Trimble Juno 5 Series

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

1D/2D barcode scanner and enhanced GPS versions available

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 operating system, Office applications, camera, and cellular connectivity.

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.

Using the professional workflows of Trimble field and office software, you can work with confidence in the data you are capturing.

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.

Options for flexibility

With enhanced GPS in real time and 1D or 2D barcode options to choose from the Juno 5 series can meet whatever your workflow needs.

The Trimble Juno 5 combines the convenience of a smartphone with professional rugged design, for true confidence in the field. This makes the Trimble Juno 5 series the tool of choice for flexible, real world asset management and GIS data updates.

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היפר-טק
מערכות

®Trimble.

Trimble Juno 5 Series

STANDARD FEATURES

System

- Integrated 3.75G cellular data, text, and voice capability (Juno 5D only)
- 8 megapixel camera with geotagging and dual LED flash
- High-sensitivity GPS/SBAS[1] receiver and antenna
- Bluetooth® version 2.1 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 1.0 GHz (Juno 5D and Juno 5B/5D with Barcode scanner and Enhanced GPS) OMAP DM3730
- 512 MB RAM
- 8 GB (Juno 5B), 16 GB (Juno 5D), or 32 GB (Juno 5B/5D with Barcode scanner and Enhanced GPS) Flash storage
- MicroSD memory card slot (supports SDHC up to 32 GB)
- Integrated speaker and microphone

Operating System

- Windows Embedded Handheld 6.5 in Chinese (Simplified), English, French, German, Italian, Japanese, Korean, Portuguese (Brazilian), Russian, or Spanish

Barcode scanner

1D symbologies: EAN/UPC, GS1 Databar (limited expanded & omni-directional), Code 39, Code 128, UCC/EAN 128, ISBN, ISBT, Interleaved/Matrix/ Industrial and Standard 2 of 5, Codabar, Code 93/93i, Code 11, MSI, Plessey, Telepen, postal codes (Australian Post, BPO, Canada Post, Dutch Post, Japan Post, PostNet, Sweden Post)

2D symbologies: Data Matrix, PDF417, Micro PDF 417, Codablock, Maxicode, QR, Aztec

TECHNICAL SPECIFICATIONS

Physical

Size (5B/5D) . . . . 15.5 cm x 8.2 cm x 2.5 cm (6.1 in × 3.2 in × .9 in)

Size (5B/5D Enhanced GPS, Barcode) . . . . 20.98 cm x 8.14 cm x 3.19 cm (8.26 in × 3.2 in × 1.26 in)

Weight including battery

Juno 5 . . . . 0.4 kg (0.84 lb)

Juno 5 with Barcode. . . . . 0.50 kg (1.10 lb)

Juno 5 with Enhanced GPS. . . . . 0.45 kg (0.99 lb)

Juno 5 with Enhanced GPS and Barcode . . . . 0.50 kg (1.10 lb)

Juno 5 with Enhanced GPS. . . . . 0.55 kg (1.21 lb)

Processor . . . . . 800 MHz (5B) or 1.0 GHz (5D and 5B/5D with Barcode scanner, Enhanced GPS) OMAP DM3730

Memory . . . . 8 GB (5B), 16 GB (5D), or 32 GB (5B/5D with Barcode scanner, Enhanced GPS) built in storage, and 512 MB RAM

Battery . . . . 12.2 Wh (3.7 V, 3300 mAh) Lithium-ion polymer battery, rechargeable

Power[2]

Low (no GPS, backlight on[3]). . . . . 14 hours

Normal (with GPS and backlight on). . . . . 8 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 v2.1[4] + 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 only)

Integrated real-time . . . . RTCM v2.3

Update rate . . . . 1 Hz

Protocols . . . . .NMEA-0183, UBX binary MCX port for optional external GPS antenna

Accuracy (HRMS)[6]

Real-time (RTCM). . . . . 2–4 m

Real-time (Enhanced GPS variant, SBAS[1], WAAS or EGNOS). . . . . 1–2 m

Code postprocessed[7] . . . . 2–4 m

SOFTWARE COMPATIBILITY

Please refer to the Product Compatibility matrix. (www.trimble.com/mappingGIS/productcompatibility)

Specifications subject to change without notice.

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 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   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.
7   Requires Trimble DeltaPhase technology, as supported in Trimble GPS Pathfinder Office® software or Trimble Positions™ Desktop add-in.

 CE 0682   Bluetooth®

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