The Mesa 2 Rugged Tablet brings with it a whole new data collection experience. As the first Juniper Systems device to run a full Windows® operating system, the Mesa 2 allows you to collect and analyze your data from start to finish, without ever touching a desktop. The following specifications describe the inner workings of the Mesa 2, ensuring absolute ruggedness and reliability, and enabling it to become your office, anywhere.

**Processor**
- Quad-core Intel® Atom™ 23745 processor

**Operating System and Software**
- Microsoft® Windows 10 or Android™ 5.1 (not compatible with Google Play store/Google services)
- Multiple languages supported (English, French, Spanish, German, Portuguese)

**Memory and Data Storage**
- 4 GB RAM (LPDDR3)
- 64 GB or 128 GB flash storage options
- User-accessible MicroSDXC card slot

**Graphics**
- Intel HD Graphics

**Display**
- Active viewing area: 7" (178 mm)
- Resolution: WXGA (1280 x 800)
- High-visibility backlit LCD for best-in-class sunlight view-ability
- Portrait or landscape orientation with automatic screen rotation

**Touch Screen**
- Projected capacitive multi-touch interface for use with gloves, small tip stylus, and in wet conditions
- Optically bonded for increased visibility and strength
- Chemically-strengthened Dragontrail™ High Ion-Exchange (HIE™) cover glass for excellent impact and scratch resistance

**Keyboard**
- Adjustable LED backlight keys
- Four-way directional navpad
- Windows/home key
- Power key
- Enter key
- Three user-programmable function keys
- OEM configurable/customizable

**Juniper Rugged™**
- IP68 waterproof and dustproof
- Operating temperatures: -12° F to 122° F (-20 C to 50 C)
- Storage temperature: -22° F to 158° F (-30 C to 70 C)
- Shockproof: multiple drops from 4’ (1.2 –1.5 m) onto concrete
- Designed for MIL-STD-810G test procedures: Method S010.5 Low Pressure (Altitude)/Method S01.5 High Temperature/Method S025.5 Low Temperature/Method S035.5 Temperature Shock/Method S065.5 Rain/Method S075.5 Humidity/Method S010.5 Sand and Dust; Method S12.5 Immersion; Method S14.6 Vibration; Method S16.6 Shock

**Wireless Connectivity Options**
- Long-range Bluetooth® Smart Ready Smart Ready wireless technology, v4.0 +EDR, Class 1,5, BLE support
- Wi-Fi® 802.11 a/b/g/n, 2.4 GHz and 5 GHz
- 4G LTE, support for GSM or Verizon (Windows 10 only)

**Camera (Geo Models)**
- Rear: 8 MP with LED illumination
- Front: 2 MP
- Juniper Geotagging™: embed photo with date, time, and GNSS position

**GPS/GNSS (Geo Models)**
- 2 to 5 meter typical accuracy
- uBox NEO-M8F GNSS receiver and integrated antenna
- Integrated real-time SBAS receiver (WAAS, EGNOS, etc.)
- 72 GNSS tracking channels
- Optional: uBox NEO-M8F w/post-processing capability and external GNSS antenna pass-through connection for sub-meter accuracy

**Barcode 1D/2D Imager (Barcode Models)**
- Optional built-in barcode imager and decoder
- Symoboles: all common 1D and 2D PDF 417, MicroPDF417, Composite, RSS, TLC-39, Data matrix, QR code, Micro QR code, Aztec, MaxiCode, Postal codes, etc.
- Programmable trigger buttons
- Visible aiming bullseye with low-light illumination
- Barcode Connector™ Utility, wedge and configuration, SDK support available

**Memory and Data Storage**
- 64 GB or 128 GB flash storage options
- User-accessible MicroSDXC card slot

**Ports**
- USB 3.0 x 1
- 3.5 mm audio jack
- 12 VDC power input jack
- Docking port connections (Pwr, USB 2.0, & HDMI)
- Loud output speaker for noisy environments
- Dual digital microphone input for improved clarity
- Optional RS-232 9-Pin D-Sub connector with SVDC power output

**Battery**
- Removable Li-Ion battery, 39 Whr
- Operates 8–10 hours on one charge
- Removable battery, easily changeable in field
- Optimized for strong performance in cold temperatures
- Excellent lifecycle performance
- Optional internal 19-Whr battery provides hot-swap capability and an additional 4–5 hours runtime

**Physical**
- Size: 5.40”w x 8.48”h x 1.36”d (137 x 215 x 35 mm)
- Weight: 1.5–2 lbs (680–907 g) depending on battery configuration
- Durable, chemical- and shock-resistant design
- Easy-to-grip, impact-absorbing, overmolded bumpers
- Lightweight and ergonomic design

**Other Features**
- Ambient light sensor
- Compass
- Accelerometer
- Gyroscope
- Designed for MIL-STD-810G test procedures:
  - Method S010.5 Low Pressure (Altitude)
  - Method S01.5 High Temperature
  - Method S025.5 Low Temperature
  - Method S035.5 Temperature Shock
  - Method S065.5 Rain
  - Method S075.5 Humidity
  - Method S010.5 Sand and Dust
  - Method S12.5 Immersion
  - Method S14.6 Vibration
  - Method S16.6 Shock

**Certifications and Standards**
- FCC Class B
- CE Marking (applicable EMC, R&TTE, and LVD directives)
- Industry Canada
- EN60950 Safety
- RoHS 2 Compliant
- Optional Class I, II, & III, Division 2

**Standard Accessories**
- Standard removable battery
- AC wall charger with international plug kit
- Capacitive small-tip stylus w/tether
- Quick Start Guide
- Hand strap
- Connector port dust cover
- 2-year warranty

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