



Trimble TDC600

HANDHELD



KEY FEATURES

- ▶ All-in-one GNSS data collector and smartphone
- ▶ Android™ 8.0 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™ service and Trimble R2 and R1 GNSS receivers
- ▶ Runs Trimble, third-party or custom-developed field applications



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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 memory¹
- 1 MicroSD memory card slot
- Integrated speaker and microphone

OPERATING SYSTEM

- Android 8.0 (Oreo)
- 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

COMMUNICATIONS²

- 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

STANDARD ACCESSORIES

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

OPTIONAL ACCESSORIES

- External magnetic GPS antenna
- Pole bracket
- Replacement batteries

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	385 g (13.6 oz)
Processor	Qualcomm Snapdragon 626, Octa-core, Clock frequency: 2.2 GHz
Memory	4 GB RAM
Storage ¹	64 GB
User Interface Keyboard	2 volume keys, power key 3 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 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	P67
Free drop	1.2 m (MIL-STD-810G)

INPUT/OUTPUT

Expansion	MicroSD memory card (up to 256 GB)
Display	Optically bonded, AF coated, auto rotate
Size	6.0" capacitive multi-touch
Resolution	1920 x 1080
Brightness	500 Cd/m ²
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

ACCURACY SPECIFICATIONS (HORIZONTAL RMS)³

Real-time SBAS ⁴	1.5 m 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 Reseller.
- 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.

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