

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



Trimble TSC7 CONTROLLER

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

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|-------------------------------|
| TPM (Trusted Platform Module) |
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CONFIGURATIONS

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|------------------------------------|--|
| 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

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| Trimble Access version 2017.2x and Trimble Access version 2018 and later |
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ELECTRICAL SPECIFICATIONS

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|-----------------------------|---|
| 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.



Contact your local Trimble Authorized Distribution Partner for more information

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