



# mesa<sup>®</sup>

## For Hazardous Locations



### Rock Solid, Field Ready

As if the solid design of the Mesa Rugged Notepad<sup>®</sup> didn't give you enough confidence in your hardware, the Mesa for Hazardous Locations certainly will. Designed specifically for the intrinsically safe market, the Mesa for Hazardous Locations is Class I, Division 2 non-incendive certified to safely collect data where explosive gases, liquids, or vapors may be present.



1132 West 1700 North, Logan, Utah 84321 USA

# Mesa for Hazardous Locations

## Be Safe Out There

Wherever your work takes you, whether to petrochemical plants, gas and oil pipelines, refineries, or other explosive environments, trust the Mesa for Hazardous Locations to keep you and your data safe. The Class I, Division 2 non-incendive certification is available for all three models (Standard, Geo, & Geo 3G) of the Mesa Rugged Notepad and guarantees uncompromised safety, day in and day out.

## One-of-a-Kind

The Mesa for Hazardous Locations is the only Class I, Div 2 certified handheld in its class that offers unsurpassed screen size and the universal Windows Mobile® operating system. Add the functionality of the integrated Mesa 1D/2D barcode scanner and you have a unique and powerful solution sure to improve your data collection processes.



Facility & Asset Management

Transportation & Logistics

Oil & Gas

Chemical Plants

## specifications

### Processor

- 806 Mhz PXA320 Processor

### Operating System and Software

- Microsoft® Windows Mobile® 6.5.3
- 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
- Non-Incendive Class I, Div 2 per approval standard UL 1604 CSA 213

### Mesa 1D/2D Barcode Imager (Optional)

- 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
- Symbologies: 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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