

DATASHEET JUNO T41 RUGGED HANDHELD COMPUTER



The Juno® T41™ rugged handheld computer is designed to be long-lasting, from the battery to the processor, and to work through mishaps that would sideline lesser products. The Juno T41 handheld is built to MIL-STD-810G standards to survive hostile conditions in the field.

Junos T41 C Handheld: Rugged Handheld Data Collection – Basic Model

- Fully rugged design with IP65; MIL-STD-810G
- Windows® Embedded Handheld (WEHH) 6.5
- Processor: 800 MHz
- RAM: 512 MB
- Flash storage: 8GB
- Multi-touch user interface with capacitive stylus compatibility
- 8 MP camera with dual LED flash and geo-tagging audio/video
- 2–4 Meter integrated GPS receiver w/SBAS
- Bluetooth and Wi-Fi b/g/n
- 4.3" WVGA sunlight-readable Corning® Gorilla® Glass Display
- Accelerometer and electronic compass
- Full-Day battery life
- 2-year manufacturer warranty

Junos T41 X Handheld: Smartphone

- 3.75G cellular data, text & voice
- AT&T Certified
- Processor: 1GHz Texas Instruments DM3730
- RAM: 512 MB
- Flash Storage: 16 GB

Junos T41 G Handheld: Enhanced GPS with 1–2 Meter Accuracy

- Real-time GPS accuracy less than or equal to 1–2 meters with SBAS
- Dramatic performance improvement with GPS Accuracy Algorithm enabled
- Flash Storage: 32 GB

Built for Agriculture

When used with the Farm Works™ Mobile software, the Juno T41 handheld becomes the ultimate solution for scouting, soil sampling, variable rate application, and field mapping. No other rugged handheld provides more options for farmers and service providers than the Juno T41 handheld computer.

OPTIONS	MEMORY (RAM)	DATA STORAGE	INTEGRATED GPS ACCURACY	INTEGRATED CAMERA	INTEGRATED MODEM
Junos T41 C Handheld	512 MB	8 GB	2–4 m	8 MP with flash	No
Junos T41 X Handheld	512 MB	16 GB	2–4 m	8 MP with flash	Yes, has phone capabilities
Junos T41 CG Handheld	512 MB	32 GB	1–2 m	8 MP with flash	No
Junos T41 XG Handheld	512 MB	32 GB	1–2 m	8 MP with flash	Yes, has phone capabilities

G Features

Real-Time Enhanced GPS

- 1–2 meter Real-time accuracy with no post-processing or subscription fees required
- Supports GPS L1 band
- Average cold start < 33 seconds; average warm start < 3 seconds
- Reliable performance in reduced signal environments
- Flash Storage: 32 GB

C, X And All Other Model Features

- Processor: 800 MHz or 1 GHz, Texas Instruments DM3730
- RAM: 512 MB
- Flash Storage: 8 or 16 GB
- 4.3" WVGA sunlight-readable Corning 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)
- Integrated GPS Receiver with 2–4 meter accuracy (SBAS Capable: WAAS & EGNOS)
- 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
- 2-year manufacturer warranty

Operating Systems

Windows Embedded Handheld 6.5

Standard Software:

- Language Support: Chinese (Simplified), English, French, German, Italian, Japanese, Korean, Portuguese, Russian or Spanish
- 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

- 1D/2D Barcode reader camera 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

Application Developer Support:

- Software Developer Kit with documentation for WEH 6.5

Standard Accessories

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

Environmental Specifications

Water: Survives driving rain and water spray (yellow models), IEC-60529, IP-X5, water jet 12.5 mm dia @ 2.5–3m

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)

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 (C,X) 6.1 in x 3.2 in x .9 in
(15.5 cm x 8.2 cm x 2.5 cm)

Size (G) 8.26 in x 3.2 in x 1.26 in
(20.98 cm x 8.14 cm x 3.19 cm)

Weight (C,X) 13.5 oz (.4 kg), including battery
Weight (G) 16.69 oz (.48 kg), including battery

Color Black with Yellow

Electrical

Processor: Texas Instruments DM3730 1 GHz Processor

Memory: 512 MB RAM

Storage: 8/16/32 GB non-volatile Flash Storage

Expansion: microSD card slot, SIM Card Slot

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

Battery Capacity: 3300 mAh, 3.7 V (@0.2C), 12.2 Wh

I/O: 3.75 mm audio jack, MCX GPS antenna port and a custom port that supports USB 2.0 Host, USB Client, 15 VDC power and Serial connections

GPS: 1–2 m or 2–4 m accuracy with WAAS/SBAS correction

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

GSM Bands: 850, 900, 1800, 1900 MHz

Certifications

FCC, CE, R&TTE, IC (Canada), A-tick, 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, MILSTD-810G, IP65.



MODELS IN THIS FORM FACTOR:	MODELS IN THIS FORM FACTOR:
Juno T41 C Handheld	Juno T41 CG Handheld
Juno T41 X Handheld	Juno T41 XG Handheld

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