ESTONE TECHNOLOGY

MD-150
15.6" RUGGED MEDICAL GRADE TABLET PC

IN DEVELOPMENT

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FEATURES

- 15.6" IPS LCD Screen (1920 x 1080 Resolution)
- 11th Gen Intel Tiger Lake i5 or i7 Processor
- Windows 11 Pro
- IP65 Water & Dust Protection
- 4ft Drop/Shock Protection (MIL-STD-810H)
- Dual Hot-Swappable Batteries
- Wi-Fi 6 & Bluetooth 5.2
- PCIe 4th Gen Solid State Drive (SSD)

With cutting-edge performance powered by the Intel Tiger Lake Processor, the MD-150 is a powerful and versatile tablet that's ready to go. Through any operation, in any and all conditions, this tablet provides high-tech solutions that increase productivity, improve safety, and decrease operational costs.

SPECIFICATIONS

RUGGEDNESS

Waterproof	IP65, IEC60529-2013
Drop Rating	MIL-STD-810H-2014, Method 516.6, Procedure IV, 4ft to Marble
Shock Rating	MIL-STD-810G, Method 516.6, Procedure I, 40G
Vibration Rating	MIL-STD-810G-2014, Method 514.6, Procedure I
ESD Protection	8KV Touch, 15KV Air

SYSTEM

Processor	Intel 11th Gen Tiger Lake i5-1145GRE, Base 1.5GHz, Burst 4.1GHz, 8M Smart Cache
	Option:
	Intel 11th Gen Tiger Lake i7-1185G7E, Base 1.8GHz, Burst 4.4GHz, 12M Smart Cache
GPU	Intel Iris Xe Graphics, Max Frequency to 1.35GHz
Memory	8GB LPDDR4X
	Options:
	16GB LPDDR4X
OS	Windows 11 Pro, 64bit
	Options:
	Windows 10 Pro/LTSC 64bit
	Linux (Custom Projects)
Storage	256GB Gen 4 PCIe SSD
	Options:
	512GB Gen 4 PCIe SSD
	1TB Gen 4 PCIe SSD
Security	Intel AES New Instructions
	TPM 2.0
	Intel Vpro

DISPLAY

Screen Size	15.6" IPS LCD
Resolution	1920 x 1080 (16:9)
Brightness	300 NIT
View Angle	+/- 85°
Contrast Ratio	800:1
Touch Screen	Capacitive 10-Point Multi-Touch
	Hardened Chemical Glass
	Ultra Optical Bonding
	User Replaceable Anti-Glare Film
	Auto-Sensing, Configurable To Wet & Gloved Touch

COMMUNICATIONS

Ethernet	1x 10/100/1000M
Wi-Fi	Wi-Fi 6, 802.11 a/b/g/n/ac/ax 2.4G & 5G
Bluetooth	Bluetooth v5.2
4G LTE (Option)	M.2 Interface, Sierra EM7455
	4G: Cat-6, Frequency Bands: B1-B5,B7,B8,B12,B13,B20,B25, B26, B29, B30, B41
	3G: HSPA+, UMTS, Frequency Bands: B1, B2, B3, B4, B5, B8
	CE, FCC, GCF, IC, NCC, PTCRB
	Verizon, T-Mobile, AT&T Certified
GPS	UBlox NEO-M10, GPS L1C/A, SBAS L1C/A, QZSS L1C/A, GLONASS L1OF, BeiDou B1, Galileo E1B/C
	–167 dBm Navigation Sensitivity
	Cold Start No More than 40s

I/O INTERFACE

Sensors	Gyroscope
	Ambient Light Sensor
	G-Sensor
	Compass
Audio	1x Built-In Microphone
	2x 4ohm 1.5W speaker
Camera	Front Camera: 2MP
	Rear Camera: 5MP With LED Flash
	Option:
	Front Camera: 5MP
Ports	1x USB 3.0 @ 1000mA Type C
	1x USB 3.0 @ 1500mA Type A
	1x USB 2.0 @ 1000mA Type A
	2x Docking Connector (24 pin, 19V DC, 1x USB 3.0, HDMI)
	1x Nano SIM Slot (Internal)
	1x Audio Jack (3.5mm, 4 Pole, MIC input)
	1x DC Jack
	1x PoGo Pin on Rear Surface (24-Pin, USB 3.0 and Charging)
Buttons	Power Button
	Volume +, Volume -
	3x Programmable Buttons

MECHANICAL

Chassis	Front - Plastic, Rear - Aluminum, Footpad - LSR
	Option:
	Anti-Microbial Glass/Chassis
Dimensions	406.8 x 260.8 x 20.5mm
Weight	2.2kg
Mount	75mm x 75mm, M4 Screw
LED	Power
	Battery
	SSD

POWER

AC Adapter	19V DC 5.25A Output, 110-240V AC Input, Standard US Plug
	Options:
	Multi-National AC Plugs
	Medical AC Adapter
Battery	2x Hot-Swappable Battery
	7.7V 3896mAH, 30Wh Each Battery
	Battery Charging Time: 5 hours

ENVIRONMENTAL

Operating Temp	-10°C to 55°C
Storage Temp	-20°C to 60°C
Humidity	1% to 95% Non-Condensing, -30° to 60°C, 5 Cycles Of 48 Hours
Thermal Shock	-30° to 70°C Within 5 Minutes, No Operating
RoHS	Compliant

REGULATORY

Certification	FCC, CE, IEC 60601-1, IEC60601-1-2
Battery	CE, UL, MSDS, CB, IEEE, UN38.3, IATA

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