



# THE FIELD COMPUTER FOR EVERY GEOMATICS APPLICATION

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**F**inding a field computer that fits seamlessly into your workflow can be difficult. In the geomatics and geoinformatics fields, robust computers are needed for data accuracy, efficient work, cost savings, and seamless connectivity with other users. Often that means working with several pieces of computer equipment, getting intensive training, and bearing a substantial cost. But not anymore.

The new Mesa® Pro Rugged Tablet from Juniper Systems has the robust computing power, rugged durability, seamless connectivity and deep customisations that smart geomatics professionals need to manage a wide range of requirements.

Juniper Systems developed or enhanced each feature of the Mesa Pro from previous technology used in our rugged tablets. Each feature was developed in response to a need we anticipated or that was requested directly from our users. And while the basics of geomatics, surveying, and GIS are similar, the specific applications are different, raising the need for customised features to fit each unique project.

The Mesa Pro is Juniper's first 10-inch rugged tablet that's perfect for professionals in any geomatics field, from geospatial analysis, to mapping, to surveying.

## A SCREEN FOR RAIN AND SHINE

In geomatics, there is no 'normal' work environment. Your office is wherever you are: your vehicle, a forest, an expansive field, a construction site – and usually directly in the sun and the elements outdoors. The Mesa Pro's high-visibility backlit LCD display offers peak brightness for a clear screen even in direct sunlight. An integrated polariser (in landscape orientation) allows for use with polarised sunglasses.

Light isn't the only issue users face when in the field. Where touchscreen capabilities tend to fail in most conditions other than dry and warm, the Mesa Pro offers specific touch profiles for regular use, gloved hands, or wet screen conditions.

The large, 10.1-inch screen has a resolution of 1920 x 1200, which means it shows more data within the boundaries of the screen, so there is less scrolling. Whether looking at maps, GIS software, or data capture programs, users can expect to

see more of their data on screen at once.

## SPEND MORE TIME UNPLUGGED

The Mesa Pro features a battery design that matches the long hours typical for geomatics work. The battery provides 43.2 Whr of operating time, and an optional, additional battery provides another 43.2 Whr of operation. The dual battery approach allows for easy charging in the field, and the batteries are hot-swappable, so you're never without computing power.

An integrated LED charge indicator also provides instant feedback when swapping batteries, making sure users always have a full charge. A dual bay battery charger is available that allows for fast charging of two batteries, or the Mesa Pro itself is capable of internal rapid charging: 50% battery charge can be reached in less than 1 hour, and 100% battery charge is achieved in just 2 hours and 15 minutes. Users aren't tethered to an electrical outlet for long before they can get back out in the field.

## TOUGH AS YOU NEED IT

Keeping with Juniper's long history of rugged, field-ready technology for an outdoor office, the Mesa Pro has an aluminum frame that provides the whole device with a rigid core. The larger display requires more support because that is the area with potential for the most damage from a drop.

An optically-bonded screen and the frame underneath provide protection to the display. And, in case of a drop, direct impact to the screen is avoided thanks to the raised corner bumpers which provide a gap between the screen and the ground.

Like all of Juniper's computers, the Mesa Pro is Juniper Rugged™. Mesa Pro has been tested to meet MIL-STD-810H (USA military standard) certifications. This testing includes repeated drops from four feet to concrete to prove shock resistance, and operating in extreme hot and cold temperatures. Plus, the Mesa Pro's ports are sealed against rain and blowing dust.

## CONNECT YOUR WORKFLOW SEAMLESSLY

As a tool that is used daily, the Mesa Pro offers a wide range of inputs and connectivity options for collecting, reading and sharing data. Connectivity paired with

the larger screen makes the Mesa Pro an easy upgrade to any field computer and is also a perfect laptop replacement.

With 19V DC power input, multiple USB ports, and an audio jack, other devices or computers can share information seamlessly. For wireless connectivity, the Mesa Pro works with many carriers' 4G LTE networks (cellular-enabled devices), Wi-Fi, or Bluetooth®.

## CUSTOMISE IT TO FIT ANY NEED

Mesa Pro was designed with the potential to be customised to specific needs, because every geomatics project is different. Options range from simple branding to hardware integrations. Juniper Systems can customise the bumper colors as well as display your company's logo on the device casing and during the power-up screen.

In the Mesa Pro, hardware solutions are easily integrated in two areas within the device that are purposely available for expansion. Potential integrations include radios, sensors, RFID and barcode readers, antennas, or other functionality that is required. The goal with customisation is to streamline processes and equipment so only one device is needed: the Mesa Pro. These customisations are possible because the Mesa Pro is manufactured and assembled in Juniper's USA-based facility.

## NOW SHIPPING

Mesa Pro is now available from Juniper Systems. Our demo program is available to test the Mesa Pro's durability, connectivity and new features in your own environment. Contact us today for a quote: in EMEA call +44 (0) 1527 870773; in North America call +1 (435) 753-1881; or contact us by email at [rugged@junipersys.com](mailto:rugged@junipersys.com). Learn more at [https://junipersys.com/mesa\\_pro](https://junipersys.com/mesa_pro).

Based out of Logan, Utah, USA, and Birmingham, UK, Juniper Systems (<https://junipersys.com>) is a world leader in the design and manufacture of ultra-rugged handheld computers and provides field data collection solutions for use in extreme environments. Since 1993, professionals have utilised Juniper Systems' innovative mobile technology in the railway, geomatics, mapping, surveying, construction, industrial, natural resources, mining, military, utilities and public sector markets.