TRIMBLE GEOEXPLORER 6000 SERIES

THE ACCURACY YOU NEED ANYWHERE YOU NEED IT

Bringing together the essential functionality for productive GIS data collection in one device, the Trimble® GeoExplorer® 6000 series also delivers positioning accuracy in challenging GNSS situations such as under trees and near buildings with Trimble Floodlight™ technology. Wherever you work, it just works.

Accurate, productive, reliable data collection

Integrating both a GPS/GLONASS receiver and a dual frequency GNSS antenna, the Trimble GeoExplorer 6000 series delivers accuracy you can depend on to record new assets, or reliably navigate back to previously recorded locations.

Used with Trimble’s range of powerful field and office software, GeoExplorer 6000 series handhelds allow you to work faster and in more places than ever before. The Trimble GeoExplorer series can deliver down to centimeter accuracy—either postprocessed or in real time for the confidence the job is done right while still on site.

KeY FEATUREs

Trimble Floodlight satellite shadow reduction technology
More positions and increased accuracy in tough environments

Sunlight readable display
For unmatched clarity in bright sunlight

3.5G cellular capability
High-speed Internet connectivity in the field

5 megapixel autofocus camera
Capture high quality photographs and link directly to features

Field-swappable battery
All day operation and the convenience of swap-and-go battery replacement

Designed for work, wherever you work

The Trimble GeoExplorer series works for the way you work. The built-in 5 megapixel autofocus camera, with geotagging capability, gives you one of the best ways to capture information about an asset, event, or site. A sunlight-optimized display maintains exceptional clarity in all outdoor conditions for crisp on screen text and images. And you can stay connected with an optional integrated 3.5G cellular modem for continuous network and Internet access to real-time map data, web-based services, Trimble VRS™ corrections, and live update of field information.
TRIMBLE GEOEXPLORER
6000 SERIES

PRODUCT MODELS

<table>
<thead>
<tr>
<th></th>
<th>GeoXT</th>
<th>GeoXT</th>
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<tbody>
<tr>
<td><strong>Accuracy</strong></td>
<td>Decimeter/Centimeter</td>
<td>Submeter</td>
</tr>
<tr>
<td><strong>Floordight</strong></td>
<td>Yes</td>
<td>Optional</td>
</tr>
<tr>
<td><strong>Cellular modem</strong></td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td><strong>Camera</strong></td>
<td>5 MP</td>
<td>5 MP</td>
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**GNSS**

Receiver Trimmers Maxwell™ 6 GNSS chipset
Channels 220 channels
Systems GPS, GLONASS

Update rate 1 Hz
Time to first fix 45 s (typical)
NMEA-0183 support Optional
Trimble Floodlight technology Optional
RTCNAV support RTCMV2.x, RTCM3.x
CMR support CMRC/CMR+/CMRlx

**GeoXT handsets**

GPS GLONASS L1C/A, L1P
GLONASS L1C/A, L1P

**GeoHx handsets**

GPS L1C/A, L2C, L2E
GLONASS L1C/A, L1P, L2C/A, L2P

**GNSS ACCURACY**

Real-time Centimeter output
Horizontal (external antenna) 1 cm + 1 ppm
Vertical (external antenna) 1.5 cm + 2 ppm
Horizontal (internal antenna) 2.5 cm + 1.2 ppm
Vertical (internal antenna) 4 cm + 2 ppm

Postprocessed Centimeter output
Horizontal (external antenna) 1 cm + 1 ppm
Vertical (external antenna) 1.5 cm + 1 ppm
Horizontal (internal antenna) 2.5 cm + 1.2 ppm
Vertical (internal antenna) 4.5 cm + 1.5 ppm

All GeoHx configurations

Real-time and postprocessed H-Star (Horizontal RMS)
H-Star 10 cm + 1 ppm

All GeoHx and GeoXT configurations

Real-time DGNS (Horizontal RMS)
Code 0.75 cm + 1 ppm
SBAS (WAAS/EGNOS/MSAS) typically < 1 m

Postprocessed DGNS (Horizontal RMS)
Carrier (after 45 minutes) 1 cm + 2 ppm

ENVIRONMENTAL (MIL-STD-810G)
Drop shock 1.2 m (4 ft) to plywood over concrete
Functional shock Method 516.6 Procedure I
Vibration Method 514.6 Procedure I
Relative humidity 95% non-condensing
Maximum operating altitude 9,000 m (29,000 ft)
Maximum storage altitude 12,000 m (40,000 ft)

TEMPERATURE
Operation –20 °C to +60 °C (–4 ºF to +140 ºF)
Storage –30 °C to +70 °C (–22 ºF to +158 ºF)

INGRESS PROTECTION
Water/dirt IP65

SIZE AND WEIGHT
Height 234 mm (9.2 in)
Width 99 mm (3.9 in)
Depth 56 mm (2.2 in)
Weight (inc. battery) 925 g (2.0 lb)

BATTERY

Type Rechargeable, removable Li-Ion
Capacity 11.1 V 2.5 AH
Charge time 4 hours (typical)

BATTERY RUN TIME

<table>
<thead>
<tr>
<th></th>
<th>GeoXT</th>
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</thead>
<tbody>
<tr>
<td><strong>GNSS</strong></td>
<td>9 hours</td>
<td>11 hours</td>
</tr>
<tr>
<td><strong>GNSS &amp; Wi-Fi</strong></td>
<td>8 hours</td>
<td>9.5 hours</td>
</tr>
<tr>
<td><strong>GNSS &amp; cellular</strong></td>
<td>6.5 hours</td>
<td>7 hours</td>
</tr>
<tr>
<td><strong>Standby time</strong></td>
<td>50 days</td>
<td>50 days</td>
</tr>
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CONNECTORS & INPUTS

- Internal microphone and speaker
- Mini USB connector
- DE-9 serial via optional USB to serial converter
- External power connector
- SIM socket
- SDHC card socket

CAMERA

Still mode Autofocus 5 MP
Still image format JPG
Video mode Up to VGA resolution
Video file format WMV with audio

CELLULAR & WIRELESS

UMTS/HSDPA 850/900/2100 MHz
GPRS/EDGE 850/900/1800/1900 MHz
Wi-Fi 802.11 b/g
Bluetooth 2.1 + EDR

DISPLAY
Type Transflective LED-backlit LCD
Size 4.2” (diagonal)
Resolution 480 x 800
Luminance 280 cd/m²

HARDWARE

Processor TI OMAP 3503
RAM 256 MB
Flash 2 GB
External storage SD/SDHC up to 32 GB

LANGUAGES

English, Spanish, French, German, Italian, Portuguese (Brazilian), Chinese (Simplified), Korean, Japanese, Russian

IN THE BOX

GeoExplorer 6000 series handheld, rechargeable battery pack, pouch and strap, USB data cable, AC power adaptor, screen protector kit, spare stylus and tether, documentation

OPTIONAL ACCESSORIES

- Trimble Zephyr Model 2 external GNSS antenna
- Trimble Torando™ external GNSS antenna
- Trimble Tempest™ external GNSS antenna
- Vehicle power supply
- 1.5 m & 5 m external antenna cable
- Range pole kit for external antenna
- Carbon fiber monopole kit
- Backpack kit for external antenna

SOFTWARE COMPATIBILITY

- Trimble TerraSync software
- Trimble GPS Pathfinder® Office software
- Trimble Positions™ software suite
- Trimble GPScorrect™ extension for Esri ArcPad software
- Trimble GPS Analyst® extension for Esri ArcGIS for Desktop software
- Trimble GPS Controller software
- Trimble TrimPix™ Pro system
- Custom applications built with a Mobile GIS Developer Community software development kit (SDK)
- Third party NMEA-based applications

Specifications subject to change without notice.