FEATURES

- 10.1" IPS LCD Screen (1920x1200 Resolution)
- RockChip RK3399, 1.86GHz, Dual-core Cortex-A72, Quad-core Cortex-A53 Processor
- Android OS
- IP-65 Water & Dust Protection
- 4ft Drop/Shock Protection (MIL-STD-810G)
- Hot Swappable Battery for Unlimited Runtime
- Optional Outdoor LCD Display (1000 NIT)
- Options: Barcode Reader & NFC Reader

SPECIFICATIONS

RUGGEDNESS

Waterproof: IP-65 IEC60529
Drop Rating: MIL-STD-810G, 4ft to Plywood on 4 Corners
Shock Rating: MIL-STD-810G, Method 516.6, Procedure I, 40G Tms
ESD Protection: 8KV Touch, 15KV Air
EMC Test: Follows FCC

SYSTEM

Processor: RockChip RK3399, 1.86GHz, Dual-core Cortex-A72, Quad-core Cortex-A53
GPU: Mali-T860MP4
Memory: 2GB LPDDR3-1666
Options:
- 4GB LPDDR3-1666
OS: Android 7.1
Storage: 32GB eMMC 5.1
Options:
- 64GB eMMC 5.1
- 128GB eMMC 5.1

DISPLAY

Screen Size: 10.1" IPS
Resolution: 1920 x 1200
Brightness: 350 NIT
Options:
- 1000 NIT, Sunlight Readable
View Angle:
- E+ / - 85°
Contrast Ratio: 800:1
Touch Screen: Capacitive 10-Point Multi-Touch
Chemical Hardened Glass

COMMUNICATIONS

Wi-Fi: Bluetooth: Bluetooth v4.0
4G LTE: Option
GPS: Option
NFC: Option

I/O INTERFACE

Sensors: Gyroscope, Light Sensor
Audio:
- 1x Built-In Microphone
- 1x Internal 8mm 1W speaker
Camera:
- Front Camera: 2MP
- Rear Camera: 8MP with Auto Focus
Ports:
- 1x USB 3.1 @ 10A Type A
- 1x HDMI Output: Type A
- 1x Audio Jack (3.5mm, 4 Pole, MIC input)
- 1x DC Jack 5.5mm OD Jack
- 1x RJ45 Port: 10/100/1000M
Buttons:
- Power Button
- Windows Button
- Volume +, Volume -
- 2x Programmable Buttons
- Barcode Scan Button (with Barcode Option)
Barcode Reader (Option): Yes
Stylus: Yes

MECHANICAL

Chassis: Plastic + TPU
Options:
- Anti-Microbial Medical Chassis
Dimensions:
- 278.7 x 252.2 x 22mm
Weight: 1.25kg

POWER

AC Adapter:
- 19V DC 3A Output, 100-240V AC Input, Standard US Plug
Options:
- Medical AC Adapter, 12V DC 3.3A Output, 100-240V AC Input
Battery:
- 40Wh Battery, Li-ion Polymer, Hot Swappable, Voltage Meter
- Internal 3.5Wh Battery

ENVIRONMENTAL

Operating Temp: 0°C to 50°C
Storage Temp: -20°C to 60°C
Humidity: 10% to 90%
RoHS: Compliant

REGULATORY

Certification:
- FCC, CE, IEC62333, IEC60601-1, IEC60601-1-2, IATA

*Specifications are representative. Specific product technology may be different than indicated.

Take control of any situation with the expertly designed MD-100A Rugged Tablet. These go-anywhere tablets features our best combination of Field-and-Office design specs and options, including an incredibly fast RockChip processor, drop-in docking, long-life swappable batteries and an array of great tools and security features – all in a MIL-STD-810G Rugged and Waterproof tablet.
MD-100A
10.1” RUGGED TABLET PC

ODM OPTIONS

SYSTEM
- Memory: 4GB LPDDR3-1666
- Storage: 64GB eMMC 5.1
- 128GB eMMC 5.1

DISPLAY
- Brightness: 1000 NIT, Sunlight Readable

COMMUNICATIONS
- 4G LTE: LTE FDD, LTE TDD, WCDMA, HSPA+, TD-SCDMA, GSM, GPRS, EDGE
- GPS: UBLOX, Tracks Up to 16 Satellites, 1575.42 MHz, Device GPS Accuracy < 10m, 95% Typical Velocity Accuracy 0.55m/s, Heading Accuracy 0.3 Degrees, Horizontal Position Accuracy < 10m
- NFC: Compliant with ISO/IEC 14443 A/B, 15693/18092, Distance 2.5mm

I/0 INTERFACE
- Barcode Reader: Newland NLS-EM1296, Built-In 1D/1D

MECHANICAL
- Chassis: Anti-Microbial Medical Chassis

POWER
- AC Adapter: Medical AC Adapter, 12V DC 3.3A Ouput, 100-240V AC Input, Multi-Nation Plugs

ACCESSORIES
- Docking Station
- Stylus
- Wall Dock