



FEATURES

- 10.1" IPS LCD Screen (1920x1200 Resolution)
- Intel Apollo Lake N4200, Base 1.1 GHz, Turbo to 2.5 GHz Processor
- Windows 10 or Linux (Custom Projects) OS
- IP-65 Water & Dust Protection
- 4ft Drop/Shock Protection (MIL-STD-810G)
- Hot Swappable Battery for Unlimited Runtime
- Optional Outdoor LCD Display (800 NIT)
- Options: Barcode, Smart Card, Fingerprint Reader & NFC

Take control of any situation with the expertly designed MD-100 Rugged & Medical Grade Tablets. These go-anywhere tablets features our best combination of Field-and-Office design specs and options, including an incredibly fast Apollo Lake Intel 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	IP-65
Drop Rating	MIL-STD-810G, 4ft to Plywood on 26 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, Category 20, Category 24
ESD Protection	8KV Touch, 15KV Air

SYSTEM

Processor	Intel Apollo Lake N4200, Base 1.1GHz, Turbo to 2.5 GHz, 2 MB L2 Cache
GPU	Intel HD Graphics 505, Base 200MHz, Burst 750MHz, Max Video Memory 8GB
Memory	4GB LPDDR3-1866 Options: 8GB LPDDR3-1866
OS	Windows 10 Pro 64bit Options: Windows 10 Enterprise LTSB 2016 Windows 10 Enterprise LTSC 2019 Linux (Custom Projects)
Storage	128GB SSD M.2 Interface Options: 256GB SSD M.2 Interface 512GB SSD M.2 Interface 1TB SSD M.2 Interface
Security	Intel AES New Instructions Options: TPM 2.0

DISPLAY

Screen Size	10.1" IPS
Resolution	1920 x 1200
Brightness	400 NIT Options: 800 NIT, Sunlight Readable
View Angle	+/- 85°
Contrast Ratio	800:1
Touch Screen	Capacitive 10-Point Multi-Touch Auto-sensing, Configurable to Wet and Gloved Touch Chemical Harden Cover Glass High Strength Harden Glass Multi Touch Mode (Includes Water Splash) Glass Coating Options: Anti-Reflective Anti-Glare Anti-Fingerprint Anti-Polarization

COMMUNICATIONS

Wi-Fi	802.11 a/b/g/n/ac Dual-Band 2.4G & 5G
Bluetooth	Bluetooth v4.2
4G LTE (Option)	Sierra EM7455, M2 Interface, Bands: B1-B5, B7, B12, B13, B20, B25, B26, B29, B30, B41
GPS (Option)	Ublox 7 GPS Module, GPS/QZSS L1 C/A, GLONASS L1 FDMA, SBAS: WAAS, EGNOS, MSAS
NFC (Option)	Navigation Update Rate Up to 10Hz, Cold Start No More Than 40s SM-MSN10-C02, Compliant with ISO/IEC 14443 A/B, 15693/18092, Distance 2.5mm

I/O INTERFACE

Sensors	Gyroscope Light Sensor Compass
Audio	1x Built-In Microphone 1x Internal 8ohm 1W speaker
Camera	Front Camera: 2MP Rear Camera: 5MP with Auto Focus
Ports	1x USB 3.0 @ 1.5A Type A 1x HDMI Output: Type A 1x Audio Jack (3.5mm, 4 Pole, MIC input) 1x DC Jack 5.5mm OD Jack 1x Docking Connector (12V DC Input, 2x USB) 1x RJ45 Port: 10/100/1000M 1x Micro SIM Slot
Buttons	Power Button Windows Button Volume +, Volume - 2x Programmable Buttons Barcode Scan Button (with Barcode Option)
RFID (Option)	OMNIKEY 5127CK-Mini, ISO 14443 A/B, ISO 15693
Barcode Reader (Option)	Newland NLS-EM3296, Built-In 1D/2D
Smart Card Reader (Option)	OMNIKEY 3121, EMV 2000 Level 1, ISO 7816, CCID
Fingerprint Reader (Option)	Capacitive, Compliant to FIPS 201
Stylus	Capacitive Stylus Options: Digitizer Pen, eGalaxPen (B Type), Active Capacitive Coupled, Pressure Level: 256~1024, Double Click, Hoover, Palm Rejection, High Accuracy for Legal Signature, Compliant to Microsoft Pen Protocol v.2.0

MECHANICAL

Chassis	Plastic + TPU Options: Anti-Microbial Medical Chassis
Dimensions	280 x 256 x 23mm
Weight	1.1kg

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

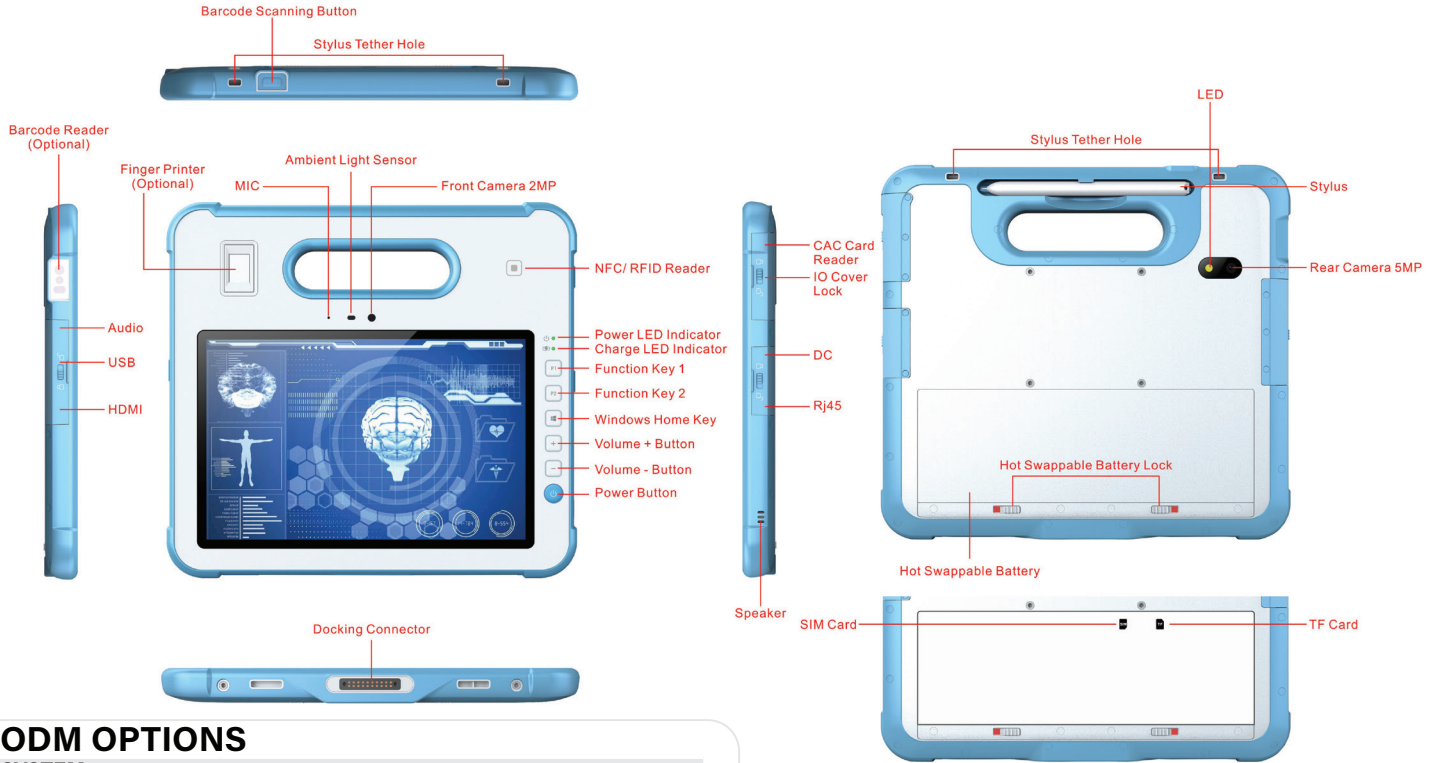
ENVIRONMENTAL

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

REGULATORY

Certification	FCC 47 CFR PART 15B & PART 15C, IEC60601-1, IEC 60601-1-2:2014, IEC62133, MSDS, UN38.3, EN 55032, EN 301489, EN 55035, EN 300328, EN 55032, EN 303413, EN 50663, EN61000, EN 62368-1
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*Specifications are representative. Specific product technology may be different than indicated.



ODM OPTIONS

SYSTEM

Memory	8GB LPDDR3-1866
OS	Windows 10 Enterprise LTSB 2016 Windows 10 Enterprise LTSC 2019 Linux (Custom Projects)
Storage	256GB SSD M.2 Interface 512GB SSD M.2 Interface 1TB SSD M.2 Interface
Security	TPM 2.0

DISPLAY

Brightness	800 NIT, Sunlight Readable
Glass Coating	Anti-Reflective Anti-Glare Anti-Fingerprint Anti-Polarization

COMMUNICATIONS

4G LTE	Sierra EM7455, M2 Interface, Bands: B1-B5, B7, B12, B13, B20, B25, B26, B29, B30, B41
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NFC	SM-MSN10-C02, Compliant with ISO/IEC 14443 A/B, 15693/18092, Distance 2.5mm

I/O INTERFACE

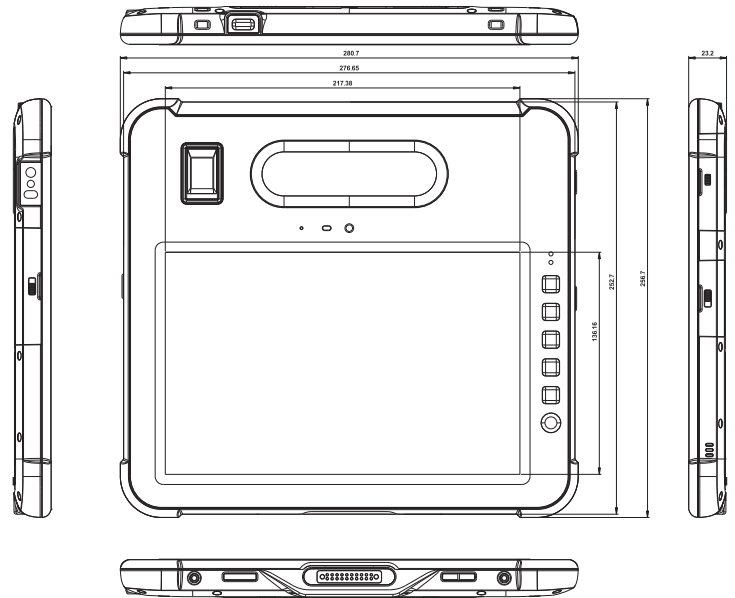
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Barcode Reader	Newland NLS-EM3296, Built-In 1D/2D
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Stylus	Digitizer Pen, eGalaxPen (B Type), Active Capacitive Coupled, Pressure Level: 256-1024, Supports Double Click, Hoover, Palm Rejection, High Accuracy for Legal Signature, Compliant to Microsoft Pen Protocol v.2.0

MECHANICAL

Chassis	Anti-Microbial Medical Chassis
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POWER

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



Docking Station



Capacitive Stylus



Digitizer Pen



Keyboard



Wall Dock