

Medix KW v5

Technical Specifications

Features

- Intel 14th Gen Meteor Lake Processors
- Low Power Consumption optimized
- 1x 262-pin DDR5 SO-DIMM, up to 32GB
- High Performance NVMe support
- Fanless Construction.
- Medically Certified
- Antimicrobial Aluminum enclosure
- TPM 2.0 (fTPM / Intel PTT)

Display

LCD Size	15.6", 18.5", 21.5" (16.9)
Max Resolution	1920 x 1080 (FHD)
Touch	
Touch Screen	Projected Capacitive
Touch Controller	ILI Technology

System

Processor	Intel Core Ultra 5 125U, Quad-Core, 8MB Cache, up to 42.GHz
System Chipset	Tiger Lake U SOC
Graphics Controller	Intel UHD Graphics
LAN Chipset	1x GbE: Intel I211 Optional: 1x GbE: Realtek RTL8168/8111 (LAN2) (See M.2 slot notes)
Audio	Realtek ALC897
System Memory	Up to 32GB DDR5 5600 (1x SO-DIMM)
BIOS	Insyde 64Mbit
TPM	TPM 2.0 (fTPM/ Intel PTT)
vPro	vPro Essentials Only (No Enterprise support)

Operating System

Windows	Windows 11 Pro Windows 11 IoT GAC Windows 10 IoT LTSC 2021 Windows 11 IoT LTSC 2024
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Storage

M.2 SATA	1 x M.2 2242/2280 "M" Key SATA III (Shared with NVMe below)
M.2 NVMe	1x M.2 2280 "M" Key (1x PCIe x4 NVMe)

Expansion

M.2	1x M.2 (E key) supports M.2 2230 (WiFi) (See Note) <i>NOTE: The M.2 E can be used interchangeably by a secondary LAN adapter, or by a WiFi card. Only one can be used at a time.</i>
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Other Features

Cooling Method	Fanless
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Internal Speaker	1x 3W speakers
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Physical

Enclosure Materials	Cast Aluminum, antimicrobial enclosure
Dimensions (W x H x D)	536 x 328 x 48 mm (21.1" x 12.9" x 1.9")
Weight	21.4": 17.6lb
Mounting	VESA 75 and 100, Optional Stand

I/O

Video	1x FeDP (Proprietary Mini Display Port)
COM	3x FJ48 (Powered RS232 0V/5V/12V BIOS selectable)
USB	4x USB 3.0 (Type A) 1x USB 3.0 (Type C) PD source 5V(3A) / 12V(3A) 2x USB 2.0 (Type A)
LAN	1x GbE RJ45 Optional: 1x GbE (2nd LAN) <i>interchangeable with WiFi</i>
WLAN	Optional: 802.11 AX BT 5.1 LE (Intel AX210) <i>Interchangeable with 2nd LAN port</i>
Others	1 x Power Switch (Back of bezel) 1x Reset Button 1z RJ11 Cash Drawer Port

Power

Power Input	12 ~ 48 VDC
Power Connector	4pin Mini DIN
Power Adapter	External Power Adapter, 20V @ 6A

Environment

Operating Temp.	32°F to 104°F (0°C to 40°C)
Storage Temp.	-4°F to 140°F (-20°C to 60°C)
Humidity	20% to 85% non-condensing
Shock	With SSD: 15 G, half sine, 11 ms
Vibration	With SSD: 5 Grms, 5-500 Hz, 15 min/axis
IP Level	IP65 (Front panel)
Certification	FCC Class B, CE Mark, LVD

Warranty

Warranty	1-year standard
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