



FEATURES

- 10.1" IPS LCD Screen (1920x1200 Resolution)
- RockChip RK3399, 1.8GHz, Dual-core Cortex-A72, Quad-core Cortex-A53 Processor
- Android OS
- IP65 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

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.

SPECIFICATIONS

RUGGEDNESS

Waterproof	IP65 IEC60529
Drop Rating	MIL-STD-810G, 4ft to Plywood on 4 Corners
Shock Rating	MIL-STD-810G, Method 516.6, Procedure I, 40g 11ms
Vibration Rating	MIL-STD-810G, Method 514.6, Procedure I, Category 4,
ESD Protection	8KV Touch, 15KV Air
EMC Test	Follows FCC

SYSTEM

Processor	RockChip RK3399, 1.8GHz, Dual-core Cortex-A72, Quad-core Cortex-A53
GPU	Mali-T860MP4
Memory	2GB LPDDR3-1866
	Options:
	4GB LPDDR3-1866
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	+/- 85°
Contrast Ratio	800:1
Touch Screen	Capacitive 10-Point Multi-Touch
	Chemical Harden Cover Glass

COMMUNICATIONS

Ethernet	1x RJ45 Port: 10/100/1000M
Wi-Fi	AP6255, 802.11 a/b/g/n/ac Dual-Band 2.4G & 5G
Bluetooth	Bluetooth v4.0
4G LTE (Option)	M2 Format, Carrier Certification Available
	LTE FDD, LTE TDD, WCDMA, HSPA+, TD-SCDMA, GSM, GPRS, GEDGE
	Band 850, 900, 1800, 1900 (MHz)
GPS (Option)	UBLOX8, Tracks 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
NFC (Option)	Compliant with ISO/IEC 14443 A/B, 15693/18092, Distance 2.5mm

I/O INTERFACE

Sensors	Gyroscope Light Sensor
Audio	1x Built-In Microphone 1x Internal 8ohm 1W speaker
Camera	Front Camera: 2MP Rear Camera: 8MP with Auto Focus
Ports	1x USB 3.0 @ 1.0A Type A 1x HDMI Output: Type A 1x Audio Jack (3.5mm, 4 Pole, MIC input) 1x DC Jack 5.5mm OD Jack
Buttons	Power Button Windows Button Volume +, Volume - 2x Programmable Buttons Barcode Scan Button (with Barcode Option)
Barcode Reader (Option)	Newland NLS-EM3296, Built-In 1D/2D
Stylus	Yes

MECHANICAL

Chassis	Plastic + TPU
	Options:
	Anti-Microbial Medical Chassis
Dimensions	276.7 x 252.8 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
	Multi-Nation Plugs
Battery	40Wh Battery, Li-on 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, IEC62133, IATA, Medical Certification
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*Specifications are representative. Specific product technology may be different than indicated.



ODM OPTIONS

SYSTEM

Memory 4GB LPDDR3-1866
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, GEDGE
GPS UBLOX8, Tracks 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
NFC Compliant with ISO/IEC 14443 A/B, 15693/18092, Distance 2.5mm

I/O INTERFACE

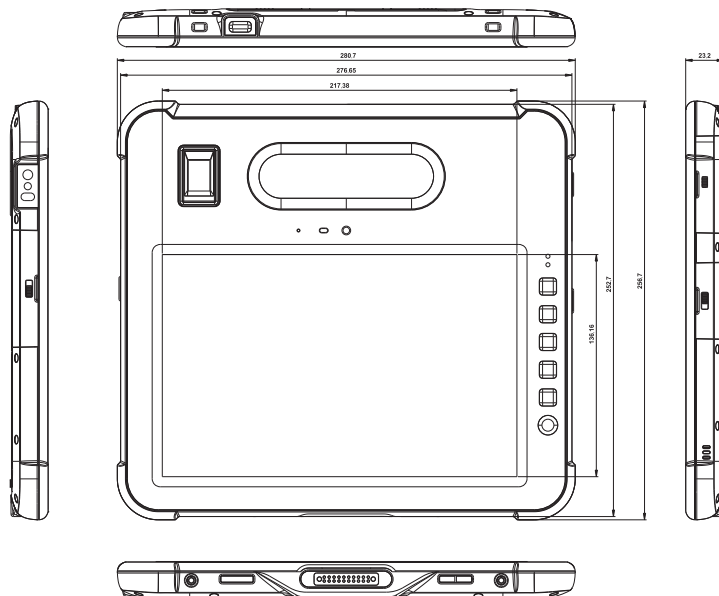
Barcode Reader Newland NLS-EM3296, Built-In 1D/2D

MECHANICAL

Chassis Anti-Microbial Medical Chassis

POWER

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



ACCESSORIES



Docking Station



Stylus



Wall Dock