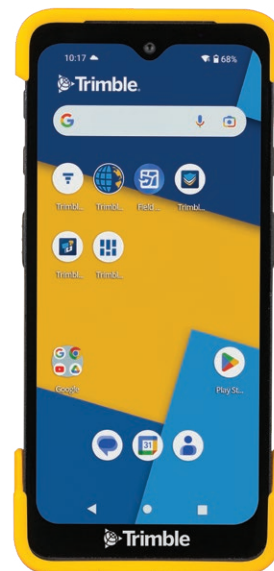


Trimble TDC6

DATA COLLECTOR

The Trimble® TDC6 data collector is a powerful, versatile and cost-effective field data collection solution for surveying and mapping professionals. Use the TDC6 standalone as a GIS data collector, paired with a GNSS receiver or as an onboard total station controller.



Specifications

PHYSICAL

Size 6.7 in (H) × 3.2 in (W) × 0.95 in (D) (with bumpers)
(172 mm (H) × 81.2 mm (W) × 24.3 mm (D) (with bumpers))

Weight 287 g (with standard battery and bumpers)

SYSTEM

Processor 2.7 GHz Qualcomm 6490

Core Octa-core 64 bit

Clock frequency 8× Kryo 670 CPU from 1.9 up to 2.7 GHz

Memory 6 GB RAM

Data storage 128 GB

SD support, expansion capability microSD slot with SDHC and support up to 256 GB

Battery type Hot-swappable Li-Ion battery

Battery capacity 5100 mAh @ 3.8 V

Backup battery Backup battery keeps applications active up to 1 minute to support hot-swap functionality

Battery life 5000 mAh, 9 hours of normal use with screen 100%

Battery self-discharge (typical) <140µA@BAT>2.5 V, <26µA@BAT<2.5 V

Battery storage Suggested re-charge period is 3 months



Trimble TDC6

Data Collector

Specifications cont.

Charging time	4 hours, USB PD charging	
I/O interface	Bottom: USB Type-C USB3.1 Gen 1 Type-C support USB OTG, DRP, DRD and DP (Display Port) function	
INPUT/OUTPUT		
User interface keys	1. Volume up/down key, power button, programmable key 2. Three touch key on touch panel (back/home/recent) 3. Left and right trigger buttons	
Display/screen type/touch	Gorilla® 3 Glass, color multi-touch user interface with capacitive, stylus (5 mm), glove, wet-finger compatibility	
Screen size	20.9 mm (6.3 in)	
Resolution	2160 × 1080 (FHD+)	
LCD brightness	Backlight minimum 450 nits (500 nits typical)	
Audio	Audio jack through USB-C Bluetooth audio	
Microphone	2 integrated microphones, supports noise canceling	
Speaker	Integrated 1.5 Watt speaker	
Rear Camera	16 MP with auto-focus and LED flash, Support Google® ARcore & Depth API	
Front camera	5 MP with fixed focus	
WWAN	Integrated 5G cellular data & SMS capability	
SIM	Nano-SIM × 2	
Cellular bands	5G	FR1 Sub 6 GHz:N1/N2/N3/N5/N28/N41/N71/N77/N78/N79 4×4 DL MIMO: N1/N2/N3/N41/N77/N78/N79
	4G	LTE Advanced Support, up to 100 Mbps CAT12 LTE downlink/uplink LTE (FDD) – Bands 1, 2, 3, 4, 5, 7, 8, 12, 17, 20, 28, 71 LTE (TDD) – Bands 38, 39, 40, 41
	3G	UMTS/HSPA+ – Bands 1, 2, 5, 8
	2G	G
Wi-Fi®	Wi-Fi 6E, 2.4 GHz & 5 GHz & 6 GHz IEEE 802.11a/b/g/n/ac/d/h/i/k/r/v/ac/ax (MIMO 2×2) Security WPA3, WPA2, WPA & WEP	
Bluetooth®	Bluetooth 5.2, BLE5, Class 1	
NFC	ISO14443-4 (Type A, Type B), ISO15693, Mifare, Felica (ISO/IEC18092) Supports Read/Write & Card emulation modes	
Sensors	G-sensor (accelerometer), proximity + light sensor, e-compass, gyroscope	



Trimble TDC6

Data Collector

GNSS	
Satellites	GPS, GLONASS, Galileo, BeiDou, QZSS, L1 + L5
Internal GNSS receiver accuracy	2-4 meters
External antenna connector	No
OPERATING SYSTEM	
Operating system	Android™ 14 with Google Mobile Services Quarterly Android security updates - through the end of 2028 ARCore AER
SOFTWARE & HARDWARE COMPATIBILITY	
Supported software	Trimble TerraFlex®, Trimble Access™, Trimble Penmap® for Android, Esri® ArcGIS® Field Maps, Trimble Forensics Capture, Esri ArcGIS Survey123, Esri ArcGIS QuickCapture
Supported hardware	Current GNSS systems, mechanical total station and robotic total stations
STANDARD ACCESSORIES	
Included in the box	TDC6 handheld, battery pack, bumpers, screen protector, USB cable, QR code card linked to help portal
OPTIONAL ACCESSORIES	
Accessory parts	Battery pack, bumpers, screen protectors, USB cable, AC adapter, magnetic pole mount/ bracket, non-magnetic pole mount/bracket
ENVIRONMENTAL	
Operating Temperature	-4 °F to +131 °F (-20 °C to +55 °C) MIL-STD 810H, Method 501.7 & 502.7 Procedure II
Storage Temperature	Without battery -40 °F to +158 °F (-40 °C to +70 °C)
	With battery -4 °F to +113 °F (-20 °C to +45 °C) (within 30 days) 32 °F to +86 °F (0 °C to +30 °C) (within 90 days) 59 °F to 77 °F (15 °C to 25 °C) (within 365 days)
	MIL-STD 810H, Method 501.7 & 502.7 Procedure I
Battery storage	-4 °F to +113 °F (-20 °C to +45 °C) 1 month -4 °F to +95 °F (-20 °C to +35 °C) 3 months -4 °F to +77 °F (-20 °C to +25 °C) 12 months
Charging temperature	32 °F to 140 °F (0 °C to +60 °C)
Water and dust	IP67 IEC 60529
Drop	26 drops (each face, edge & corner) at room temperature from 1.22 m (4 ft) onto plywood 6 faces drops at -4 °F and +131 °F (-20 °C and +55 °C) MIL-STD-810H, Method 516.8 Procedure IV
Humidity	86 °F/140 °F (30 °C/60 °C), 95% RH MIL-STD 810H, Method 507.6 Procedure II

Trimble TDC6

Data Collector

Vibration	General Minimum Integrity and Loose Cargo MIL-STD 810H Method 514.8 Procedures I & II
Altitude (low pressure)	Storage -22 °F (-30 °C), 40,000 ft (12192 m) Operational +41 °F (+5 °C), 30,000 ft (9144 m) MIL-STD 810H, Method 500.6 Procedures I & II
Temperature shock	Cycles from -40 °F to +158 °F (-40 °C to +70 °C)
Solar radiation (sunshine)	3 and 56 days exposure MIL-STD 810H, Method 505.7 Procedure I and II
Other	ESD 8KV / 15KV
MANUFACTURE LOCATION	
Made in Taiwan, TAA/GSA compliant	

Trimble Protected protection 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.



Trimble Inc.
10368 Westmoor Drive
Westminster, CO 80021
USA
trimble.com



© 2024–2026, Trimble Inc. All rights reserved. Trimble, the Globe & Triangle logo and TerraFlex are trademarks of Trimble Inc., registered in the United States and in other countries. Penmap is a trademark of Trimble Inc, registered in the United Kingdom. Trimble Access is a trademark of Trimble Inc. Google, Google Play, Android and other marks are trademarks of Google LLC. The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Trimble Inc. is under license. Galileo is developed under a License of the European Union and the European Space Agency. All other trademarks are the property of their respective owners. PN 022516-708F (05/26)