

# Trimble TSC7

## CONTROLLER

### KEY FEATURES

- ▶ Optimized for Trimble® Access™ field software
- ▶ Large 7-inch multi-touch screen for finger or stylus
- ▶ Sunlight readable display
- ▶ Secure Windows® 10 Pro operating system
- ▶ Compatible with Microsoft® Office, web browsers, and other third-party apps
- ▶ Manages large project files, complex imagery, point clouds, and other 3D data
- ▶ Intel Pentium processor with 8 GB RAM and 64 GB internal memory
- ▶ Comprehensive connectivity options
- ▶ Front- and rear-facing cameras
- ▶ Backlit keypad with customizable button commands
- ▶ User-interchangeable EMPOWER modules, including a long-range radio
- ▶ Military-spec rugged design, engineering and performance
- ▶ Ergonomic form factor
- ▶ Hot-swappable batteries with LED indicators

**Learn more:** [geospatial.trimble.com/TSC7](https://geospatial.trimble.com/TSC7)



## PHYSICAL SPECIFICATIONS

Size	30 x 20.9 x 7.1 cm (11.8 x 8.2 x 2.8 ")
Weight	1.42 kg (3.12 lb)
Housing	Glass-fibre reinforced resin with integrated drop bumpers

ENVIRONMENTAL SPECIFICATIONS  
(meets or exceeds)

Operating temperature	-20 °C to 60 °C (-4 °F to 140 °F) MIL-STD-810G 501.5 Procedures II (operation)
Storage temperature	-40 °C to 70 °C (-40 °F to 158 °F) MIL-STD-810G 501.5 Procedures I (storage)
Humidity	90 % RH temp cycle -20 °C/60 °C (-4 °F/140 °F) MIL-STD-810G, Method 507.5, Procedure II
Sand & dust	IP6x: 8 hours of operation with blowing talcum powder (IEC-529)
Water	IPx8: Immersion, up to 1 m (3.2 ft) depth for 2 hours
Drop	26 drops at room temperature from 1.22 m (4 ft) onto plywood over concrete MIL-STD-810G, Method 516.6, Procedure IV

## SECURITY

TPM (Trusted Platform Module)

## CONFIGURATIONS

EMPOWER module support	2 x module bays
Languages supported at first boot:	Chinese (Simplified), English (US), French, German, Italian, Japanese, Korean, Portuguese (Brazilian), Spanish (Castilian region and Mexico)

## CERTIFICATIONS

Among others	FCC, NRTL, ICES, IC, NRTL, CE, CB, RCM, CCC
Countries	Certified in countries: USA, Canada, EU, Australia/New Zealand, South Africa, India, Malaysia, Tunisia, UAE, Thailand, Taiwan, Russia
Environmental	EU RoHS, China RoHS, REACH, WEEE

## COMPATIBLE FIELD SOFTWARE

Trimble Access version 2017.2x and Trimble Access version 2018 and later

## ELECTRICAL SPECIFICATIONS

Processor	Intel Apollo Lake - N4200, 64-bit quad-core
Memory	8 GB RAM, LPDDR4
Storage	64 GB eMMC
Expansion	via microSDXC card up to 2 TB
Batteries	2 x 3100 mAh (22.53 Wh) min. capacity/3150 mAh (22.90 Wh) nominal capacity; removable, hot swappable, charge LED indicator
Battery life	Medium usage approx. 5 hours, can range 4-7 hours (depending on display settings, connectivity, data processing, ambient temperature, etc.)
Charging time	Full-charge 3.5 hours, fast-charge (80 %) 1 ¾ hours
Power input	19V/5A charging
Notification LED	Charging and power status
Display	7-inch, 1280 x 800 landscape, 16:10, multi-point capacitive, 650+ nits sunlight readable
Keyboard	QWERTY or ABCD, with backlight, numeric key block, Fn keys (6 physical + 6 2nd function Fn keys)
Audio	Speaker and dual digital microphone array with noise reduction
External speaker/microphone	3.5 mm mini-jack or wireless headset
I/O	User replaceable module. Standard: Charger/DC power-in, USB 3.1 Gen 1 type A host, serial RS232 DB-9
USB	USB 3.1 Gen 1
WWAN	Worldwide LTE in regions where it is available, and compatible with 3G networks AT&T and Verizon certified. MicroSIM card
Wi-Fi	802.11 a/b/g/n, 2.4 GHz radio band
Bluetooth®	BT 2.1 + EDR, BT 4.1
Camera	Rear camera 8 MP autofocus with flash Front camera 2 MP fixed-focus
GNSS	Integrated GNSS
Sensors	3-axis accelerometer, magnetic sensor, ambient light sensor, proximity sensor

Specifications subject to change without notice.



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