

Trimble Yuma 2 Rugged Tablet Computer

Key Features

Windows 7 tablet for GIS in the field

Enhanced direct **sunlight-readable display**

Ultra rugged tablet form factor

Configurable options to best match data collection workflows

BRING YOUR OFFICE TO THE FIELD FOR EFFICIENT GIS DATA MANAGEMENT

The Trimble® Yuma® 2 rugged tablet computer is designed for ease of use and high performance mobility. Great for GIS applications—it's like bringing a complete PC out into the field. The big bright screen makes it easy to view and use detailed maps, and with more processing power, it is fast. Safeguard your data in the face of dust, sand, mud, humidity, and extreme temperatures. Collect information, capture photos, and communicate with headquarters, all with the assurance that your data is protected.

Built for GIS in the Real World

The Yuma 2 tablet is the answer for users looking for more computing power and screen size in the field. For data collection, inspection or maintenance, the Yuma 2 is a smart choice to run Trimble TerraFlex™, Trimble TerraSync™, and Trimble GPS Pathfinder® Office software for advanced GIS workflows. The tablet's integrated GNSS receiver will deliver 2 to 4 meter accuracy in real time or after postprocessing. Or with the Yuma 2 enhanced GPS variant achieve 1 to 2 meter accuracy in real time. For more intensive, professional applications you can also combine the Yuma 2 with Trimble Pro 6 receivers—further enhancing accuracy and GNSS productivity with Trimble Floodlight™ technology.

For Professionals in the Field

The Trimble Yuma 2 tablet is designed to be fully functional in the outdoors. It offers everything you expect from a tablet computer—with the confidence that it will perform in the face of dust, sand, mud, humidity, and extreme temperatures. Collect information, capture photos, and communicate with your team, all with the assurance that your data is protected.

No matter how bright or direct the glare, the tablet's full-color sunlight-readable touchscreen is clear and easy-to-read to optimize your experience with maps and detailed information.

The Trimble Yuma 2 is built rugged from the inside out, with IP65 protection and military-grade MIL-STD-810G certification for temperature, altitude, humidity extremes, vibration and shock the Yuma 2 survives bitter cold, blistering desert heat, and everything in between.

Your one computer solution

Featuring a Windows® 7 Professional operating system, 4 GB of RAM, and Intel® Atom™ 1.6 GHz processor, you can bring your office to the field and still run software applications fast and reliably. Connectivity via Bluetooth®, Wi-Fi and optional GSM 3.75G cellular data module enables efficient field to office workflows wherever your mobile workforce goes.

- Collect and transfer data—lots of data—in real time
- Receive dispatch orders on the road
- Navigate to where you need to be
- Take geo-tagged photographs
- Send email
- And much more...

In the field, on the job site, or on the road, whatever your GIS field work requires and wherever your GIS field work takes you, the Trimble Yuma 2 tablet meets the challenge.



Trimble Yuma 2 Rugged Tablet Computer

STANDARD FEATURES

System

- Microsoft® Windows 7 Professional operating system
- Intel Atom™ “Cedar Trail” N2600 dual-core 1.6 GHz processor
- 4 GB DDR3 DRAM
- 64 or 128 GB solid state drive
- Optional 3.75G cellular data
- Enhanced direct sunlight readable color display
- Multi-touch capacitive touchscreen
- Rugged design certified to IP65 and MIL-STD-810G
- 3.5 mm audio jack and integrated microphone and speaker
- Outward facing autofocus 5 MP camera with LED Flash, photo and video recording capable
- Integrated Bluetooth 4.0
- Integrated Wi-Fi b/g/n
 - Wi-Fi Alliance Certified
 - CCX (Version 4)
- Accelerometer and electronic compass
- High-sensitivity GPS/SBAS¹ receiver and antenna
- Kensington security slot
- Status LEDs for power, battery, Wi-Fi and 3G Data

Standard Software

- Internet Explorer
- Camera software with geo-tagging

Standard Accessories

- Standard battery set (5+ hour)
- International AC charging kit with 4 adapters
- Capacitive stylus with tether
- Hand strap
- Display cleaning microfiber cloth
- Screen protectors

OPTIONAL FEATURES

Optional Accessories

- Extended battery set (10+ hour)²
- Vehicle charger (12 - 32 VDC input)
- Tactical vehicle hard mount (dashboard)
- Light duty vehicle soft mount (window)
- Screen protectors with cleaning cloth
- External GPS antenna with adapter (External GPS kit)
- Carrying case
- USB to serial adapter
- Capacitive touch gloves
- Rugged USB keyboard
- Pole mount

TECHNICAL SPECIFICATIONS

Physical

Size (L x W x H) 9.6 in x 6.3 in x 1.5 in (246 mm x 160 mm x 40 mm)
 Weight. 2.6 lb (1.2 kg) with standard batteries
 3.0 lb (1.4 kg) with extended batteries

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 Battery life affected by power settings, usage patterns and environmental conditions. Standard battery life approx. 5 hours; extended battery life approx. 10 hours. 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 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.

⁴ Requires Trimble DeltaPhase technology, as supported in Trimble GPS Pathfinder Office software version 5.30 and later, and Trimble TerraSync software version 5.42 and later.

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Environmental

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

Storage temperature -40 °F to 158 °F (-40 °C to 70 °C), MIL-STD-810G, Method 502.5, Procedure I (Low Temp. Storage) Method 501.5, Procedure I (High Temp. Storage)

Humidity Cycles between -22 °F and 144 °F (-30 °C and 60 °C) at 90% RH, MIL-STD-810G, Method 507.5, Procedure II (Humidity Aggravated Cycle)

Water Survives driving rain and water spray, any direction
 Water Jet 0.25 in dia. @ 8.2 ft-9.8 ft, 3.3 gallons/min
 (Water Jet 6.3 mm dia. @ 2.5 m-3 m, 12.5 Liter/min) IEC 60529, IP65

Dust Protected against dust: IEC 60529, IP65 dust chamber with under pressure

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

Vibration General minimum integrity and loose cargo tests
 MIL-STD-810G, Method 514.6, Procedure I Procedure II, Category 5 (Vibration) (Vibration; Truck/Trailer-Loose Cargo Annex C, figure 514.6C-4, Table 514.6C-I, one hour)

Altitude MIL-STD-810G, Method 500.5, (Altitude) Procedure I, II & III
 Operational at 15,000 ft

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

Solar exposure MIL-STD-810G, Method 505.5, Procedure II, Solar Exposure

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

Electrical

Processor 1.6 GHz Intel Atom N2600 dual-core processor

RAM memory 4 GB DDR3 DRAM

Storage 64 GB or 128 GB SSD

Display 7" 1024 x 600 hybrid reflective and transmissive with capacitive touchscreen

Battery² Smart batteries with LED power indicators.

Standard battery² Two 7.5 V, 3000 mAh, 22 Wh

Extended battery² Two 7.5 V, 6000 mAh, 45 Wh

I/O 3.5 mm audio jack, USB Host (2) HDMI docking station I/O plate, DC input power

Radios Bluetooth 4.03; Wi-Fi b/g/n

WWAN. Penta-Band GSM 3.75G cellular data

GPS

Channels 50 (L1 code/carrier 6 only)

Integrated real-time RTCM v2.3, SBAS¹

Update rate 1 Hz

Protocols NMEA-0183, UBX binary

External antenna SMA port for optional antenna (external GPS kit)

Accuracy (HRMS)³

Real-time (RTCM or SBAS¹) 2-4 m

Real-time (Enhanced GPS variant, WAAS or EGNOS) 1-2 m

Code postprocessed⁴ 2-4 m

Certifications

FCC, CE, UL 60950, IC (Canada), RoHS compliant. RSS 210, CSA, RSS CSA C22.2, IEC 60950, C-Tick Mark for Australia and New Zealand

Specifications subject to change without notice.



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