



# Trimble Yuma Rugged Tablet Computer

## KEY FEATURES

17.8 cm (7 in) sunlight readable touchscreen display

Intel Atom 1.6 GHz processor

32 GB solid state hard drive

Integrated WiFi, Bluetooth, and GPS

2 integrated cameras

ExpressCard slot

SDIO slot

Outdoor rugged design

## ULTRA-RUGGED TABLET COMPUTER FOR THE MOBILE WORKER

Trimble, the world leader in outdoor rugged computing, brings you the Trimble® Yuma™ rugged tablet computer, able to withstand even the most challenging work environment. Safeguard your software and data in the face of dust, sand, mud, humidity, and extreme temperature. Conduct inspections, collect information, capture photos, and communicate with headquarters, all with the assurance that your data is protected. If this sounds like your everyday reality, take a closer look at the Trimble Yuma rugged tablet computer.

### Survivability

The Trimble Yuma tablet is designed to be fully functional in any outdoor environment—no matter how extreme.

Overcoming the elements presents an initial challenge, since water, dust and dirt easily threaten the internal components of all but the most rugged of outdoor computers.

The Trimble Yuma tablet features an ingress protection rating of 67 (IP67), meaning it is sealed against dust and has been water immersion tested for 30 minutes at a depth of one meter (3.28 ft). Water and dust won't sideline the Trimble Yuma tablet.

Shock, vibration and extreme temperature fluctuation present a second level of challenges to outdoor computing. The rugged design of the Trimble Yuma tablet incorporates a solid state hard drive, eliminating internal moving parts and providing protection against stress from impact and vibration. In addition, MIL-STD-810F specifications ensure that the Trimble Yuma tablet survives bitter cold, blistering desert heat, and everything in between—even accidentally launching the Trimble Yuma tablet off the tailgate of your truck.

### Your one computer solution

What can you do with a Trimble Yuma tablet that features an Intel® Atom™ 1.6 GHz processor, integrated WiFi, Bluetooth®, GPS, and two digital cameras, as well as SDIO and ExpressCard slots? With just this one computer you can...

- Collect and exchange data—lots of data
- Transfer data in real-time
- Run reports
- Receive dispatch orders on the road
- Take geo-tagged photographs
- Map your networked assets or update their condition
- Send email
- Find your way out of the forest

The Trimble Yuma tablet is an integral part of the Trimble family of mapping and GIS solutions, compatible with a full range of professional GIS data collection and utilities field solutions software, including Trimble Fieldport® and UtilityCenter® software for GIS mapping and redlining, asset maintenance, mobile workforce management, and outage response. You can easily integrate the Trimble Yuma tablet into your current workflows, alongside your other Trimble field equipment.

### Location, Location, Location

Whatever computing projects your work requires and wherever your work takes you, the Trimble Yuma tablet meets the challenge. Go from the office to the truck to the field and back with one mobile computer. Plus, it works all day on one charge. Trade your desktop PC in for a Trimble Yuma rugged tablet computer—designed for the rugged life you lead.



# Trimble Yuma Rugged Tablet Computer

## STANDARD FEATURES

### System

- Genuine Windows Vista® Business operating system
- Intel Atom 1.6 GHz processor
- 1 GB DRAM
- 32 GB solid state hard drive
- 17.8 cm (7 in), sunlight readable color touchscreen
- Rugged waterproof design
- Headphone/speaker mini-jack stereo
- Microphone/line-in mini-jack
- Front facing autofocus 2 megapixel camera (video and photo)
- User facing 1.3 megapixel camera
- Integrated Bluetooth Class 2
- Integrated WiFi b/g (Cisco certification pending)
- Integrated GPS receiver with 2 to 5 meter accuracy after differential correction (real-time or postprocessed<sup>1</sup>)
- SDIO memory slot
- ExpressCard 34 mm slot
- Extended battery set (8 hours)<sup>2</sup>
- 12-month warranty

### Standard Software

- Internet Explorer
- G-Camera software linked to GPS
- Virtual GPS software for controlling NMEA output

### Standard Accessories

- AC charger with power cord
- Stylus pen
- Stylus tether
- Hand strap
- Ultra clear screen protectors
- Extended cap
- Display cleaning cloth

## OPTIONAL FEATURES

### Optional Field Software

- TerraSync™ software
- Trimble GPSCorrect™ extension for ESRI ArcPad software
- GPS Pathfinder Tools Software Development Kit (SDK)
- Trimble Fieldport software
- Trimble UtilityCenter software

### Optional Accessories

- 11–16 V vehicle charger
- Anti-glare screen protectors
- Pole mount solution
- Vehicle mount
- Office docking station (includes 2-bay extra battery charger)
- Rugged keyboard
- Replacement extended battery set
- Replacement ultra clear screen protectors
- Replacement extended cap
- Replacement hand strap
- Replacement stylus tether
- Replacement AC power adaptor

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## TECHNICAL SPECIFICATIONS

### Physical

Size (L x W x H) ..... 14 cm x 23 cm x 5 cm (5.5 in x 9 in x 2 in)  
Weight ..... 1.4 kg (3.1 lb) including strap and batteries

### Environmental

Operating temperature ..... -30 °C to 60 °C (-22 °F to 140 °F)  
MIL-STD 810F, Method 501.4, Procedure II  
MIL-STD 810F, Method 502.4, Procedure I, II, III  
Storage temperature ..... -40 °C to 70 °C (-40 °F to 158 °F)  
MIL-STD 810F, Method 501.4, Procedure I  
MIL-STD 810F, Method 502.4, Procedure I, II, III  
Temperature shock ..... MIL-STD-810F, Method 503.4, Procedure I (-35 °C / +65 °C)  
Humidity ..... MIL-STD-810F, Method 507.4  
90% RH temp cycle 0 °C (32 °F) / +70 °C (158 °F)  
Water ..... Immersed in 1 meter of water for 30 minutes  
IP67, MIL-STD-810F, Method 512.4, Procedure I,  
Water Jet 12.5 mm dia. @ 2.5 m-3 m, 100 Liter/min  
Drop ..... 26 drops from 1.22 m (4 ft) onto plywood over steel  
MIL-STD-810F, Method 516.5, Procedure IV  
6 additional drops at -30 °C (-22 °F)  
6 additional drops at 60 °C (140 °F)  
Sand and dust ..... 8 hours of operation with blowing talcum powder  
IP67, MIL-STD-810F, Method 510.3, Procedures I&II, IEC-529 IP-X6  
Vibration ..... General Minimum Integrity and the more rigorous Loose Cargo test  
MIL-STD 810F, Method 514.5, Procedure I, II  
Altitude ..... 4,572 m (15,000 ft) at 5 °C (41 °F)  
and 12,192 m (40,000 ft) at -30 °C (-22 °F)  
MIL-STD-810F, Method 500.4, Procedures I, II & III

### Electrical

Processor ..... Intel Atom Z530 1.6 GHz processor  
RAM memory ..... 1 GB DDR2  
Storage ..... 32 GB solid state hard drive  
Expansion ..... SDIO memory slot  
ExpressCard 34 mm slot  
Display ..... 17.8 cm (7 in) widescreen 1024 x 600 WSVGA 650nit  
Extended batteries ..... Dual hot-swappable Lithium-Ion batteries, 5100 mAmp each  
I/O ..... USB 2.0 port (x2), 9-pin serial port (RS-232)  
DC power port, 32-pin docking, external GPS antenna via vehicle docking station  
Integrated Bluetooth ..... Billionton Bluetooth v. 2.1 + ERD Compliant  
Integrated 802.11 b/g ..... Intel WiFi Link 5100 (CCX)  
Integrated GPS ..... SiRF STAR III

### Accuracy (HRMS)<sup>3</sup> after differential correction

Code postprocessed ..... 2–5 m  
Real-time (WAAS<sup>4</sup>) ..... 2–5 m

### Certifications

MIL-STD-461E (RE 102, RS103), RoHS compliant, MIL-STD-810F, IP67, TUV, C-Tick (Australia/New Zealand), FCC (US), CE (EU), IC (Canada), Section 508 compliant

- 1 Postprocessing requires the use of either GPS Pathfinder® Office software or Trimble GPS Analyst™ extension for ESRI ArcGIS Desktop software.
- 2 To ensure best performance when temperatures are below -4 F (-20 C), be sure battery is inserted in the device only when in use. When device is not in use at these temperatures, keep batteries in a pocket or stored in a warmer area.
- 3 Horizontal Root Mean Squared accuracy. Requires data to be collected using horizontal 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 and real-time.
- 4 WAAS (Wide Area Augmentation System) available in North America only.

Specifications subject to change without notice.



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