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Website



MD-116E

12" Fanless Intel Pentium Medical Tablet



FEATURE

- Intel® Elkhart Lake Pentium N6415
- Dual hot-swappable batteries for 24/7 operation
- Dual smart card readers for multiple-care workflow
- Standard USB 3.0 Type-A / Type-C (Data & External Display)
- RJ45 Ethernet for easy connection to medical devices
- IP54 certified & 3 feet drop resistant
- ORION client compatible
- Instant vehicle docking system
- Automotive Directive and EN1789 compliance for ambulances/ medical transportation vehicles

DESCRIPTION

A lightweight 11.6" mobile medical tablet built for daily clinical use. Designed with hygiene, mobility, and real-time data access in mind, it enables healthcare professionals to work efficiently at the point of care.

- 11.6" Full HD multi-touch display with durable antimicrobial housing
- Powered by Intel® Elkhart Lake CPU for efficient performance
- Hot-swappable dual battery design with extended runtime
- EN 60601-1 medical safety certified for clinical environments
- Optional features: barcode scanner, smart card reader, RFID, and camera
- Supports Wi-Fi 6, Bluetooth, GPS for seamless connectivity
- IP65-rated for water and dust resistance
- Compact, fanless, and easy to disinfect - ideal for handheld or cart-mounted use

APPLICATION

- Telemedicine: Real-time remote consultation with AI-assisted diagnostics
- Mobile Nursing: Patient data access and documentation at the bedside
- Emergency & Ambulance: Rugged design suitable for high-mobility environments
- Field Healthcare: Outdoor medical missions with reliable connectivity and battery life
- Clinical Rounds: Lightweight, disinfectable design for daily ward use

SPECIFICATION

Electrical Specification

Processor	Intel® ELKhart Lake Pentium N6415 3.0 GHZ
System Memory	DDR4 SO-DIMM x1 4 GB (Up to 16 GB)
Storage	M.2 Interface x1 SATA/NVMe 64 GB (up to 1TB)
Wireless Communication	802.11 a/b/g/n /AC/AX + BT5.2 (Optional)
Camera	2 MP (Front) / 8 MP (Rear)
Touchscreen	Projected Capacitive Touchscreen,w/Gorilla Glass
3-AXIS G-Sensor	Yes
Ambient Light Sensor	Yes
Wi-Fi	Dual Wi-Fi 6 slots
LTE+GPS	Sierra EM7421 x2 (Optional) [5G Sierra EM 9291 Supported]
Function Keys	x2
LED Indicators	x2
Speaker	2W x2
Internal Mic	x1
Power Requirement	DC 12V
Security	Smart Card Reader x2 RFID x1 (optional)
Display	
Display Size	11.6" 16:9 Widescreen LED Panel
Resolution	FHD 1920 x 1080
Max. Colors	16.7 M
Contrast Ratio	800:1
Luminance (cd/m2)	300nits 600nits

SPECIFICATION

I/O	
USB	USB 3.0 (Type-A) x1 USB 3.0 (Type-C with External Display) x1
Ethernet	Gigabit LAN x1
DC-In	DC-In Jack x1
Docking	Docking Connector x1
Battery Pack	
Battery Type	Li-ion
Battery Capacity	4545 mAh (32.72Wh) x2
Battery Run Time	Approx. 8 hrs
Mechanical and Environmental	
VESA	VESA 75 via docking station
Degree of Protection	IP54 Whole unit (IP65 in the front)
Operating Temperature	0° C ~ 40° C (32° F ~ 104° F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Storage Humidity	10% ~ 95%@35°C non-condensing
Dimensions	312 x 239 x 37 mm
Packing Size	400 x 345 x 160 mm
Gross Weight	3 kg (6.6 lb)
Net Weight	Approx. 1.45 ~ 1.8 kg
Certifications	CE :EN 60601-1-2: 2015 + A1: 2021 (V4.1) EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) EN 300 328: V2.2.2,EN 300 440 V2.1.1 EN 301 893 V2.1.1,EN 303 687 V1.1.1 FCC :Part 15B/ Part 18 / Part 15C /Part 15E UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)
Docking Station	
Power	DC 12V
Battery	4545 mAh (32.72Wh) x2
USB	USB 3.0 (Type-A) x1 USB 2.0 (Type-A) x1
Ethernet	Gigabit LAN x1