



# Yuma 2

## Rugged Tablet Computer

### KEY FEATURES

Outdoor direct sunlight readable color display

7 inch multi-touch capacitive touchscreen

Microsoft® Windows 7 Professional operating system

1.6 GHz Intel Atom dual-core processor

4 GB DDR3 DRAM

GPS Receiver with 1-2 meter or 2-4 meter accuracy options

5 MP Camera with autofocus, geo-tagging and LED flash; captures photos and videos.

Accelerometer for screen rotation and electronic compass

Certified Trusted Processing Module (to allow encryption)

3.75G GSM and CDMA (Verizon) data connectivity option

Bluetooth® 4.0 and W-Fi b/g/n

Certified Rugged Performance Rating of IP65 and MIL-STD-810G

Fully rugged construction with Gorilla® Glass panel

Configurable options to best match data collection needs

Standard and Extended battery options



The Trimble® Yuma® 2 rugged tablet computer is designed for ease of use and high performance mobility features with everything users expect from a tablet computer – along with the confidence that it will perform at optimum capability no matter where the workplace may be.

### Outdoor Readable Display

The Yuma 2 features a new dual technology display created specifically for easy and outstanding sunlight readability. No matter how bright or direct the glare, the Yuma 2 provides a clear, easy-to-read workspace. The full-color, seven inch screen resides under a Gorilla® Glass panel that is just as tough as the rest of the tablet.

### Capacitive Touch Screen

With the multi-touch capacitive touchscreen, users can type with fingers, stylus or capacitive gloves and can control the size of the keyboard on the display for ease of use. Controlled zoom can optimize the user experience with maps and detailed information. The display can be used in landscape or portrait mode and is configurable to hold the orientation or to alter it in response to the accelerometer.

### Offering either Enhanced 1-2 Meter GPS or standard 2-4 Meter GPS

Choose 2-4 meter standard GPS or 1-2 meter Enhanced GPS capability for data collection in the field that cannot be beat by any other rugged tablet. No fumbling with an extra antenna connection – the Yuma 2 offers GPS acquisition even in multi-path environments without compromising its IP65 rugged exterior – the antenna is integrated into the tablet form factor. It does include an antenna connector for even more accurate GPS data collection. Workers can collect data quickly and efficiently with start-up times of less than 33 seconds from a cold start and less than 3 seconds in a warm start, making data acquisition part of a standard workflow.

### Distributed Asset Management

Today's fast-paced business world relies on assets distributed across wide geographical areas and the Yuma 2 is designed for this reality. The 5 megapixel camera provides video and photo capture with geo-tagging. When used with either the standard, or Enhanced GPS solutions, there's a Yuma 2 model that meets with your data collection needs for distributed asset management, work order management, fleet logistics and more.

### For Professionals in the Field

Unlike consumer products or tablets that have been given an exterior shell to make them "rugged," the Trimble Yuma 2 is built rugged from the inside out, with IP65 protection from dust and water, and with military-grade MIL-STD-810G certification for temperature, altitude, humidity extremes, vibration and shock.

Using the Microsoft Windows 7 Professional operating system and 4 GB of DDR3 DRAM, the Yuma 2 allows mobile users to work with the same documents and data as they do in the office. Connectivity via Bluetooth, Wi-Fi and optional 3.75G GSM cellular data module enables manageable and efficient workflows wherever your mobile workforce goes. The Yuma 2 tablet computer includes a dual-core 1.6 GHz Intel Atom processor to run software applications fast and reliably.

The Yuma 2 includes two USB host ports, HDMI output and a matched set of batteries that can be hot-swapped out in the field. There are six keys including three user-programmable function buttons and a 5-way directional keypad.

For security, the Yuma 2 provides a built-in, certified Trusted Processing Module (TPM) encryption module to allow security programming for Wi-Fi and direct connect authentication, making it FIPS 140-2 compliant. A Kensington security port provides your workers with the ability to physically secure the Yuma 2 using a variety of Kensington computer security products.

### Built for Work in the Real World

In the field, on the job site, on the road, or in the office, the Yuma 2 rugged tablet computer has the features you need to get important work done no matter where that work takes you.



# Yuma 2 Rugged Tablet Computer

## STANDARD FEATURES

- Transflective technology (TFT) direct sunlight readable color display
- Microsoft® Windows 7 Professional operating system
- Intel Atom N2600 dual-core 1.6 GHz processor
- 4 GB DDR3 DRAM volatile memory
- 64 or 128 GB solid state drive
- 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)
- GPS receiver, Enhanced 1-2 meter accuracy or 2 - 4 meter accuracy with SBAS
- Kensington security slot
- Accelerometer and Electronic Compass
- 3.75 G WWAN data connectivity optional
- Status LEDs for power, battery charging, Wi-Fi and 3G Data
- 12-month manufacturer warranty

## STANDARD SOFTWARE

- Microsoft® Windows 7 Professional
- Internet Explorer
- Camera software with geo-tagging
- Trimble® GPS Information receiver control software

## STANDARD ACCESSORIES

- Standard battery set (5+ hour)\*
- International AC Charging Kit with 4 adapters
- Capacitive Stylus with Tether
- Hand Strap
- Display Cleaning Microfiber Cloth

## OPTIONAL ACCESSORIES

- Extended Battery Set (10+ hour)\*
- Office Docking Station
- Vehicle Charger 12 - 32 VDC input
- Tactical Vehicle Hard Mount (Dashboard)
- Light Duty Vehicle Soft Mount (Window)
- Screen Protectors with Microfiber Cloth
- Carrying Case
- USB to Serial Adapter
- GPS Adapter with SMA port
- External GPS Antenna Kit w/ Adapter
- Capacitive Touch Gloves
- Rugged USB keyboard
- Pole Mount

## ENVIRONMENTAL SPECIFICATIONS

Certified IP65 and MIL-STD-810G.

**Water:** Survives driving rain and water spray, IEC-60529 IP-6X Jetting water, 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)

**Dust:** Protected against dust: IEC 60529, IPX5 dust chamber under pressure.

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

**Operating Temperatures:** -20° to +60° C (-4° to +144° F) MIL-STD-810G, Method 502.5 Procedure II & III (Low Temp, Operating); Method 501.5, Procedure II (High Temp Operating)

**Storage Temperatures:** -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)

**Temperature Shock:** Cycles between -22° F to 144° F (-30 °C to +60° C) MIL-STD-810G, Method 503.5, Procedure I-C (Operating Temp Shock).

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

**Altitude:** Operational at 15,000 ft (4,572 m) at 73° F (23° C), MIL-STD-810G, Method 500.5, (Altitude) Procedure I, II & III

**Vibration:** General minimum integrity and loose cargo tests. MIL-STD-810G, Method 514.6, Procedure I Procedure II, Category 5 (Vibration: Truck/Trailer-Loose Cargo, Annex C, figure 514.6C-4, Table 514.6C-1, one hour).

**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.

## PHYSICAL

Size (LxWxH) ..... 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

Colors ..... Yellow, Gray, and Gray with Yellow border

Keys ..... Six keys (Logon, Power, Function, 3 user-programmable function keys) and 5-way directional keypad

## YUMA 2 PRODUCT MODELS

| Win 7 Model | SSD    | 3.75 G WWAN | GPS   | IP Rating |
|-------------|--------|-------------|-------|-----------|
| C           | 64 GB  |             | 2-4 m | IP65      |
| CL          | 128 GB |             | 2-4 m | IP65      |
| CX          | 64 GB  | Yes         | 2-4 m | IP65      |
| CLX         | 128 GB | Yes         | 2-4 m | IP65      |
| GL          | 128 GB |             | 1-2 m | IP65      |
| GLX         | 128 GB | Yes         | 1-2 m | IP65      |

## HARDWARE SPECIFICATIONS

**Processor:** 1.6 GHz Intel Atom N2600 dual-core processor

**Memory:** 4 GB DDR3 DRAM volatile memory

**Storage:** 64 GB or 128 GB SSD (Enhanced GPS: 128 GB SSD only)

**Display:** 7" 1024 x 600 hybrid reflective and transmissive (transflective) with capacitive touch screen

**Battery\*:**

- Smart batteries with LED power indicators.
- **Standard battery:** Two 7.5v, 3000 mAh, 21.6 Wh
- **Optional Extended battery:** Two 7.5v, 6000 mAh, 43.2 Wh

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

**GPS Receiver:** 1-2 meter accuracy (with SBAS) or 2-4 meter accuracy (with SBAS)

**Radios:** Bluetooth 4.0; Wi-Fi b/g/n

**WWAN:** Penta-band GSM 3.75 Data only module

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

## CERTIFICATIONS:

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



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