

### 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.<sup>1</sup>

#### 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.

<sup>1</sup> 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/SBAS<sup>1</sup> 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
- Calculator and calendar
- Windows Media Player
- Microsoft Task Manager & Notes
- Flashlight mode control application
- Microsoft pictures & videos
- Windows Live Messenger
- Adobe Reader LE 2.5

#### Android

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

### Standard Accessories

- International AC charging kit
- USB cable
- Ultra clear screen protectors (2-pack) kit
- Wrist strap
- Quick Start Guide

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

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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 Power <sup>2</sup>      |
|           | Low (no GPS, backlight on <sup>3</sup> )                            |
|           | Normal (with GPS and backlight on)                                  |

### 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 v2.1 <sup>4</sup> + 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) <sup>5</sup> |
| Digital camera | 8 megapixel color camera with geotagging and dual LED flash                   |

### GPS

|                      |  |
|----------------------|--|
| Channels             | .50 (L1 code/carrier <sup>6</sup> only)    |
| Integrated real-time | RTCM v2.3, SBAS <sup>1</sup>               |
| Update rate          | 1 Hz                                       |
| Protocols            | NMEA-0183, UBX binary                      |
|                      | MCX port for optional external GPS antenna |

### Accuracy (HRMS)<sup>7</sup> after differential correction

|                                 |       |
|---------------------------------|-------|
| Code postprocessed <sup>8</sup> | 2-4 m |
| Real-time                       | 2-4 m |

<sup>1</sup> 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.

<sup>2</sup> Using wireless technology, such as Bluetooth or wireless LAN will consume additional battery power.

<sup>3</sup> Backlight setting at 70% brightness.

<sup>4</sup> 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.

<sup>5</sup> PTCRB, SAR, AT&T network compatible. Consult with your local reseller for more information.

<sup>6</sup> Logging L1 carrier data for Trimble DeltaPhase™ technology postprocessing.

<sup>7</sup> 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.

<sup>8</sup> 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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