

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 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 128 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



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PHYSICAL SPECIFICATIONS

Size	20.9 x 30.2 x 7.0 cm (8.2 x 11.9 x 2.76") Angled design.
Weight	1.42 kg (3.12 lb)
Housing	Glass-fibre reinforced resin with integrated drop bumpers

ENVIRONMENTAL SPECIFICATIONS (MEETS OR EXCEEDS)

Operating temperature	-30 °C to +60 °C (-22 °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)
Sand & dust	IP6x: 8 hours of operation with blowing talcum powder (IEC60529)
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
Humidity	90 % RH temp cycle +30 °C/+60 °C (86 °F/140 °F) MIL-STD-810G, Method 507.5, II
Vibration	Operating MIL-STD 810G 514.6 I & II, non-operating I, cat 24
Altitude	Operational at 4,572 m (15,000 ft), MIL-STD-810G, Method 500.5, (Altitude) I (storage) & II (operating)
Temperature shock	Survives cycles between -30 °C and +60 °C (-22 °F and +140 °F), MIL-STD-810G, 503.5, I
Solar exposure	Survives prolonged solar exposure, MIL-STD810G Method 505.5, II

SECURITY

TPM 2.0 (Trusted Platform Module)

CONFIGURATIONS

Empower module support	2 x module bays
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COMPATIBLE FIELD SOFTWARE

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

Windows 10 64 bit applications

ELECTRICAL SPECIFICATIONS

Processor	Intel Apollo Lake - N4200, 64-bit quad-core
Memory	8 GB RAM, LPDDR4
Storage	128 GB eMMC
Expansion	via SDXC card up to 512 GB
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	8 hours typical (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
Notification LED	Charging and power status
Display	7", 1280 x 800 landscape, 16:10, 800 nits sunlight readable. LED backlit, Gorilla® Glass 3.0, 10 point capacitive multitouch with stylus, touch, and glove mode
Keyboard	QWERTY with backlight, numeric key block, Fn keys (6 physical + 6 second function 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
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/ac (2.4 GHz/5 GHz ISM radio band)
Bluetooth®	Bluetooth 5.1
Camera	Rear camera 8 MP autofocus with flash Front camera 2 MP fixed-focus
GNSS	Integrated Sierra Wireless EM74xx, Horizontal Accuracy 2–4 m (RMS), L1 GPS, GLONASS, BeiDou, Galileo
Sensors	3-axis accelerometer, magnetic sensor, ambient light sensor, proximity sensor

Specifications subject to change without notice.



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