

Juniper Mesa Rugged Handheld

Rugged Notepad - The Best of Both Worlds

Meet the Mesa Rugged Notepad™ featuring the advantages of both a tablet PC and a rugged handheld computer, without the disadvantages of either.

The Mesa is a data collection powerhouse with massive screen real estate, yet still feels like a compact handheld at the end of the long work day.

Like other Rugged Systems products, the Mesa provides a battery life that lasts an amazing 16 hours, includes a speedy Windows Mobile® OS, and is rugged enough to use as a wheel chock if the truck starts to roll.

Customers are our passion. We are dedicated to exceeding your expectations. Providing intuitive field computing solutions designed for rugged applications is what we do. Your applications fulfil the potential of the Mesa.

Massive Screen Real Estate - Bigger is better. That's definitely true of the Mesa's 5.7 inch VGA active viewing display. No other Windows Mobile® rugged handheld computer sports a screen bigger than the Mesa. Plus, the screen is bright enough to easily see in the great outdoors.

Unique to the Mesa is its one-of-a-kind Juniper Systems home screen. This custom home screen puts the most-used device functions in an on-screen dashboard for easy access. Features include user-defined shortcuts and 11 screen gadgets for controlling wireless connections, GPS, texting, email, calendar, and power functions.

Built to survive the harshest environments, the Mesa is the perfect companion for everything rugged. This tough heap of equipment can survive four foot drops onto concrete, full immersion in water, and temperatures up to a scorching 122°F.

The Mesa is fully waterproof and dustproof, earning it an IP67 rating. It is also tested to MIL-STD-810G for water, humidity, sand and dust, vibration, altitude, shock, and temperature. Visit the Mesa's specifications page for all the nitty-gritty details on this rugged handheld computer.

Power Up - With two battery slots, the Mesa is sure to last through the most rigorous usage. It operates for up to 16 hours with two batteries, and only takes a quick 2-4 hours to fully charge. And if push comes to shove, the batteries are warm-swappable in the field, ensuring continued use without losing any data.

We Want You - Rugged Systems seeks to establish strong relationships with companies that offer total solutions to agriculture, natural resource, industry, geomatics, public works, and military markets. We offer high quality rugged handheld computers with long-term reliability, excellent customer service, and unique product customization. If you are looking for a reliable, rugged handheld computer for your solution and a long-term business partner, contact us today.



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Rugged Systems is one of Europe's leading suppliers of rugged, mobile computer, display and communications solutions and services. Specialising in applications such as test & measurement, command and control, data acquisition, secure data & computing, TEMPEST and ultra-reliable message transfer over noisy tactical communication channels. The company strives to be innovative and provide cost effective solutions, through many years of knowledge and experience

Mesa Specifications



FUNCTIONAL

Processor	806 MHz PXA320 Processor
Memory	256 MB RAM
Storage	4 GB Flash Storage SD/SDHC slot, user accessible
Display	Active viewing area: 5.7" (145 mm) VGA (640 x 480) High visibility backlit LCD Portrait or Landscape orientation
I/O Ports	COM1, RS-232C 9-pin D connector with 5VDC power on DTR pin USB Host (Full A), USB Client (Mini B) 12VDC @ 800mA, 10–18V unregulated 3.5 mm audio jack, supports speaker/microphone or stereo output (pin detect) 15 control buttons (6 user re-assignable) Five-way directional navpad Adjustable LED backlit keys
Integrated Communications Options	Bluetooth® wireless technology, 2.0+EDR, Class 1, range 100 feet (30 m) Wi-Fi 802.11b/g Quad-band 3G GSM/GPRS/EDGE:850/900/1800/1900 MHz Data communication interface, SMS Camera (Geo models): 3.2MP resolution with autofocus & Juniper Geotagging; embed and emboss photo with date, time, and GPS position GPS (Geo models): 2 to 5 meter typical accuracy & Integrated real-time SBAS
Operating System	Microsoft® Windows Mobile® 6.5.3 Multiple languages

ENVIRONMENTAL (MIL-STD-810G/IP67)

Temperature	MIL-STD-810G Test Procedures: Method 501.5 High Temperature; Method 502.5 Low Temperature; Method 503.5 Temperature Shock; Method 507.5 Humidity; Operating: -20°C to +50°C (-4°F to +122°F) Storage: -30°C to +70°C (-22°F to +158°F) Note: Bluetooth® wireless technology is rated to -20°C (-4°F)
Rain/Dust	IP67, MIL-STD-810G Test Procedures: Method 506.5 Rain; Method 510.5 Sand and Dust; Method 512.5 Immersion; Dust - (Protected against dust - limited ingress), Water - (Protected against sprays from all directions - limited ingress)
Vibration	Method 514.6 Vibration;
Drop	Multiple drops from 4 ft. (1.2 m) onto concrete
Shock	MIL-STD-810G Test Procedures: Method 516.6 Shock
EMI/EMC	FCC Class B CE Marking (applicable EMC, R&TTE, and LVD directives) Industry Canada EN60950 Safety RoHS Compliant

PHYSICAL

Dimensions	Standard models: 5.3"w x 7.9"l x 2"d (136 mm x 200 mm x 51 mm) Geo models: 5.3"w x 8.6"l x 2"d (136 mm x 220 mm x 51 mm)
Weight	1.9 lbs (862 g) with one battery, 2.2 lbs (998 g) with two batteries
Chassis	Magnesium alloy case front, plastic back, Mounting holes for external accessories, Adjustable, multi-position hand strap, Easy to grip, impact absorbing bumpers

ELECTRICAL

Power	Intelligent Li-Ion battery 7.4VDC @ 2550mAh, 18.87Whr Two battery slots, warm-swappable Operates for up to 16 hours on one charge Charges in 2 to 4 hours Battery easily changeable in field
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OPTIONS

Standard Accessories	Li-Ion battery, Hand strap, Stylus, USB download cable, 100-240VAC power supply & Screen protector
Optional Accessories	Travel charger, 12VDC Vehicle Charger, International AC charger kit & Mesa Mobile Dock

Information in this document is subject to change without notice.



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