

### 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 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.

Using either Trimble TerraSync™ and GPS Pathfinder® Office software or the Trimble Positions™ software suite professional workflows, 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.

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.

# TRIMBLE JUNO 5 SERIES

## PRODUCT MODELS

	Jun0 5B	Jun0 5D
Cellular voice & data	No	Yes
Available Trimble software	Yes	Yes

## STANDARD FEATURES

### System

- Integrated 3.75G cellular data, text, and voice capability (Jun0 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 (Jun0 5B) or 1 GHz (Jun0 5D), Texas Instruments DM3730 processor
- 256 MB (Jun0 5B) or 512 MB (Jun0 5D) RAM
- 8 GB (Jun0 5B) or 16 GB (Jun0 5D) Flash storage
- microSD memory card slot (supports SDHC up to 32 GB)
- Integrated speaker and microphone
- Windows Embedded Handheld 6.5 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

- 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 (Jun0 5D only)
- Camera control application
- Flashlight mode control application
- Calculator and calendar
- Windows Media Player
- Microsoft Task Manager & Notes
- Microsoft pictures & videos
- Windows Live Messenger
- Adobe Reader LE 2.5

### Standard Accessories

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

## OPTIONAL FEATURES

### Optional Software

- Trimble GPS Pathfinder Office software
- Trimble Municipal Reporter™ system
- 3rd party NMEA-based applications
- Custom applications built with Mobile GIS Developer Community software development kits (SDKs)
- Trimble Positions™ software suite
- Trimble TerraSync software

### 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

## TECHNICAL SPECIFICATIONS

### Physical

Size	15.5 cm x 8.2 cm x 2.5 cm (6.1 in x 3.2 in x 1 in)
Weight	0.4 kg (0.84 lb) with battery
Processor	800 MHz (Jun0 5B) or 1 GHz (Jun0 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> ) 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 <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, Jun0 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 Juno 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 5.30 and later, or Trimble Positions Desktop add-in 10.1.1.

Specifications subject to change without notice.

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