64 GB storage
- EMPOWER module compatible

To help decide if upgrading to the TSC5 is right for you, refer to the table below for a feature comparison between the controllers*:

Feature	TSC5	TSC3
Operating system	Android 10	Microsoft® Windows® Embedded Handheld (WEHH) 6.5
Screen	12.7 cm (5.0") 1280 x 720 px Color Transflective type TFT Display Projective capacitive multi-touch Touch panel Brightness 365 Cd/m^2	10.7 cm (4.2") 640 x 480 px Color Transflective resistive touchscreen Brightness 280 Cd/m^2
Processor	Qualcomm® SDA660 (2.2 GHz)	Texas Instrument Sitara™ 3715 series ARM® Cortex™ A8 Processor (800 MHz)
Battery	Li-Ion internal batteries plus optional Li-Ion battery pack	Li-Ion rechargeable pack, Li-Ion removeable
Battery life	RTS usage 16 hours or GNSS RTK usage 18 hours	28.9 Wh usage, 15 hours using Internal GPS and backlight
Battery capacity	4530 mAh/7.2 V nominal capacity for internal	2600 mAh/11.1 V nominal capacity
External battery	Optional external user replaceable Li-Ion battery	User replaceable Li-Ion rechargeable pack only
Memory (RAM)	4 GB	0.256 GB
Data storage	64 GB	8 GB
Wi-Fi	2.4 GHz (802.11 b/g/n/ac) 5.0 GHz (802.11 a/n/ac)	2.4 GHz (802.11 b/g)
Alphanumeric data entry	Full International QWERTY keypad with 10-key number pad and directional buttons	Full International QWERTY or ABCD keypad with 10-key number pad and directional buttons
Programmable buttons	12 (and multiple Fn, Shift & AGr key combinations)	4
WWAN	Worldwide LTE 4G also compatible with 3G networks. AT&T and Verizon certified. MicroSIM card	3G GSM and CDMA only compatible with 3G networks.
Integrated Bluetooth®	Bluetooth 5 classic & BLE 5, Class 1	Integrated Bluetooth 2.0+EDR
Integrated camera	13 MP rear facing camera with flash	5 MP rear facing camera with flash
Ruggedness	Withstands 1.2 m (4 ft) drop MIL-STD-810H	Withstands 1.2 m (4 ft) drop MIL-STD-810G
Environmental	IP65 (Dust and Water resistant)	IP67 (Dust and Water resistant)
Weight	934 g (2.06 lb)	1040 g (2.3 lb)
Compatible GNSS receivers	Trimble R12i, Trimble R12, Trimble R10, Trimble R8s Trimble R2	Trimble R10 Trimble R8s Trimble R2
Compatible software	Trimble Access™ 2021 field software Android-based 3rd party apps	Trimble Access 2017.24 field software
EMPOWER module support	1 x module bay supports EM100 GNSS Receiver Module, EM120 2.4 GHz Radio Module, EM11x Barcode/RFID Modules	Not supported. Some models support RTS with Integrated 2.4 GHZ Radio Communication

* Refer to datasheet and FAQs for full details and limitations. Accuracy specifications apply to the latest field and office software versions

© 2021, Trimble Inc. All rights reserved. Trimble and the Globe & Triangle logo are trademarks of Trimble Inc., registered in the United States and in other countries. Access is a trademark of Trimble Inc. The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Trimble Inc. is under license. Google, Google Play, Android, and other marks are trademarks of Google LLC. Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States and/or other countries. All other trademarks are the property of their respective owners. PN 022516-556 (03/21)

To learn more, visit: **Trimble.com/TSC5**