



mesa™

Mesa with Barcode Scanner



Rock Solid, Field Ready

Defying the standard is what the Mesa does best, now featuring an integrated high performance 1D/2D barcode scanner. No other barcode imager exists with a large 5.7 inch display and still fits comfortably in one hand like the Mesa with Barcode Scanner — your ultimate asset management tool for rugged environments.

Mesa with Barcode Scanner

Just Point and Scan

The Mesa with Barcode Scanner works at lightning speed, decoding 1D and 2D barcodes in seconds. It excels outdoors in sunlight or shadows, at various angles and distances, and even scans through glass. For superior accuracy, the Mesa with Barcode Scanner features a laser target to aim, as well as a pick list mode for easy selection of multiple barcodes in close proximity. Its Motorola™ scan engine is compatible with the majority of barcode scanning software, plus our Barcode Connector™ utility is included and ready to use right out of the box.

As always, the Mesa with Barcode Scanner is just as rugged as the Mesa alone — IP67, four foot drops onto concrete, designed to MIL-STD-810G, and extreme operating temperatures.

Business Partnerships Welcome

Juniper Systems offers high quality handheld computers with long-term reliability, excellent customer service, and product customization opportunities. Contact us today if you're looking for a rugged, reliable mobile computer to complete your solution.



Facility & Asset Management

Transportation & Logistics

Utilities

Inventory

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 2.4" d (136 mm x 200 mm x 60 mm)
- Size, Geo models: 5.3" w x 8.6" l x 2.4" d (136 mm x 220 mm x 60 mm)
- Weight: 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 131F (-30C to 55C) with barcode scanner
- Shockproof: multiple drops from 4' (1.2 m) onto concrete
- Designed to MIL-STD-810G for water, humidity, sand and dust, vibration, altitude, shock, and temperature

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):

- 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/WAAS

Certifications and Standards

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

Mesa 1D/2D Barcode Imager

- Class 1 Laser Product
- EN 60825-1 Laser Safety
- Sensor resolution: 752 X 480
- Field of view: horizontal 40°, vertical 25°
- Barcode can be read from various angles, skew & pitch ±60°, roll 360°
- Read range: 1"–24" depending on code type, size, density
- Symbolologies: all common 1D, 2D (PDF417, MicroPDF417, Composite, RSS, TLC-39, Data matrix, QR code, Micro QR code, Aztec, MaxiCode, Postal codes)
- Programmable trigger buttons
- Visible aiming crosshair with low light illumination
- Barcode Connector™ utility, wedge and configuration, SDK support available



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