mesa™
Military Rugged Handheld

Tested to MIL-STD-810G for water, humidity, sand and dust, vibration, altitude, shock, and temperature

ROCK solid field ready

Mesa Rugged Notepad™—built to withstand humid jungles, unforgiving deserts, and punishing frigid landscapes often present in the defense of freedom. The world's harshest environments are no match against the Mesa, **designed to meet and exceed stringent military specifications.**

JUNIPER® systems

MESA
Rugged Notepad
OD GREEN | NATO GREEN

Commercial Off-the-Shelf (COTS) for Military Applications

Extreme environments do not threaten the Juniper Systems Mesa Rugged Notepad, especially when freedom is at stake. The Mesa meets the COTS (commercial off-the-shelf) requirements for rugged mobile computers, without modifications or cumbersome add-on equipment. In addition, its adaptability through expansion or customization is advantageous for military applications that require product modification.

Business Partnerships Welcome

Juniper Systems seeks to establish strong relationships with companies that offer total solutions to the military. We offer high quality handheld computer products with long-term reliability, excellent customer service, and product customization. If you are looking for a rugged, reliable mobile computer for your military solution and a long-term business partner, call us today.

[available color options]

Homeland Security | **Operations** | **Logistics** | **Intelligence** | **Communications**

mesa specifications

Processor
• 806 Mhz PXA320 Processor

Operating System and Software
• Microsoft® Windows Embedded Handheld 6.5
• Multiple languages

Memory and Data Storage
• 256 MB RAM
• 4 GB Flash Storage
• SD/SDHC slot, user accessible

Display
• Active viewing area: 5.7" (145 mm) color VGA LCD (640 x 480)
• High visibility backlit LCD
• Portrait or landscape orientation

Keyboard
• 15 control buttons (6 user reassignable)
• Five-way directional button
• Adjustable LED backlit keys

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
• 3.5mm audio jack, supports speaker/ microphone or stereo output (pin detect)

Physical
• Size, Standard models: 5.3"w x 7.9"l x 2"d (136 mm x 200 mm x 51 mm)
• Size, 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

• Magnesium alloy case front, plastic back
• Mounting holes for external accessories
• Adjustable, multi-position hand strap
• Easy to grip, impact absorbing bumpers

Environmental
• IP67 waterproof and dustproof
• Operating Temperature: -22F to 140F (-30C to +60C)
• Storage Temperature: –22F to 158F (–30C to 70C)
  Note: Bluetooth and Wi-Fi rated to –4F (–20C)
• Shockproof: multiple drops from 4' (1.2 m) onto concrete
• MIL-STD-810G Test Procedures: Method 500.5 Low Pressure (Altitude); Method 501.5 High Temperature; Method 502.5 Low Temperature; Method 503.5 Temperature Shock; Method 506.5 Rain; Method 507.5 Humidity; Method 510.5 Sand and Dust; Method 512.5 Immersion; Method 514.6 Vibration; Method 516.6 Shock
• MIL-STD-461F

Power
• Intelligent Li-Ion battery 7.4VDC @ 2550mAh, 18.9Whr
• Two battery slots, warm-swappable
• Operates for up to 16 hours on one charge
• Charges in 2 to 6 hours
• Battery easily changed in field

Wireless Connectivity Options
• Bluetooth® wireless technology, 2.0 +EDR, Class 1, range 100 feet (30 m)
• Wi-Fi 802.11b/g
• 3G GSM cellular data modem Tri-Band

UMTS/HSDPA 850/1900/2100 MHz Quad-Band GSM 850/900/1800/1900 MHz
• Data communication interface, SMS

Camera (Geo models):
• 3MP 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/WAAS

Certifications and Standards
• FCC Class B
• CE Marking (applicable EMC, R&TTE, and LVD directives)
• Industry Canada
• EN60950 Safety
• RoHS Compliant

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

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