DATASHEET



KEY FEATURES

Familiar, easy-to-use, smartphone form factor

Works with professional software for GIS workflows

Big, sunlight-readable screen

Stay in touch with the office—integrated communications available

Rugged for work in all conditions



WORK SMART WITH SMARTPHONE-INSPIRED MOBILE GIS

Your team will perform better when they've got the tools they need to get the job done. Trimble® Juno® 5 series handhelds combine must have functionality with the familiarity of a smartphone form-factor.

Compatible with GIS-oriented Trimble workflows, the Juno 5 is the smart solution your team can trust for standardizing inspections and asset management.

Bringing GIS out to the field

Perfect for asset management and data maintenance projects, everything is integrated into a convenient, rugged package: high-sensitivity GNSS, Windows® Embedded Handheld or Android operating system, Office applications, camera, and cellular connectivity on board.



Stay flexible and connected with the optional built-in communications to send and receive calls and data on the job, keeping your team productive, informed, and in touch.

Together with Trimble TerraSync™ and GPS Pathfinder® Office software for professional workflows, you can work with confidence in the data you are capturing.¹

A smarter approach to field productivity

It may look like a smartphone, but the Juno 5 series is all business. Rugged enough to meet military specs, with an IP65 rating. It has a large screen so you can easily view data or photos even in direct sunlight.



You can be confident that your teams have a real, professional tool—built to work in even the toughest conditions.

Combining the convenience of a smartphone with ruggedness, the functionality you need and professional software—the Trimble Juno 5 series is your flexible, real world asset management and GIS update tool.

1 Trimble software is not compatible with the Android configuration; however the Android devices will run Esri ArcGIS Mobile and other 3rd party GIS applications.



PRODUCT MODELS

	Juno 5B (WEHH)	Juno 5D (WEHH)	Juno 5D (Android)
Cellular voice & data	No	Yes	Yes
Available Trimble software	Yes	Yes	Not at this time

STANDARD FEATURES

- Integrated 3.75G cellular data, text, and voice capability (Juno 5D only)
- 8 megapixel camera with geotagging and dual LED flash
- Bluetooth® v2.1 with enhanced data rate
- Wi-Fi (802.11b/g/n)
- Multi-touch 4.3 inch WVGA sunlight-readable Gorilla[®] glass display
- Long-life, rechargeable Li-Ion battery
- 800 MHz (Juno 5B) or 1 GHz (Juno 5D), Texas Instruments DM3730 processor
- 256 MB (Juno 5B) or 512 MB (Juno 5D) RAM
- 8 GB (Juno 5B) or 16 GB (Juno 5D) Flash storage
- MicroSD memory card slot (supports SDHC up to 32 GB)
- Integrated speaker and microphone
- Windows Embedded Handheld 6.5 or Android 2.3.4 "Gingerbread" in Chinese (Simplified), English, French, German, Italian, Japanese, Korean, Portuguese (Brazilian), Russian, or Spanish

• High-sensitivity GPS/SBAS1 receiver and antenna

Standard Software

Windows Embedded Handheld

- Microsoft® Office Mobile® 2010 (Excel Mobile, Word Mobile, Outlook Mobile, PowerPoint Mobile, and Internet Explorer Mobile 6)
- Trimble SatViewer (GPS interface application)
- Trimble CellStart (WWAN configuration application)
- Microsoft My Phone with SMS text messaging (Juno 5D only)
- Camera control application
- · Calculator and calendar
- Windows Media Player
- Microsoft Task Manager & Notes

- Trimble Outdoors Navigator
- Phone and SMS text messaging
- Flashlight mode control application
- Camera control application

Standard Accessories

- International AC charging kit
- USB cable
- Ultra clear screen protectors (2-pack) kit

OPTIONAL FEATURES

Optional Software

Windows Embedded Handheld

- Trimble GPS Pathfinder Office software Trimble TerraSync software
- Third party NMEA-based applications
- Custom applications built with Mobile GIS Developer Community software development kits (SDKs)

Android

• Esri ArcGIS Mobile software

- **Optional Accessories** • 9-pin serial adapter
- USB Host adapter
- · Capacitive stylus with tether
- External battery pack
- Vehicle charging kit
- 3rd party GIS applications
- · Capacitive touch screen gloves

• Flashlight mode control application

• Microsoft pictures & videos

• Windows Live Messenger

· Picture and video gallery

• Adobe Reader LE 2.5

• Multimedia player

Quick Start Guide

Web browser

• Wrist strap

• Email

- Trimble headset
- Screen protectors
- External GPS antenna

TECHNICAL SPECIFICATIONS

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Processor . . . 800 MHz (Juno 5B) or 1 GHz (Juno 5D), Texas Instruments DM3730 Memory 256 / 512 MB RAM (5B / 5D) and 8 / 16 GB (5B / 5D) built-in storage Battery 3.7 V, 3.3 Ah, 12.2 Wh, Lithium-ion polymer

Environmental (MIL-STD-810G)

Storage temperature_40 °C to +70 °C (-40 °F to +158 °F) Humidity.......90% relative humidity with temperatures between 30 °C and 60 °C (22 °F and 144 °F) Method 507.5, Procedure II Water/dust Protected against driving rain, water spray, dust, IEC-60529 IP65 Vibration Vibration resistant, Method 514.6, Procedure I & II, Category 5 to 12,192 m (40,000 ft) at -30 °C (-22 °F) Method 500.5, Procedure I, II & III

Input/output

Expansion.... microSD Card slot Display 10.9 cm (4.3 in) WVGA TFT (480 x 800 pixel), capacitive, sunlight readable Audio Built-in microphone and speaker, record and playback utilities I/O ... USB 2.0 Host, USB Client
Radios ... Bluetooth v2.1⁴ + EDR; Wi-Fi 802.11b/g/n UMTS / HSPA+, GSM / GPRS / EDGE

UMTS Bands (WCDMA/FDD): 800/850/1900, AWS and 2100 MHz GSM Bands: 850/900/1800/1900 MHz (data and voice, Juno 5D only)⁵ Digital camera . . . 8 megapixel color camera with geotagging and dual LED flash

GPS

Channels....50 (L1 code/carrier⁶ only) Protocols......NMEA-0183, UBX binary MCX port for optional external GPS antenna

Accuracy (HRMS)⁷ after differential correction

Code postprocessed⁸......2–4 m

- 1 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.
 2 Using wireless technology, such as Bluetooth or wireless LAN will consume additional battery power.
 3 Backlight setting at 70% brightness.
 4 Bluetooth and wireless LAN type approvals are country specific. Trimble Juno series handhelds have Bluetooth and wireless LAN type approval in the USA and EU. For other countries please consult your local Reseller.
 5 PTCRB, SAR, AT&T network compatible. Consult with your local reseller for more information.
 6 Logging 11 carrier data for Trimble DeltaPhaseTM technology postprocessing.
 7 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. Accuracy varies with proximity to base station by +1 ppm for postprocessing.
 8 Requires Trimble DeltaPhase technology, as supported in Trimble GPS Pathfinder Office software version 4.20 and later, or Trimble PositionsTM Desktop add-in 10.1.0, or Trimble GPS Analyst Extension for Esri ArcGIS for Desktop software, version 2.20 and later.

Specifications subject to change without notice.

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