

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.

TRIMBLE JUNO 5 SERIES

PRODUCT MODELS

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

STANDARD FEATURES

System

- Integrated 3.75G cellular data, text, and voice capability (Junos 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 (Junos 5B) or 1 GHz (Junos 5D), Texas Instruments DM3730 processor
- 256 MB (Junos 5B) or 512 MB (Junos 5D) RAM
- 8 GB (Junos 5B) or 16 GB (Junos 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

GPS

- 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 (Junos 5D only)
- Camera control application
 - Flashlight mode control application
- Calculator and calendar
 - Microsoft pictures & videos
- Windows Media Player
 - Windows Live Messenger
- Microsoft Task Manager & Notes
 - Adobe Reader LE 2.5

Android

- Trimble Outdoors Navigator
 - Email
- Phone and SMS text messaging
 - Multimedia player
- Flashlight mode control application
 - Web browser
- Camera control application
 - Picture and video gallery

Standard Accessories

- International AC charging kit
 - Wrist strap
- USB cable
 - Quick Start Guide
- 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
 - 3rd party GIS applications

Optional Accessories

- 9-pin serial adapter
 - Capacitive touch screen gloves
- USB Host adapter
 - Trimble headset
- Capacitive stylus with tether
 - Screen protectors
- External battery pack
 - External GPS antenna
- Vehicle charging kit

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TECHNICAL SPECIFICATIONS

Physical

- Size 15.5 cm x 8.2 cm x 2.5 cm (6.1 in x 3.2 in x 0.9 in)
- Weight 0.4 kg (0.84 lb) with battery
- Processor 800 MHz (Junos 5B) or 1 GHz (Junos 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 Power²
 - Low (no GPS, backlight on³) 14 hours
 - Normal (with GPS and backlight on) 10 hours

Environmental (MIL-STD-810G)

- Operating temperature -30 °C to +60 °C (-22 °F to +140 °F)
- 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
- Drop 1.22 m (4 ft.), Method 516.6, Procedure IV, Transit Drop
- Vibration Vibration resistant, Method 514.6, Procedure I & II, Category 5
- Altitude 4,572 m (15,000 ft) at 23 °C (73 °F) 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, Junos 5D only)⁵
- Digital camera 8 megapixel color camera with geotagging and dual LED flash

GPS

- Channels 50 (L1 code/carrier⁶ only)
- Integrated real-time RTCM v2.3, SBAS¹
- Update rate 1 Hz
- Protocols NMEA-0183, UBX binary
 - MCMX port for optional external GPS antenna

Accuracy (HRMS)⁷ after differential correction

- Code postprocessed⁸ 2-4 m
- Real-time 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 Junos series handhelds have Bluetooth and wireless LAN 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 L1 carrier data for Trimble DeltaPhase™ 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 Positions™ 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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