

Medix 24B v2

Technical Specifications

Features

- Intel 14th Gen. Mobile Ultra 5/7 Processors
- 2x 260-pin DDR5 SO-DIMM, up to 64GB
- High Performance NVMe storage
- Antimicrobial Enclosure
- Fanless Construction w/Heat Pipes
- TPM 2.0 (fTPm)
- Battery Powered Operation w/Battery LED
- Hot-Swappable Batteries for Continuous Operation
- Optional Single Sign-On RFID (Integrated)



Specifications

Display

LCD Size	23.8 (16:9)
Max Resolution	1920 x 1080 (FHD)

Touch

Touch Screen	Projected Capacitive w/10 points
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System

Processor	Intel 14 th Gen. Mobile Ultra 5/7 Processors
System Chipset	Meteor Lake SOC
Graphics Controller	Intel HD Graphics 630 (Core CPU)
LAN Chipset	1 x GbE: Intel I219-V
Audio	Realtek ALC256
System Memory	Up to 64GB DDR5 4800/5600 (2x SO-DIMM)
BIOS	Insyde 64Mbit
TPM	TPM 2.0 (fTPM)

Operating System

Windows	Windows 11 Pro Windows 11 IoT GAC Windows 11 IoT LTSC
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Storage

M.2 NVMe	1x Up to 2TB NVMe M.2 2280 "M" Key (PCIe x4)
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Expansion

M.2	1x M.2 (M key) supports M.2 2280 (Reserved for NVMe) 1x M.2 (E key) supports M.2 2230 (Reserved for Wifi)
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Other Features

Cooling Method	Fanless w/ Heat Pipes
Internal Speaker	2x 1W speakers (Bottom)
WebCam	2Mpixel IR Front Camera (Optional)

Physical

Enclosure Materials	ABS + PC plastics enclosure, antimicrobial enclosure
Dimensions (W x H x D)	22.2" x 14.6" x 1.62" (564.3 x 370.8 x 41.2 mm)
Weight	Without battery: 16.4lb (7.44kg) With 3 batteries: 19.58 lb (8.88kg)
Mounting	VESA 100, Optional Stand

I/O

Video	1x HDMI
COM	2x DB9 Serial RS232
USB	3x USB 3.2 Type A (Rear) 1x USB 3.2 Type C (Rear) 2x USB 2.0 (Side)
LAN	1x GbE RJ45
WLAN	802.11 AX + BT 5.3 (Intel Wifi 6E AX210)
Audio	1 x Line-out

Others

1x Power Switch
4x Function Buttons
1x SmartCard reader Half-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart cards (optional)
1x SSO RFID (optional)
1x Reading Light w/On/OFF switch (bottom)
3x DC outputs power module, 12V @2.5A, 19V @1.58A, 24V @1.25A (Optional)

Power

Power Input Voltage	19 VDC
Power Connector	Barrel plug
Battery	3x Li-Ion 10.8V @ 8350mAh
Power Adapter	External power adapter, 19V @6.31A

Environment

Operating Temp.	32°F – 104°F (0°C – 40°C)
Storage Temp.	-4°F – 140°F (-20°C – 60°C)
Relative Humidity	0% - 90% non-condensing
IP Level	IP65 Front, IPx 1 Back
Certification	ANSI/AAMI ES60601-1, IEC60601-1, IEC60601-1-2, FCC Part 18, FCC Part 15 Class B, GB 17625.1, GB 4943.1, GB/T 9254, CE-EMC, CE-RED, RCM, CCC

Warranty

Warranty	1-year standard
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