



# Trimble TDC600

HANDHELD



## KEY FEATURES

- ▶ All-in-one GNSS data collector and smartphone
- ▶ Android™ 10 operating system
- ▶ 6-inch high resolution sunlight-readable display
- ▶ Powerful Qualcomm® processor with 4 GB RAM and 64 GB internal storage
- ▶ Large capacity, user replaceable all day battery
- ▶ Real-time positioning with built-in GNSS receiver
- ▶ Google Mobile Services certified with access to Google Play™ store apps
- ▶ Ultra-rugged design with MIL-STD-810G certification
- ▶ 4G LTE, Wi-Fi, Bluetooth® connectivity options for voice calls and data
- ▶ Ergonomic, lightweight and slim form factor
- ▶ Front- and rear-facing cameras
- ▶ Supports the Trimble® Catalyst™ and Trimble R Series GNSS receivers
- ▶ Runs Trimble TerraFlex®, Trimble Access™, third-party or custom-developed field applications

**Learn more: [geospatial.trimble.com/tdc600](https://geospatial.trimble.com/tdc600)**



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## STANDARD FEATURES

### SYSTEM

- Integrated 4G cellular data, text and voice capability
- 5 MP front camera and 13 MP rear camera
- Bluetooth v 4.1
- Wi-Fi IEEE 802.11 a/b/g/n/ac, 2.4 GHz / 5 GHz dual-band
- 6.0 inch LED-backlight screen with capacitive multi-touch
- Long-life user replaceable Li-Ion battery
- 2.2 GHz Qualcomm Snapdragon™ 626 processor
- 4 GB RAM
- 64 GB flash memory<sup>1</sup>
- 1 MicroSDHC memory card slot
- Integrated speaker and microphone

### OPERATING SYSTEM

- Android 10
- Languages available: Afrikaans, Azerbaijani, Bulgarian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Italian, Korean, Lithuanian, Norwegian (Bokmål), Polish, Portuguese (Portugal and Brazil), Romanian, Russian, Serbian (Cyrillic), Simplified Chinese, Spanish, Swedish, Turkish
- Software package includes: Google Mobile Services
- Android Security Updates provided until December 2024

### COMMUNICATIONS<sup>2</sup>

- Cellular: GSM (850/900/1800/1900), WCDMA (B1/B2/B5/B8), LTE-FDD (B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B25/B28), LTE-TDD (B38/B39/B40/B41), TD-SCDMA (B34/B39)
- Wi-Fi IEEE 802.11 a/b/g/n/ac
- Bluetooth 4.1
- NanoSIM x 2
- USB 3.0 (Type-C)
- NFC (13.56 MHz)

### STANDARD ACCESSORIES

- Hand strap
- A/C charger
- USB cable
- Lanyard

### OPTIONAL ACCESSORIES

- External magnetic GPS antenna
- Pole bracket
- Replacement batteries
- Dual battery charger

### SOFTWARE COMPATIBILITY

Please refer to the Product Compatibility matrix. ([www.trimble.com/mappingGIS/productcompatibility](http://www.trimble.com/mappingGIS/productcompatibility))

## TECHNICAL SPECIFICATIONS

### PHYSICAL

Size	196 mm x 93.4 mm x 17.2 mm (7.7 in x 3.6 in x 0.67 in)
Weight	0.38 kg (0.9 lbs)
Processor	Qualcomm Snapdragon 626, Octa-core, Clock frequency: 2.2 GHz
Memory	4 GB RAM
Storage <sup>1</sup>	64 GB
User Interface Keyboard	2 volume keys, power key, 4 programmable keys, standard Android touch panel 3 buttons, on-screen keyboard
Battery	Li-Ion removable battery Standard capacity 8000 mAh
Battery life	15 hours @ 20° C (68 °F) with GPS on
Charging time	4 hours

### ENVIRONMENTAL

Temperature	
Operating	-20 °C to +55 °C (-4 °F to +131 °F)
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Humidity	95% non-condensing
Water & dust proof	IP67
Free drop	1.2 m (3.9 ft) (MIL-STD-810G)

### INPUT/OUTPUT

Expansion	MicroSDHC memory card (up to 256 GB)
Display	Gorilla Glass 3, Optically bonded, AF coated, auto rotate
Size	6.0" capacitive multi-touch
Resolution	1920 x 1080 pixels
Brightness	450 Cd/m <sup>2</sup>
Audio	Built-in microphone and speaker Audio jack through USB-C Pogo pin connector
I/O	USB 3.0, external antenna connector
Digital camera	
Rear camera	13 MP with auto-focus and LED flash
Front camera	5 MP with fixed focus
Sensors	Ambient light sensor, digital compass, gyrometer, accelerometer, barometer

### GNSS

GNSS Receiver	U-blox Neo-M8T
Internal antenna: 72 channels	GPS L1 C/A, GLONASS, BeiDou, SBAS
Integrated real-time	SBAS (WAAS/EGNOS/MSAS/GAGAN/QZSS)
Tri constellation system	GPS/GAL, GPS/GLO/GAL or GPS/BeiDou/GAL
External antenna connector	Yes
Protocol	Location Services NMEA output (optional)

### ACCURACY SPECIFICATIONS (HORIZONTAL RMS)<sup>3</sup>

Real-time SBAS <sup>4</sup>	<1.5 m (4.9 ft) typical
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- 1 The actual available capacity of the internal memory is less than the specified capacity because the operating system and default applications occupy part of the memory. The available capacity may change when you upgrade applications or the device.
- 2 Bluetooth, wireless LAN and cellular type approvals are country specific. Trimble TDC600 handheld has Bluetooth, wireless LAN and cellular approval in North America and EU. For other countries, please consult your local Distributor.
- 3 Horizontal Root Mean Squared accuracy. Requires data to be collected using vertical mounting, minimum of 4 satellites, PDOP mask at 99, SNR mask at 12 dBHz, elevation mask at 5 degrees, and reasonable multipath conditions. Ionospheric conditions, multipath signals or obstruction of the sky by buildings or heavy tree canopy may degrade precision by interfering with signal reception.
- 4 SBAS (Satellite Based Augmentation System). Includes WAAS (Wide Area Augmentation System) available in North America only, EGNOS (European Geostationary Navigation Overlay System) available in Europe only, and MSAS available in Japan only.

Specifications subject to change without notice.



Contact your local Trimble Authorized Distribution Partner for more information

**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

