



Trimble Yuma 7

TABLET COMPUTER

EVERYTHING YOU HAVE EVER NEEDED IN A RUGGED TABLET

The Trimble® Yuma® 7 tablet is a 7-inch, fully-rugged field tablet for professional organizations that know they can't afford to take shortcuts. Bringing together the scalable flexibility of the Trimble EMPOWER Platform, a bold 7-inch tablet form-factor, and the industry-leading Windows® 10 Pro OS, the Yuma 7 delivers a perfect combination of strength, smarts, and flexibility, making it perfectly suited to large scale field data capture in nearly any industry and application.

Customization comes standard

Introducing the Trimble EMPOWER Platform: a modular expansion system that gives you the power to customize your mobile computing solution to your workflow, and the confidence of knowing that your investment is scalable for future needs.

With Trimble EMPOWER-enabled modules, you can add specialist features such as high-accuracy GNSS, or RFID Asset tracking to your devices, or bring your own solution to life through the EMPOWER platform developer program. The developer program is accessible to both hardware and software developers, empowering anyone to create solutions that transform the way the world works.

Built to handle the big jobs

At 7 inches, the Yuma 7's high-resolution Gorilla Glass display provides the perfect combination of size and robustness to survive the rigors of real-world use. The Yuma 7 delivers powerful and dependable system capabilities, including 4G mobile data connectivity, wireless communications and broad peripheral support, all aimed at getting more work done faster, and in more places than ever before. Yuma 7 is completely rugged, MIL STD-810G and IP68 tested, and purpose built to perform in almost any environment, hot or cold, wet or dry.

Windows 10 Professional means business

The Yuma 7 is powered by Windows 10 Pro, the industry leading professional operating system for businesses. Using Windows 10 Pro you can move seamlessly from field to office by running both field applications and office applications on a single device. With the enterprise-grade security capabilities built right into Windows 10 Pro, the Yuma 7 can be integrated seamlessly with your IT infrastructure, no matter how large (or small) your organization is.

Maintenance and service plans that you can depend upon

Investing in equipment that is destined for years of outdoor operation demands quality that you can trust, comprehensive technical support when it is needed, and professional service and maintenance coverage should something go wrong. Trimble stands by the quality of our products with a full 2-year factory warranty with options to extend that coverage up to a total of five years. Trimble also provides access to professionally trained service technicians and comprehensive technical support, anywhere in the world.

Key Features

- ▶ **Trimble EMPOWER Platform:** Delivering a flexible, versatile, field solution that is scalable for future needs.
- ▶ **High definition 7-inch sunlight readable touchscreen:** The perfect display for big jobs.
- ▶ **4G LTE mobile data, 802.11 a/b/g/n and Bluetooth 4:** Reliable high-speed wireless connectivity on the go, when and where you need it.
- ▶ **Windows 10 Pro:** Compatibility with existing workflows and infrastructure, and enterprise level security functionality that you can trust.
- ▶ **Trust Trimble:** Professional maintenance and service plans that you can depend upon



PLATFORM

- CPU: Intel Pentium N4200
- Graphics: Intel® HD Graphics 505

OS & SOFTWARE

- Operating System: Microsoft Windows 10 Professional
- Pre-loaded software package includes: Trimble® EMPOWER™ Hub, Trimble GNSS Status, Universal Windows Platform Apps

MEMORY/STORAGE

- 8 GB RAM
- 128 GB SSD (EMMC)
- Storage expansion: via microSD card slot (SDXC up to 256 GB)
- SanDisk® or Kingston® recommended

DISPLAY & TOUCH PANEL

- Display: LED backlit, Gorilla® Glass
- 10 point capacitive multi-touch with rain mode
- Size: 7 inches (16:10 aspect ratio)
- Resolution: 1280 x 800 pixels
- Brightness: Daylight Readable, 800 cd/m²

CAMERAS

- Rear: 8 MP AF with LED Flash
- Front: 2 MP

WIRELESS

- 802.11 a/b/g/ac/n (2.4 GHz/5 GHz ISM radio band)
- Bluetooth 4.2 (including BTLE) wireless technology

MOBILE DATA 3G, 4G/LTE (OPTIONAL)

- Americas/EMEA region
 - WWAN Module: Sierra Wireless EM7455
 - 3G - HSPA+, UMTS Bands: B1, B2, B3, B4, B5, B8
 - 4G - LTE Bands: B1, B2, B3, B4, B5, B7, B12, B13, B20, B25, B26, B29, B30, B41
- APAC region
 - WWAN Module: Sierra Wireless EM7430
 - 3G - HSPA+, UMTS Bands: B1, B5, B6, B8, B9, B19
 - 3G - TD-SCDMA Band B39
 - 4G - LTE: Bands: B1, B3, B5, B7, B8, B18, B19, B21, B28, B38, B39, B40, B41
- SIM Type: micro

GNSS

- Chipset: Ublox NEO-M8T
- Horizontal accuracy²: 2-4 m (RMS)
- Constellations: L1 GPS, GLONASS, BeiDou, SBAS
- Supports raw-data output (post-processing) and RTCM 2.3

SOUND

- Integrated Speaker & Microphone

SENSORS

- 3-axis accelerometer
- Magnetic sensor
- Gyroscope
- Ambient light sensor

I/O

- Keypad:
 - User programmable, 4-way Directional pad, with non-programmable Enter key.
 - 4x user programmable function keys.
 - Windows Home key.
 - Power
 - Volume +/- keys
- External GNSS antenna jack - MMCX connector
- Replaceable I/O Boot
 - DC power input (19 V)
 - 2x USB 3.0 host (type A)
 - 3.5 mm Audio/headset jack

BATTERY AND POWER¹

- Dual, Li-Ion hot-swappable battery packs. Field replaceable.
- Capacity: 7.2 V, 3150 mAh, 22.9 Wh nominal (each battery)
- Charging time: Full-charge 3.5 hours, 2 hours to 80 % capacity
- LED Battery charge level indication built into each battery
- Battery Life: Typically 7 hours. (depending on display setting, connectivity, data processing etc)

TRIMBLE EMPOWER PLATFORM READY

- Trimble EMPOWER module slots: 2
- Compatible with "Trimble EMPOWER Enabled" modules

ENVIRONMENTAL SPECIFICATIONS**IEC ratings:**

- Water/Dust ingress: IP65 and IP68. (IEC 60529)

MIL-STD-810G test ratings

- Operating temperature: -20 °C to +60 °C (-4 °F to +140 °F)
- Storage temperature: -40 °C to +70 °C (-22 °F to +158 °F)
- Free drop: 1.2 m on concrete (Method 516.5 Procedure IV)
- Heavy vibration (Method 514.5 Procedure I Category 24)
- Humidity: 95% RH Non-condensing (MIL-STD-810G Method 507.6, Procedure II)
- High altitude operation: 30,000 ft (MIL-STD-810G Method 500.5)
- High altitude transport: 40,000 ft (MIL-STD-810G Method 500.5)
- Solar exposure (MIL-STD-810G, Method 505.5, Procedure II)

PHYSICAL DIMENSIONS

- Size (L x W x H): 165 mm x 245 mm x 50 mm (6.5" x 9.65" x 2")
- Weight: 1.2 kg (2.6 lbs) with batteries

COMPLIANCE

- FCC part 15 (Class B device), CE Mark, RoHS.

IN THE BOX

- Trimble Yuma 7 tablet computer with Windows 10 Pro
- One Battery pair
- AC Power adapter/charger
- Stylus and tether
- Screen Protector
- Accessory screwdriver
- Documentation

OPTIONAL ACCESSORIES

- Battery Charger
- Shoulder Sling
- External GNSS Antenna
- Tempered Glass Screen Protector
- USB desktop hub
- Survey Pole Bracket
- Vehicle Hard Mount Bracket
- Fabric Carry Pouch
- DC Vehicle Charger for 12 V/24 V systems. (9 Vdc-32 Vdc)
- USB to RS232 adaptor

DEVELOPER RESOURCES

EMPOWER Platform Developer Program: Including access to generic Windows 10 SDK assets and resources, a hardware MDK for customized EMPOWER Module developers and specific SDKs for software developers seeking to create custom apps leveraging Trimble EMPOWER Modules. For more information go to:

<https://empower.trimble.com/developer/>

- 1 Battery operating and recharge times will vary based on a wide range of operating conditions and user preferences, such as screen brightness, battery conditioning, temperature, operating system settings, data connectivity and software applications.
- 2 GNSS accuracy may be affected by environmental conditions including multipath, obstructions, satellite geometry and atmospheric conditions. Specified accuracy assumes open-sky conditions, horizontal antenna mounting, and SBAS corrections are used. Ionospheric conditions, multipath signals or obstruction of the sky by buildings or heavy tree canopy may degrade accuracy.

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