

Features

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



VITA KW v5

Technical Specifications

Specifications

Display

LCD Size	15.6", 18.5", 21.5" (16.9)
Max Resolution	1366 x 768 (HD) (18.5") 1920 x 1080 (FHD) (15.6" & 21.5")

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 1x GbE: Realtek RTL8168/8111
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	1 x M.2 (E key) supports M.2 2230 (Wi-Fi) (See note)
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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	2x GbE RJ45
WLAN	Optional: 802.11 AX BT 5.1 LE (Intel AX210)
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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