# **Trimble T7**

## **TABLET**

### **KEY FEATURES**

- ▶ High definition, sunlight readable 7-inch multi-touch screen
- Secure Windows® 10 Professional operating system
- Compatible with Microsoft® Office, web browsers, and other third-party apps
- ► Ultra-rugged design and performance with MIL-STD-810G certification
- ▶ Dual Trimble® EMPOWER modular expansion system slots
- ► High-speed 4G LTE, Wi-Fi, and Bluetooth® data connectivity

- ► Powerful Intel® Pentium® processor with 8 GB RAM and 128 GB internal storage
- ► Hot-swappable batteries with LED indicators
- Programmable, tactile hard keys
- Front- and rear-facing cameras
- ► Ergonomic form factor
- Optimized for Trimble field software, external Trimble GNSS receivers and Trimble robotic total stations

Learn more: geospatial.trimble.com/t7





## **Trimble T7** TABLET

PHYSICAL SPECIFICATIONS	
Size	6.5" x 9.6" x 2" (165 mm x 245 mm x 50 mm)
Weight	2.65 lb (1.2 kg)
Housing	Glass-fibre reinforced resin with integrated drop bumpers

ENVIRO	NMENTAL SPECIFICATIONS (MEETS OR EXCEEDS)
Operating temperature	$-4^{\circ}\text{F}$ to 140 $^{\circ}\text{F}(-20^{\circ}\text{C}$ to 60 $^{\circ}\text{C})\text{MIL-STD-810G}$
Storage temperature	$-22^\circ\text{F}$ to 158 $^\circ\text{F}$ (–30 $^\circ\text{C}$ to 70 $^\circ\text{C}$ ) MIL-STD-810G
Sand & dust	IP6x: (IEC60529)
Water	IPx8: Immersion, up to 3.2 ft (1 m) depth for 2 hours
Drop	4 ft (1.22 m) on concrete MIL-STD-810G, Method 516.6, Procedure IV
Humidity	95% RH Non-condensing MIL-STD-810G, Method 507.6, Procedure II
Vibration	Method 514.5 Procedure I Category 24
Altitude	Operational at 30,000 ft (9,144 m), MIL-STD-810G, Method 500.5, (Altitude) I (storage) & II (operating)
Solar Exposure	Survives prolonged solar exposure, MIL-STD-810G Method 505.5, Procedure II

TPM	TPM 2.0 (Trusted Platform Module)	
CONFIGURATIONS		
EMPOWER module support	2 x module bays	

**SECURITY** 

	CERTIFICATIONS
Country certifications	FCC, CB, IC, ICES, CE, A-TICK, ACMA, RCM, RSM, NRTL Scheme
Environmental	EU RoHS, REACH, WEEE

	COMPATIBLE FIELD SOFTWARE	
Trimble Access™ version 2017.23 and Trimble Access version 2018.22 and Ia		
Trimble TerraFlex™ software		
	Windows 10 Pro 64 bit applications.	

Processor  Memory  8 GB RAM  Storage  128 GB SSD eMMC  Expansion  via SDXC card up to 256 GB  2 x 3100 mAh (22.53 Wh) min. capacity/3150 mAh (22.90 Wh) nominal capacity; removable, hot swappable, charge LED indicator  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  19 V/5 A charging  Notification LED  Charging and power status  7-inch, 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  Keypad  Keypad  Audio  Speaker and dual digital microphone array with noise reduction  External speaker/ microphone  1/O  User replaceable module. Charger/DC power-in, 2x USB 3.0 Type A host  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/ac/n (2.4 GHz/5 GHz ISM radio band)  Bluetooth  BT 2.1 + EDR, BT 4.1  Camera  GNSS  Sensors  3-axis accelerometer, magnetic sensor, ambient light sensor, gyroscope	ELEC	TRICAL SPECIFICATIONS
Storage 128 GB SSD eMMC  Expansion via SDXC card up to 256 GB  2 x 3100 mAh (22.53 Wh) min. capacity/3150 mAh (22.90 Wh) nominal capacity; removable, hot swappable, charge LED indicator  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 19 V/5 A charging  Notification LED Charging and power status  7-inch, 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  Keypad 5-way directional, 4 Fn, Windows, Power, Volume physical keys  Speaker and dual digital microphone array with noise reduction  External speaker/ microphone  1/O User replaceable module. Charger/DC power-in, 2x USB 3.0 Type A host  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/ac/n (2.4 GHz/5 GHz ISM radio band)  Bluetooth BT 2.1 + EDR, BT 4.1  Camera Rear camera 8 MP autofocus with flash Front camera 2 MP fixed-focus  Integrated u-blox NEO-M8T, L1, GPS/GLONASS/BeiDou, SBAS  3-axis accelerometer, magnetic sensor, ambient	Processor	Intel Apollo Lake - N4200, 64-bit quad-core
Expansion  via SDXC card up to 256 GB  2 x 3100 mAh (22.53 Wh) min. capacity/3150 mAh (22.90 Wh) nominal capacity; removable, hot swappable, charge LED indicator  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  19 V/5 A charging  Notification LED  Charging and power status  7-inch, 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  Keypad  Keypad  Audio  Speaker and dual digital microphone array with noise reduction  External speaker/ microphone  1/O  User replaceable module. Charger/DC power-in, 2x USB 3.0 Type A host  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/ac/n (2.4 GHz/5 GHz ISM radio band)  Bluetooth  BT 2.1 + EDR, BT 4.1  Camera  Rear camera 8 MP autofocus with flash Front camera 2 MP fixed-focus  Integrated u-blox NEO-M8T, L1, GPS/GLONASS/ BeiDou, SBAS  3-axis accelerometer, magnetic sensor, ambient	Memory	8 GB RAM
Batteries 2 x 3100 mAh (22.53 Wh) min. capacity/3150 mAh (22.90 Wh) nominal capacity; removable, hot swappable, charge LED indicator  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 19 V/5 A charging  Notification LED Charging and power status  7-inch, 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  Keypad 5-way directional, 4 Fn, Windows, Power, Volume physical 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. Charger/DC power-in, 2x USB 3.0 Type A host  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/ac/n (2.4 GHz/5 GHz ISM radio band)  BI 2.1 + EDR, BT 4.1  Camera Rear camera 8 MP autofocus with flash Front camera 2 MP fixed-focus  Integrated u-blox NEO-M8T, L1, GPS/GLONASS/ BeiDou, SBAS  3-axis accelerometer, magnetic sensor, ambient	Storage	128 GB SSD eMMC
Batteries  (22.90 Wh) nominal capacity; removable, hot swappable, charge LED indicator  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  19 V/5 A charging  Notification LED  Charging and power status  7-inch, 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  Keypad  Keypad  S-way directional, 4 Fn, Windows, Power, Volume physical keys  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. Charger/DC power-in, 2x USB 3.0 Type A host  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/ac/n (2.4 GHz/5 GHz ISM radio band)  BI uetooth  BT 2.1 + EDR, BT 4.1  Camera  Rear camera 8 MP autofocus with flash Front camera 2 MP fixed-focus  Integrated u-blox NEO-M8T, L1, GPS/GLONASS/ BeiDou, SBAS  3-axis accelerometer, magnetic sensor, ambient	Expansion	via SDXC card up to 256 GB
Battery life  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  19 V/5 A charging  Notification LED  Charging and power status  7-inch, 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  Keypad  Keypad  Speaker and dual digital microphone array with noise reduction  External speaker/microphone  1/O  User replaceable module. Charger/DC power-in, 2x USB 3.0 Type A host  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/ac/n (2.4 GHz/5 GHz ISM radio band)  Bluetooth  BT 2.1 + EDR, BT 4.1  Camera  Rear camera 8 MP autofocus with flash Front camera 2 MP fixed-focus  Integrated u-blox NEO-M8T, L1, GPS/GLONASS/BeiDou, SBAS  3-axis accelerometer, magnetic sensor, ambient	Batteries	(22.90 Wh) nominal capacity; removable, hot
Power input  19 V/5 A charging  Notification LED  Charging and power status  7-inch, 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  Keypad  5-way directional, 4 Fn, Windows, Power, Volume physical 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. Charger/DC power-in, 2x USB 3.0 Type A host  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/ac/n (2.4 GHz/5 GHz ISM radio band)  Bluetooth  BT 2.1 + EDR, BT 4.1  Camera  Rear camera 8 MP autofocus with flash Front camera 2 MP fixed-focus  Integrated u-blox NEO-M8T, L1, GPS/GLONASS/BeiDou, SBAS  Sensors  3-axis accelerometer, magnetic sensor, ambient	Battery life	4–7 hours (depending on display settings, connectivity, data processing, ambient
Notification LED  Charging and power status  7-inch, 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  Keypad  5-way directional, 4 Fn, Windows, Power, Volume physical keys  Audio  Speaker and dual digital microphone array with noise reduction  External speaker/ microphone  1/O  User replaceable module. Charger/DC power-in, 2x USB 3.0 Type A host  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/ac/n (2.4 GHz/5 GHz ISM radio band)  Bluetooth  BT 2.1 + EDR, BT 4.1  Camera  Rear camera 8 MP autofocus with flash Front camera 2 MP fixed-focus  Integrated u-blox NEO-M8T, L1, GPS/GLONASS/BeiDou, SBAS  3-axis accelerometer, magnetic sensor, ambient	Charging time	Full-charge 3.5 hours, fast-charge (80 %) 1 $^{3\!\!/}_{2}$ hours
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Sunlight readable. LED backlit, Gorilla® Glass 3.0, 10 point capacitive multitouch with stylus, touch, and glove mode  Keypad  5-way directional, 4 Fn, Windows, Power, Volume physical 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. Charger/DC power-in, 2x USB 3.0 Type A host  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/ac/n (2.4 GHz/5 GHz ISM radio band)  Bluetooth  BT 2.1 + EDR, BT 4.1  Camera  Rear camera 8 MP autofocus with flash Front camera 2 MP fixed-focus  Integrated u-blox NEO-M8T, L1, GPS/GLONASS/BeiDou, SBAS  Sensors  3-axis accelerometer, magnetic sensor, ambient	Notification LED	Charging and power status
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Audio  External speaker/ microphone  3.5 mm mini-jack or wireless headset  I/O  User replaceable module. Charger/DC power-in, 2x USB 3.0 Type A host  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/ac/n (2.4 GHz/5 GHz ISM radio band)  Bluetooth  BT 2.1 + EDR, BT 4.1  Camera  Rear camera 8 MP autofocus with flash Front camera 2 MP fixed-focus  Integrated u-blox NEO-M8T, L1, GPS/GLONASS/ BeiDou, SBAS  3-axis accelerometer, magnetic sensor, ambient	Keypad	
microphone  User replaceable module. Charger/DC power-in, 2x USB 3.0 Type A host  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/ac/n (2.4 GHz/5 GHz ISM radio band)  Bluetooth  BT 2.1 + EDR, BT 4.1  Camera  Rear camera 8 MP autofocus with flash Front camera 2 MP fixed-focus  Integrated u-blox NEO-M8T, L1, GPS/GLONASS/BeiDou, SBAS  3-axis accelerometer, magnetic sensor, ambient	Audio	
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Camera Rear camera 8 MP autofocus with flash Front camera 2 MP fixed-focus  GNSS Integrated u-blox NEO-M8T, L1, GPS/GLONASS/BeiDou, SBAS  Sensors 3-axis accelerometer, magnetic sensor, ambient	Wi-Fi	802.11 a/b/g/ac/n (2.4 GHz/5 GHz ISM radio band)
GNSS Integrated u-blox NEO-M8T, L1, GPS/GLONASS/BeiDou, SBAS  3-axis accelerometer, magnetic sensor, ambient	Bluetooth	BT 2.1 + EDR, BT 4.1
BeiDou, SBAS  Sensors  3-axis accelerometer, magnetic sensor, ambient	Camera	
Sensors	GNSS	
	Sensors	9

Specifications subject to change without notice.

















03-9243385 : פקס | 03-9243352 | פקס 7042 .ד.ח' אודם 14, ת.ד. 7042 פ"ת | טל: 9243352 | sales@hypertech.co.il | www.hypertech.co.il NORTH AMERICA

Trimble Inc. 10368 Westmoor Dr Westminster CO 80021 USA

#### **EUROPE**

Trimble Germany GmbH Am Prime Parc 11 65479 Raunheim GERMANY

#### ASIA-PACIFIC

Trimble Navigation Singapore PTE Limited 3 HarbourFront Place #13-02 HarbourFront Tower Two Singapore 099254 SINGAPORE

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