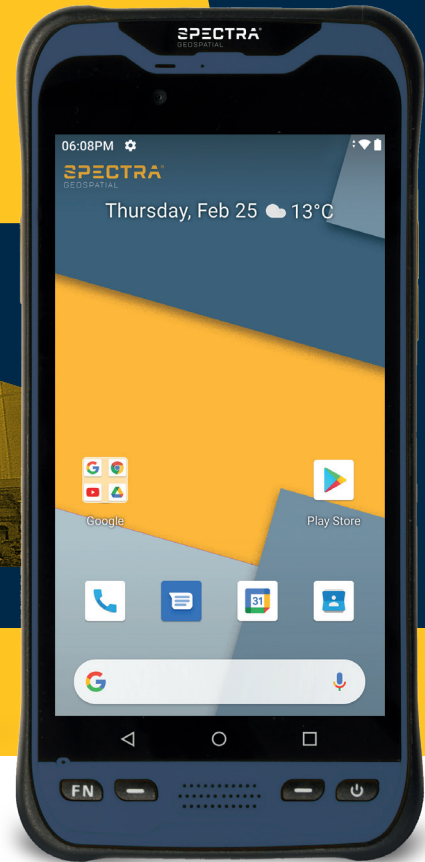


MobileMapper 60



DATASHEET

High capacity battery

Bright, high resolution 6-inch screen

Military certifications, MIL-STD-810G

GNSS receiver with SBAS support

Android 10 operating system

Wi-Fi, Bluetooth and 4G LTE cellular data

Fast 2.2 GHz processor

Post-processing

Smartphone GNSS data collecting just got brighter, faster and easier. The rugged MobileMapper® 60 offers superior durability, efficiency and accuracy for professional handheld data collection.

The MobileMapper 60 all-in-one GNSS receiver and smartphone provides the ultimate in accuracy and convenience for handheld geospatial data collection. Its slim, lightweight all-weather design complete with a hand strap features a large, high resolution screen for easy viewing and data manipulation.

Running the latest Android™ 10, it has a fast 2.2 GHz processor, 4 GB of memory, 64 GB of storage and full-day battery life for managing large data sets with ease and speed. Bluetooth®, 4G LTE, and Wi-Fi capable, the MobileMapper 60 is ideally suited for a wide range of jobs, including cadastral, survey, topographic, forestry, utilities, and much more.

MobileMapper 60: The flexible partner for all-day missions

GNSS CHARACTERISTICS

- Internal antenna: 72 channels
 - GPS L1 C/A
 - GLONASS L1 C/A
 - Galileo E1
 - Beidou B1
 - SBAS: WAAS/EGNOS/MSAS/GAGAN/QZSS
 - Tri constellation system: GPS/GAL or GPS/ GL0/GAL or GPS/Beidou/GAL
- External antenna connector

ACCURACY SPECIFICATIONS¹
(Horizontal RMS)

- Real-time SBAS²: <1.5 m typical
 - Post-processing: <0.8m typical

PROCESSOR

- Qualcomm Snapdragon 626
 - Octa-core
 - Clock frequency: 2.2 GHz

OPERATING SYSTEM

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

COMMUNICATIONS

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
- USB 3.0 (Type-C)
- NFC (13.56 MHz)

PHYSICAL CHARACTERISTICS

Size

- 196 x 93.4 x 17.2 mm (7.7 x 3.6 x 0.67 inches)

Weight

- 385 g (13.6 oz)

User Interface Keyboard

- 2 volume keys, on/off/reset key, 4 programmable keys, standard Android touch panel buttons
- On screen keyboard

Display

- Size: 6.0" capacitive multi touch
- Resolution: 1920x1080 pixels
- Brightness: 450 Cd/m²
- Gorilla Glass damage-resistant
- Auto rotate

ACCURACY SPECIFICATIONS (HORIZONTAL RMS)¹

- Real-time SBAS²: <1.5 m (4.9 ft) typical

MEMORY

- 4 GB SDRAM²
- Storage: 64 GB (non volatile)
- MicroSD memory card (up to 256 GB)

ENVIRONMENTAL CHARACTERISTICS

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

POWER CHARACTERISTICS

- Battery Li-Ion, 8000mAh
- Battery life: > 15 hrs @ 20 °C with GPS on
 - Charging time: 4 hours
 - Dual Battery Charger
- Removable battery

INTERFACE

- USB 3.0 (Type-C)
- External antenna connector
- Audio jack through USB adapter
- Pogo pin connector

MULTIMEDIA & SENSORS

- Rear camera 13 M pixels with auto-focus and LED flash
- Front camera 5 M pixels with fixed focus
- Digital Compass
- Gyrometer
- Accelerometer
- Barometer
- Speaker
- Microphone
- Light sensor

STANDARD ACCESSORIES

- Lanyard
- Screen protector
- Handstrap
- A/C charger
- USB cable

OPTIONAL ACCESSORIES

- External magnetic GPS
- Pole bracket
- Replacement Battery
- Dual Battery Charger

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. Spectra Geospatial MobileMapper 60 handheld has Bluetooth, wireless LAN and cellular approval in North America (AT&T and Verizon) 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 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



MobileMapper 60 handheld with MobileMapper field software

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Please visit spectrageospatial.com for the latest product information and to locate your nearest distributor. Specifications and descriptions are subject to change without notice.