

VITA S Series v3

Fanless Industrial PC

Technical Specifications

Features

- 15", 19", 22" & 24" Touch
- Intel 8th Gen. Core i7/i5 Processors
- IP66/IP69K Rated Enclosure
- Fanless Construction
- Low Power Consumption Optimized
- 2 x 260-pin DDR4 SO-DIMM, up to 32GB
- Stainless Steel Enclosure
- TPM (Optional)



Specifications

Display

LCD Size/ Max Resolution	15" LCD (4:3), 1024 x 768 (XGA) 19" LCD (5:4), 1280 x 1024 (SXGA) 21.5" LCD (16:9), 1920 x 1080 (FHD) 23.8" LCD (16:9), 1920 x 1080 (FHD)
Brightness (cd/m ²)	15": 450 cd/m ² 19": 350 cd/m ² 21.5" & 23.8" : 250 cd/m ²
Contrast Ratio	15": 800:1 19": 1000:1 21.5": 1000:1 23.8": 3000:1
LCD Color	16.7M
Pixel Pitch (mm)	15": 0.297mm
Viewing Angle (H-V)	15": 160° / 160° 19" & 21.5": 170° / 160° 23.8": 178° / 178°

Touch

Touch Screen	15"/ 19"/21.5": 5 wire resistive w/1 point touch 23.8": Projected Capacitive
Touch Controller	15"/ 19"/21.5": Elo

System

Processor	Intel 8th Gen. Core i7/i5 Processors
System Chipset	Whiskey Lake SOC
Graphics Controller	Intel HD Graphics 620 (Core CPU)
LAN Chipset	1 x GbE: Intel I219-LM
Audio	Realtek ALC262
System Memory	Up to 32GB DDR4 2133 (2x SO-DIMM)
BIOS	AMI 128Mbit
TPM	TPM 2.0 (fTPM)
vPro	Yes
Watchdog	Software Programmable Supports 1~255 sec. System Re

I/O

COM	1 x DB9 Serial RS232/ COM1 (1 x M12 Connector) 1 x DB9 Serial RS232/422/485, COM2 (1 x M12 Connect
USB	2 x USB 2.0, USB 1 & 2 (1 x M12 Connector) 2 x USB 2.0, USB 3 & 4 (1 x M12 Connector)
LAN	1 x GbE RJ45 (1 x M12 Connector)
WLAN	802.11 AC + BC 4.0 LE (Optional)
Others	1 x Sealed Power Switch

Storage

SSD/HDD	1 x 2.5" SATA Bay
mSATA	1 x mSATA (Shared with 1 x Mini PCIe)
M.2 SATA	1 x M.2 M-key, SATA, 2242/2260/2280

Expansion

M.2	1 x M.2 (E key) supports M.2 2230 for Wi-Fi
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Other Features

Cooling Method	Fanless
Internal Speakers	2 x 2W Sealed Speakers (Optional)

Operating System

Windows	Windows 10 Pro 64bit Windows 11 Pro 64bit
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Power

Power Input	19 ~ 28 VDC
Power Connector	M12 Connector
Power Adapter	Sealed External 24V @ 5A (120W)

Environment

Operating Temperature	32°F to 104°F (0°C to 40°C), (0°C to 50°C w/SSD)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Humidity	10% to 90% non-condensing
Shock	With SSD: 15 G, half sine, 11 ms
Vibration	With SSD: 5 Grms, 5-500 Hz, 15 min/axis
IP Level	IP66 (Full Enclosure) / 4 x NEMA IP69K (Optional w/PCAP)
Certification	15"/ 19"/21.5": FCC, CE (EMC), VCCI Class B 23.8": FCC Class B., CE (EMC), VCCI Class B, Canada ICES-003

Physical

Enclosure	SUS304 Stainless Steel Enclosure 23.8" Optional SUS316 Stainless Steel
Dimension (W x H x D)	15": 15.55" x 12.18" x 2.28" (395 x 309.5 x 58mm) 19": 18.03" x 15.19" x 2.52" (458 x 386 x 64mm) 22": 21.93" x 13.72" x 2.30" (557 x 348.5 x 58.5mm) 24": 24.67" x 15.59" x 2.52" (626.6 x 396.1 x 64.0mm)
Weight	15": 18.5 lbs.(8.4kg) 19": 25.35 lbs.(11.5kg) 22": 26.45 lbs.(12kg) 24": 32.63 lbs. (14.8kg)
Mounting	VESA 100, Optional Side Mount Stand

Warranty

Warranty	1-year standard
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