



Juno T41

Rugged Handheld Computer

KEY FEATURES

WVGA Sunlight-readable Gorilla® Glass Display

Multi-Touch User Interface with Capacitive Stylus Compatibility

8 MP camera with dual LED flash and geo-tagging

3.75G cellular data, text and voice capability

Bluetooth and Wi-Fi b/g/n

GPS receiver with 2-4 meter accuracy

Accelerometer and Electronic Compass

Windows Embedded Handheld 6.5 or Android 2.3.4

Fully Rugged Design with IP65 or IP68

Full-Day Battery Life



The Trimble® Juno® T41™ rugged handheld computer is a powerful, connected and compact solution for your entire mobile workforce. The Juno T41 handheld offers the convenience and ease-of-use of a smartphone with durability and long-term support that smartphones just don't offer. Its slim, ergonomic design is easy to grasp and enables all-day use by hard-working professionals and demanding consumers alike.

Smartphone Value

The Juno T41 handheld has voice, SMS text and 3.75G cellular data transfer capabilities on GSM cellular networks worldwide. You can upload and download data from the cloud using Wi-Fi or WWAN connections. The 8 megapixel camera can automatically include time and location data from the GPS receiver. The Juno T41 handheld includes a capable 1 GHz processor with 512 MB RAM to run software applications fast and reliably.

The Juno T41 is a rugged, all-in-one device that reduces total cost of ownership compared to durable or consumer-grade smartphones. Mobile workforce solutions based on a single device can be more efficient than requiring workers to repeatedly handle at least two: a rugged handheld computer and a cellular phone. Return on investment is also enhanced through increased efficiency from your work force: user applications can transfer data to and from the cloud, while they maintain voice communication with managers who can make faster, better decisions based on real-time information.

Empowering the Mobile Worker

The Juno T41 handheld is designed to be long-lasting, from the battery to the processor, and to work through mishaps that would sideline lesser smartphones. The lithium-ion polymer battery lasts all day for most users, and the optional External Battery Pack is available for solutions involving all-day wireless connectivity and processor-intensive applications. The Juno T41 handheld can withstand water, dust, shock, drop, vibration and extreme temperatures. The Juno T41 features a Gorilla® Glass panel to survive hostile conditions in the field.

The 4.3" high resolution capacitive touchscreen is sunlight-readable and beautifully clear. Multi-touch support allows complex selections and controlled zoom to optimize the user experience with maps and detailed information. A capacitive stylus is available as an optional accessory. Physical connection to other electronic devices is supported via the Juno T41 handheld's custom connector. This custom connector allows for the slim design while providing easy connectivity to a USB device, a 9-pin Serial device or a battery charger.

Developer-Friendly Choice of Operating Systems

Software Developer Kits for both the Windows Embedded Handheld 6.5 and the Android 2.3.4 'Gingerbread' operating systems enable custom application software to easily interface with the many built-in sensors, radios and data ports of the Juno T41 handheld. Live technical support is available for systems integrators and software developers. The Juno T41 standard software includes Trimble applications that enable user control of integrated features.

Built for Work in the Real World

Smartphones were designed to be convenient and easy-to-use, but they weren't designed for rugged environments. With the Juno T41 handheld, you no longer have to juggle a smartphone and a rugged computer or to worry about which device carries your data. On the job site, on the road, in the office or at home, the Juno T41 handheld has the features you need to stay productive, informed and in touch.



Juno T41 Rugged Handheld Computer

FEATURES

- Processor: 800 MHz or 1 GHz, Texas Instruments DM3730
- RAM: 256 MB or 512 MB
- Flash Storage: 8 GB or 16 GB
- 4.3" WVGA sunlight-readable Gorilla® Glass display
- Light sensor to auto-adjust display brightness
- Capacitive multi-touch interface
- Integrated 3.75G cellular data, text and voice capability
- 8 megapixel camera with geo-tagging and dual LED flash
- Bluetooth® 2.1 with Enhanced Data Rate
- Wi-Fi (802.11 b/g/n)
- GPS Receiver, 2-4 meter accuracy (WAAS/SBAS Capable)
- MCX port for optional External GPS Antenna
- Electronic Compass
- Accelerometer
- Robust Custom Port with USB 2.0 Full Speed Protocol
- Conversion Cables available for 9-pin Serial or USB host
- MicroSD memory card slot (supports SDHC up to 32 GB)
- Integrated speaker and microphone
- 3.5 mm Headset Jack with Audio Capability

OPERATING SYSTEMS

- Windows Embedded Handheld 6.5
- Android 2.3.4 "Gingerbread"
- Language Support: Chinese (Simplified), English, French, German, Italian, Japanese, Korean, Portuguese, Russian or Spanish

Windows Embedded Handheld 6.5

Standard Software:

- Trimble SatViewer (GPS interface application)
- Trimble CellStart (WWAN configuration application)
- Microsoft® Office Mobile® 2010 (Word Mobile, Excel Mobile, PowerPoint Mobile, Outlook Mobile)
- Internet Explorer Mobile 6
- Microsoft My Phone with SMS Text Messaging
- Camera control application
- Flashlight mode control application
- Calculator
- Calendar
- Microsoft Pictures & Videos
- Windows Media Player
- Windows Live Messenger
- Microsoft Task Manager & Notes
- Adobe Reader LE 2.5

Android 2.3.4 "Gingerbread"

Standard Software:

- Trimble Outdoors Navigator
- Email
- Phone & SMS Text Messaging
- Picture & Video Gallery
- Multimedia Player
- Web Browser

- Camera control application
- Flashlight mode control application

Application Developer Support:

- Software Developer Kit with documentation for WEH 6.5
- Software Developer Kit with documentation for Android 2.3.4

STANDARD ACCESSORIES

- International AC Charging Kit
- T41 USB Cable
- Wrist Strap
- Ultra Clear Screen Protectors (qty 2) Kit
- Quick Start Guide

OPTIONAL ACCESSORIES

- 9-pin Serial Adapter
- USB Host Adapter
- Capacitive Stylus with Tether
- External Battery Pack
- Port Cover
- Ultra Clear Screen Protectors (qty 10) Kit
- Anti-reflective Screen Protectors (qty 2) Kit
- Vehicle Charging Kit
- Capacitive Touchscreen Gloves
- Trimble Headset
- External GPS Antenna

ENVIRONMENTAL SPECIFICATIONS

Water: Survives immersion at 3.3 ft (1 m) for two hours (gray models), IEC-60529 IPx8

Survives driving rain and water spray (yellow models), IEC-60529 IPx5, water jet 12.5 mm dia @ 2.5 - 3 m

Dust: Protected against dust, IEC-60529 IP6x, dust chamber with under-pressure

Drops: Survives multiple drops of 4 ft (1.22 m), MIL-STD-810G, Method 516.6, Procedure IV, Transit Drop

Operating Temperature: -22 °F to 144 °F (-30 C to 60 C), MIL-STD-810G, Method 502.5, Procedure I, II, III (Low Temp Operating -30 C); Method 501.5, Procedure I & II (High Temp Operating 60 C)

Storage Temperature: -40 °F to 158 °F (-40 C to 70 C), MIL-STD-810G, Method 502.5, Procedure I, II, III (Low Temp Storage -40 C); Method 501.5, Procedure I & II (High Temp Storage 70 C)

PRODUCT MODELS

Model	Color	IP Rating	Processor	RAM	Storage	WWAN	GPS	Camera
M	Gray	IP68	800 MHz	256 MB	8 GB	—	2-4 m	—
C	Yellow	IP65	800 MHz	256 MB	8 GB	—	2-4 m	8 MP
C	Gray	IP68	800 MHz	256 MB	8 GB	—	2-4 m	8 MP
X	Yellow	IP65	1 GHz	512 MB	16 GB	3.75G	2-4 m	8 MP
X	Gray	IP68	1 GHz	512 MB	16 GB	3.75G	2-4 m	8 MP

Temperature Shock: Cycles between -22 °F and 144 °F (-30 C and 60 C), MIL-STD-810G, Method 503.5, Procedure I-C

Humidity: 90% relative humidity with temperatures between 22 °F and 144 °F (30 C and 60 C), MIL-STD-810G, Method 507.5, Procedure II

Altitude: 15,000 ft (4,572 m) at 73 °F (23 C) to 40,000 ft (12,192 m) at -22 °F (-30 C), MIL-STD-810G, Method 500.5, Procedure I, II & III

Vibration: General minimum integrity and loose cargo tests, MIL-STD-810G, Method 514.6, Procedure I & II, Category 5

Solar Exposure: Survives prolonged UVB exposure, MIL-STD-810G, Method 505.5, Procedure II

Chemical Exposure: Resistant to mild alkaline and acid cleaning solutions, fuel hydrocarbons, alcohols and common vehicle and factory machine lubricants

PHYSICAL

Size: 6.1 in x 3.2 in x .9 in (15.5 cm x 8.2 cm x 2.5 cm)
Weight 13.5 oz (.4 kg), including battery
Color Black with Yellow or Black with Gray

ELECTRICAL

Processor: 800 MHz or 1 GHz, Texas Instruments DM3730

Memory: 256 MB or 512 MB

Storage: 8 GB or 16 GB, non-volatile

Expansion: microSD card slot, SIM card slot

Display: 4.3 in (10.9 cm), 480 x 800 pixel, WVGA TFT

Battery: 3.7 V, 3.3 Ah, 12.2 Wh, Lithium-ion polymer

I/O: 3.5mm audio jack; Custom Port that supports USB 2.0 Host, USB Client, 9-pin Serial and 5.6 V (5.0 V to 5.9 V) DC input power

GPS Receiver: 2-4 m accuracy with WAAS/SBAS correction; MCX port for optional external antenna

Radios: Bluetooth 2.1 +EDR; Wi-Fi 802.11 b/g/n

WWAN radios: UMTS / HSPA+, GSM / GPRS/ EDGE, UMTS

Bands (WCDMA/FDD): 800, 850, 1900, AWS and 2100 MHz

GSM Bands: 850, 900, 1800, 1900 MHz

CERTIFICATIONS

FCC, CE, R&TTE, IC (Canada), C-tick, GCF compliant, RoHS compliant, Section 508 compliant, PTCRB, SAR, AT&T network compatible, Wi-Fi Alliance certified, CCX, USB 2.0 Full Speed, MIL-STD-810G, IP65/IP68, MIL-STD-461E.

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