

Trimble T70

TABLET



The Trimble® T70 is a compact Android™ tablet designed for modern surveyors and construction professionals alike. Unmatched in versatility, it integrates seamlessly across every workflow—whether using it with a GNSS rover, for machine guidance, clipping it onto a total station or controlling it remotely. Its robust communication suite ensures you remain fully connected to all field hardware while enabling real-time collaboration through Trimble Connect® cloud software or WorksManager software.

Physical specifications

Size	198.6 mm x 109 mm x 34.5 mm (7.7 in x 4.3 in x 1.3 in)
Weight	760g (1.68 lbs) excluding Trimble Empower™ module, pole bracket and other accessories

Environmental specifications

Operating temperature¹	-20 °C to +60 °C (-4 °F to +140 °F)
Storage temperature²	-30 °C to +70 °C (-22 °F to +158 °F)
Startup temperature	-20 °C to +60 °C (-4 °F to +140 °F)
AC adapter/charging temperature	0 °C to +45 °C (-32 °F to +113 °F)
Dust	IP6x: 8 hours with blowing talcum powder (IEC-529)
Water	IPx8: Immersion, up to 1 m (3.2 ft) depth for 2 hours (IEC-529)
Transit drop³	1.22 m drop on to plywood.
Humidity⁴	95% Relative humidity, temperature cycle 30 °C to 60 °C (86 °F to 140 °F)
Vibration⁵	General minimum integrity and loose cargo test



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Altitude (Low pressure)⁶	Operational at 9,144 m (30,000 ft) at 5 °C / 41 °F storage at 12,192 m (40,000 ft) at -30 °C / -22 °F rapid decompression 2,438m (8,000 ft) to 12,192 m (40,000 ft) in <15 seconds at 25 °C / 77 °F
Temperature shock⁷	Survives cycles between -20 °C and +60 °C (-22 °F and +140 °F)
Solar exposure⁸	Survives prolonged solar exposure
Salt spray⁹	ASTM B117 5% salt solution, 96 hrs

System and electrical specifications

Processor	Qualcomm QCS6490
Memory	8 GB LPD4X
Storage	128 GB UFS flash memory
Operating system	Android 15
Batteries	Internal Li-ion 12,800 mAh / 3.635 V nominal capacity
Battery life¹⁰	14 hours of continuous use running GNSS RTK or 12 hours of continuous use running a robotic total station
Charging time	Full-charge 4 hours, 0-50% charge in 2 hours
Power input	USB Type-C, PD 2.0 compliant: 5V, 9V, 12V/3A charging
Notification LED	Battery status, shift, function, Alpha mode, screen Lock, keypad Lock
Display	6 in landscape FHD+ (2160 × 1080 px), 403 PPI 900 cd/m ² sunlight readable LED backlight, projected capacitive multi-touch display with stylus, finger, and glove modes
Keyboard	32-Key backlit Alpha-Numeric tactile keypad with standard 12-key T9-style Numeric/Alpha cluster, dedicated navigation keys, programmable function keys, and Android control keys.
Audio	Mono speaker and dual microphones with noise-canceling technology
I/O	Single USB 3.1 type C for charging, DisplayPort, and 5Gbps USB data transfer
WWAN	Sierra Wireless EM7590, worldwide LTE 4G in regions where it is available, and compatible with 3G networks. Nano SIM card
Wi-Fi[®]	Wi-Fi 6, 2.4 GHz (802.11 b/g/n/ax) & 5.0 GHz (802.11 a/n/ac/ax)



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Bluetooth®	Bluetooth 5.2, BLE 5, Class 1
Near-field communication	NFC NXP PN-7160, reader/writer mode
Camera	Rear camera: 13 MP auto-focus with LED Flash
GNSS	Integrated Sierra Wireless EM7590 GPS (L1 C/A), GLONASS (L1), BeiDou (B1), Galileo (E1), QZSS. 4m horizontal RMS in favorable conditions
Integrated sensors	6-axis inertial sensor (accelerometer + gyro) E-compass Ambient light sensor Temperature sensor

Security	
	Secure boot with hardware fuse protection Qualcomm® Trusted Execution Environment (QTEE) Device encryption Quarterly Android security patches

Configurations	
	Empower module support 1 x module bay Supported radio modules: EM120, EM130, EM450, & EM940

Certifications	
Country certifications	USA, Canada, EU, UK, Australia, New Zealand, Japan, Brazil, Chile, China, India, Kazakhstan, South Korea, Mexico, Saudi Arabia, Thailand, Taiwan, UAE
Environmental	Conflict minerals, EU RoHS 2.0, EU REACH COMPATIBLE

Compatible software	
	Trimble Siteworks field software version 1.81 and later
	Trimble Access™ field software version 2025.21and later
	Trimble TerraFlex® field software version 2025.30 and later
	Trimble Mobile Manager software version 2025.23 and later
	Android 15 applications

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Trimble Protect protections plans

Add a Trimble Protected protection plan for worry-free ownership over and above the standard Trimble product warranty. Added enhancements include coverage for wear & tear, environmental damage, and more. Accidental damage is covered with Premium plans, available only at point-of-sale in selected regions. For details, visit trimbleprotected.com or contact a local Trimble dealer.

- 1 MIL-STD 810H, Method 502.7 & 501.7, Procedure II
- 2 MIL-STD 810H, Method 502.7 & 501.7, Procedure I
- 3 MIL-STD-810H, Method 516.8, Procedure IV
MIL-STD-810H, Method 516.8, Procedure IV Faces only (60°C)
MIL-STD-810H, Method 516.8, Procedure IV Faces only (-20°C)
- 4 MIL-STD-810H, 507.6 Procedure II
- 5 MIL-STD 810H, Method 514.8, Procedure I, II
- 6 MIL-STD-810H, Method 500.6, Procedures I (storage), II (operating) & III (rapid decompression)
- 7 MIL-STD-810H, Method 503.7, Procedure I-C
- 8 MIL-STD-810H, Method 505.7, Procedure I and II, Solar Exposure
- 9 H: 82.0° V: 65.9°
- 10 Battery operating time depends on display settings, connectivity, data processing, and ambient temperature.

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