**MJ-100**

10.1” Rugged Tablet PC

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**Features**

- 10” Rugged Tablet
- Fast Cortex A-72 6-Core ARM Processor
- Android 7.0 Operating System
- 10-Point Capacitive Touchscreen
- Optional 4G LTE, & GPS Modules
- IP65 Water & Dust Protection
- 4’ Drop/Shock Rating (MIL-STD-810G)
- Long Battery Life, up to 8 Hours

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**Specifications**

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| **Ruggedness**    | IP65 Waterproof  
4ft Drop Resistant ( Corners on Plywood, MIL-STD-810G)  
Shock Resistant (MIL-STD-810G Method 516.6)  
ESD Protection: 4KV Touch, 8KV Air |
| **Processor**     | Cortex ARM Processor RK3399, 1.8GHz  
Option: Dual Core A-72 - High Performance  
Option: Quad Core A-53 - Low Power Use |
| **GPU**           | Mali-T860MP4 GPU - Supports OpenGL  
ES1.1/2.0/3.0, OpenCL 1.2, DirectX 11, 4K Video Codec |
| **OS**            | Android 7.0 |
| **System Memory** | 2GB LPDDR3-1866  
Option: 4GB LPDDR3 |
| **Storage**       | 32GB eMMC 5.1  
Option: 64GB, 128GB, 256 GB |
| **Buttons**       | Power On/Off (Hold for System Reset) |
| **LCD**           | 10.1” IPS, 1200x1920 Resolution, 250 NIT  
Anti-Reflective (AR), Anti-Glare (AG), Anti-Fingerprint (AF) |
| **Touchscreen**   | Capacitive 10-Point Multi-Touch  
Chemically Hardened Cover Glass (7H+) |
| **Audio**         | Built-In Microphone  
One Internal 1.0W Speaker |
| **Camera**        | Front Camera: 2MP  
Rear Camera: 8MP w/ Auto-Focus |
| **Wireless**      | Wifi 802.11 a/b/g/n/ac  
Bluetooth 4.0  
Optional NFC |
| **4G LTE (option)** | M2 Socket 4G LTE Module, Carrier Certification Available, LTE FDD/LTE TDD/WCDMA/HSPA+/TD-SCDMA/GSM/GPRS/GEDGE  
Supports Bands 850/900/1800/1900 MHz |
| **GPS (option)**  | Track up to 16 Satellites, 1575.42 MHz  
Device GPS Accuracy < 15m, 95% Typical Velocity Accuracy: 0.05m/s  
Heading Accuracy: 0.3 degrees  
Horizontal Position Accuracy: <10m  
Minimum Velocity Accuracy: 10m/s |
| **Sensors**       | G-Sensor |
| **Battery**       | 1x 30WH Li-On Polymer Battery, 2S1P, 3.8V, 8000mAh, 8 Hour Runtime |
| **I/O**           | 1x USB 3.0: Type A @1A  
1x MicroUSB 2.0 @ 1A  
1x HDMI Out; Type D  
1x Audio Jack, (3.5mm, 4 pole, Supports MiC In)  
1x DC Jack, 5.5mm OD  
1x TF Jack, Supports up to 64GB SDXC, SDHC, Up to SD 3.0)  
1x Docking Port, POGO connector |
| **Barcode (option)** | 2D: PDF147, QR Code  
1D: Code 128, 39, 11, 93, GS1, UPC A&E |
| **Mechanical**    | Front Chassis: Plastic & TPU Rubber  
Rear Chassis: Magnesium & Rubber  
Dimensions: 275 x 193 x 18.8mm  
Weight: 1.05KG |
| **AC Adaptor**    | 12V, 3A Output  
110-240 VAC in, Standard US Plug  
Option: Multi-Nation Plugs |
| **Environmental** | Operating Temp: 0 - 45°C  
Storage Temp: -20 - 60°C  
Humidity: 10%-90%  
ROHS: Compliant |
| **Regulatory**    | FCC  
IATA |

**Product Notes:** Specifications subject to change without notice. Storage Capacity, Battery Life, and other quoted specs may be approximated.
**Special Features**

**CPU:** Cortex ARM Processor RK3399, Dual Core Cortex A-72, Quad Core Cortex A-53

**RAM:** 2GB LPDDR3-1866MHz RAM, 4GB LPDDR3-1866MHz RAM

**Storage:** 32GB eMMC v5.1, 64GB eMMC v5.1, 128GB eMMC v5.1

**4G LTE:** Fibocom L710-CD (M2 Interface) LTE FDD/LTE TDD/WCDMA/HSPA+/TD-SCDMA/GSM/GPRS/EDGE

**4G LTE #2:** Sierra EM7455 4G LTE Module, M2 Format
4G: Cat-6, Bands: B1-B5, B7, B12, B13, B20, B25, B26, B29, B30, B41
3G: HSPA+, UMTS, Bands: B1, B2, B3, B4, B5, B8
CE, FCC, GCF, IC, NCC, PTCRB

**GPS:** Ublox-7 (on-board module), supports GPS/QZSS L1C/A, GLONASS L1 FDMA, SBAS: WAAS, EGNOS, MSAS

**Barcode Reader:** Newland NLS-EM3296 1D/2D (QR) Barcode Reader
2D: PDF417, QR Code (QR1/2, Micro), Data Matrix (ECC200, ECC000, 050, 080, 100, 140)

**LED:** AR, AG, AF Coatings

**Order Options**

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**Accessories**

- AC Adaptor
- Docking Station