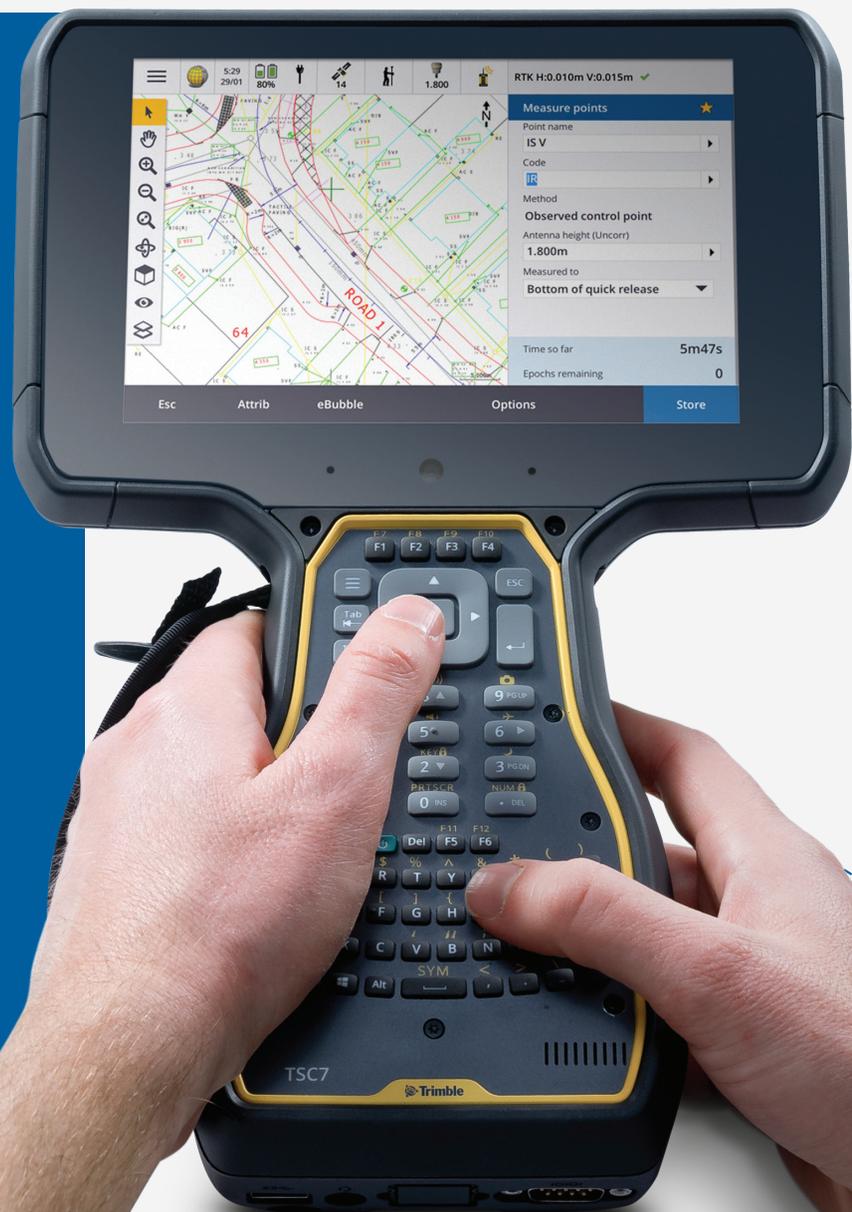# Trimble TSC7

CONTROLLER

KEY FEATURES

- ▶ Optimised for Trimble® Access™ field software
- ▶ Large 17.78 cm (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

TRANSFORMING THE WAY THE WORLD WORKS

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Trimble TSC7 CONTROLLER

PHYSICAL SPECIFICATIONS	
Size	30 x 20.9 x 7.1 cm
Weight	1.42 kg
Housing	Glass-fibre reinforced resin with integrated drop bumpers

ENVIRONMENTAL SPECIFICATIONS (MEETS OR EXCEEDS)	
Operating temperature	−20 °C to 60 °C MIL-STD-810G 501.5 Procedures II (operation)
Storage temperature	−40 °C to 70 °C MIL-STD-810G 501.5 Procedures I (storage)
Humidity	90 % RH temp cycle −20 °C/60 °C 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 depth for 2 hours
Drop	26 drops at room temperature from 1.22 m 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	17.78 cm (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.