



Trimble TDC100

SERIES

IS IT A SMARTPHONE OR RUGGED GNSS HANDHELD? ACTUALLY, IT'S BOTH.

The Trimble® TDC100 handheld combines a 4G smartphone and Trimble GNSS data collection technology in one rugged device. It's ideal for fast, reliable data collection at accident sites and crime scenes, and delivers exceptional results for any forensics application.

Carry just one device.

The Trimble TDC100 is the compact, cost-efficient device law enforcement investigators have been waiting for. It makes work in the field easier, more accurate and more productive. There's no need to juggle multiple devices, no need to use equipment that isn't designed for the task. The Trimble TDC100 handles everything from collecting data to sharing information and making calls.

Discover smarter data collection and easier sharing.

As you'd expect, Trimble's Android-based TDC100 handheld delivers far greater GNSS capabilities than standard smartphones. The built-in GNSS receiver provides spatial GIS data with 2 m to 5 m, real-time positioning accuracy, and supports GPS, GLONASS and Beidou constellations. Plus, it takes advantage of SBAS augmentation, where available.

The TDC100 handheld's smartphone capability lets you run the mobile apps you need to make your workday easier and more productive. Enhance your unique workflows with Trimble apps such as Trimble Forensics Capture plus any third-party or custom-developed apps you prefer by downloading them from the Google Play Store.

With the TDC100, you can share data and updates in real time. Simply use cloud-based data sharing via Trimble Forensics Capture or a similar app, or touch base with other personnel by phone. Efficient communication minimizes downtime and errors, and eliminates trips back to the office.

Get ultra-reliability and efficiency in the field.

With the TDC100, you can finally take a smartphone to the field without fear—of dirt, water, or damage from an accidental drop. This rugged device will keep you working, whatever the conditions, thanks to features such as these:

- ▶ Superior protection from dust and moisture ingress that earned an IP-67 environmental rating
- ▶ Large (5.3 inch) display that's easy to read, even in bright sunlight and through polarized sunglasses
- ▶ Standard or enhanced-capacity batteries that are user replaceable, allowing you to keep working until you finish the job
- ▶ An integrated camera that takes vivid geo-referenced photos to document assets or conditions, enabling you to share information with others

Work with reliable data from Trimble.

The TDC100 handheld is a smart investment in a single device. It opens the door to efficient, high-quality GNSS data collection technology. With rock-solid workflows via Trimble software and other mobile apps, the TDC100 gives you the confidence to collect crime and accident scene evidence that is precise, robust and reliable.

Key Features

- ▶ Smartphone and GNSS data collector combined so you can work smarter with mobile apps right at your fingertips
- ▶ Rugged, with a daylight readable display and user replaceable battery so you can collect and share accurate data, in any weather, all day long



Trimble TDC100 SERIES

Product Models	TDC100 (Wi-Fi)	TDC100 (4G)
Cellular voice & data	No	Yes
WLAN (Wi-Fi)	Yes	Yes
Integrated camera with flash	8 MP	13 MP
Memory storage	8 GB	16 GB
Battery capacity	3100mAh	4800mAh

STANDARD FEATURES

SYSTEM

- Integrated 4G cellular data, text and voice capability (4G model)
- 13 MP (4G model) and 8 MP (Wi-Fi model) camera with geotagging and flash light
- High-sensitivity GNSS/SBAS receiver and antenna
- Bluetooth® v 4.0
- Wi-Fi IEEE 802.11 b/g/n
- Capacitive multi-touch 5.3 inch bright, sunlight-readable Gorilla Glass display
- Long-life user replaceable Li-Ion battery (standard or enhanced capacity)
- 1.2 GHz Qualcomm™ processor
- 2 GB SDRAM
- 16 GB (4G) and 8 GB (Wi-Fi model) flash memory¹
- 1 MicroSDHC memory card slot
- Integrated speaker and microphone

OPERATING SYSTEM

- Android® 6.0 (Marshmallow)
- Languages available: Afrikaans, English, Spanish, French, Italian, Portuguese (Portugal and Brazil), German, Greek, Korean, Polish, Simplified Chinese, Russian, Azerbaijani, Czech, Danish, Lithuanian, Hungarian, Dutch, Norwegian (Bokmål), Romanian, Finnish, Swedish, Turkish, Bulgarian, Serbian (Cyrillic), Hindi, Polish
- Software package includes: Google Mobile Services, SatLook

COMMUNICATIONS²

- Cellular: GSM (850/900/1800/1900), GPRS, EDGE, UMTS, WCDMA (B1/B2/B5/B8), TD-SCDMA (B34/B39), LTE-FDD (B1/B3/B4/B5/B7/B8/B20), LTE-TDD (B38/B39/B40/B41) (Not available on Wi-Fi model)
- Wi-Fi IEEE 802.11 b/g/n
- Bluetooth 4.0
- USB (micro B USB connector)
- NFC (not supported in Wi-Fi model)

STANDARD ACCESSORIES

- Lanyard
- Screen protectors (x2)
- A/C charger
- USB cable

OPTIONAL ACCESSORIES

- External magnetic GPS antenna
- Pole bracket
- Replacement batteries and covers

SOFTWARE COMPATIBILITY

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

TECHNICAL SPECIFICATIONS

PHYSICAL

Size 164 mm x 82 mm x 14.6 mm (6.45 in x 3.22 in x 0.57 in)
 Weight 310 g (10.9 oz) with extended capacity battery
 (278 g (9.8 oz) for Wi-Fi model with standard capacity battery)
 Processor Qualcomm Snapdragon 410, Quad-core, Clock frequency: 1.2 GHz
 Memory 2 GB SDRAM
 Storage¹: 16 GB (non-volatile), (8 GB for Wi-Fi model)
 User Interface Keyboard 2 volume keys, on/off/reset key,
 2 programmable keys, standard Android touch panel 3 buttons,
 On screen keyboard
 Battery Li-Ion removable battery
 Standard capacity 3100mAh (default in Wi-Fi model)
 Enhanced capacity 4800mAh (default in 4G model)
 Battery life > 15 hours @ 20° C with GPS on³
 Charging time 4 hours

ENVIRONMENTAL

Temperature
 Operating -20 °C to +60 °C (-4 °F to +140 °F)
 Storage -30 °C to +70 °C without battery (-22 °F to +158 °F)
 Humidity 95% non-condensing
 Water & Dust proof IP67
 Free drop 1.2 m on concrete

INPUT/OUTPUT

Expansion MicroSDHC™ memory card
 (up to 64 GB, SanDisk®, Kingston® recommended)
 Display Gorilla Glass damage-resistant, auto rotate
 Size: 5.3" capacitive multi-touch
 Resolution: 1280x720px
 Brightness: 450 Cd/m²
 Audio Built-in microphone and speaker
 Audio jack 2.5 plug (CTIA/AHJ standards)
 Pogo pin connector
 I/O USB 2.0 (micro), external antenna connector
 Digital camera
 Rear camera 13 MP with flash light (8 MP on Wi-Fi model)
 Front camera 2 MP
 Sensors E-Compass (not supported in Wi-Fi model)
 G-Sensor, light sensor

GNSS

Internal antenna: 72 channels GPS L1 C/A, GLONASS, GALILEO E1, 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)⁴

Real-time SBAS⁵ < 1.5 m typical

- 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 TDC100 handhelds have Bluetooth, wireless LAN and cellular approval in North America and EU. For other countries, please consult your local Reseller.
- 3 With Enhanced Capacity Battery. Using wireless technology, such as Bluetooth or wireless LAN will consume additional battery power. Backlight setting at 70% brightness.
- 4 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.
- 5 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 Pty Limited
 80 Marine Parade Road
 #22-06, Parkway Parade
 Singapore 449269
 SINGAPORE

