



EVOKING TRUST



Standalone Server

Monitoring Workstation



IP-03T-MNVR4B1U-16/32/50 , IP-03T-MNVR8B2U-32/50/100

1. 2nd Gen Intel Xeon Scalable Processors Single Socket LGA-3647 (Socket P) supported, CPU TDP support Up to 165W TDP
2. Up to 1.5TB 3DS ECC RDIMM, DDR4-2933MHZ; Up to 1.5TB 3DS ECC LRDIMM, DDR4-2933MHZ, in 6 DIMM slots; Up to 1TB Intel Optane DC Persistent Memory in memory mode (Cascade Lake Only)
3. Intel C621 Chipset
4. Expansion slots: 2 PCI-E 3.0 x16, 1 PCI-E 3.0 x8 (in x 8)
5. 2 GbE LAN ports
6. 4 or 8 x 3.5" or 2.5" drive slots
7. Supports 12V DC power input
8. 1/0.1VGA, 2 COM. TPM header
9. 5 USB 3.0 (2 rear, 1 Type-A, 2 via header), 6 USB 2.0 (2 rear, 4 via headers)
10. M.2 NGFF connector -M.2 Interface: PCI-E 3.0 x4 Form Factor: 2242, 2280
-Key: M-Key
- Double Height Connector
11. Dual/Quad Display

Specification

Physical Stats	Form Factor	Tower Mount
	Dimensions	9.6" x 9.6" (24.38cm x 24.38cm)
Processor/ Cache	CPU	2nd Gen Intel Xeon Scalable Processors Single Socket LGA-3647 (Socket P) supported, CPU TDP support Up to 165W TDP
	Cores/Cache	Up to 28 core
	Note	BIOS version 3.0a or above is required to support 2nd Generation Intel Xeon Scalable Processors SP BIOS version 3.2 or above is required to support 2nd Gen Intel Xeon Scalable processors (codenamed Cascade Lake-R)
System Memory	Memory Capacity	+Up to 1.5TB 3DS ECC RDIMM, DDR4-2933MHz Up to 1.5TB 3DS ECC LRDIMM, DDR4-2933MHz in 6 DIMM slots, Up to 1TB Intel Optane DC Persistent Memory in memory mode (Cascade Lake Only)
	Memory Type	2933/2666/2400/2133MHz ECC DDR4 RDIMM, LRDIMM
	DIMM Sizes	RDIMM: 8GB, 16GB, 32GB, 64GB LRDIMM: 32GB, 64GB, 128GB 3DS LRDIMM: 64GB, 128GB, 256GB
	Memory Voltage	1.2
	Error Detection	Corrects single bit errors
	On-Board	Chipset
	SATA	Up to 8 Slots(6Gbps) RAID 0,1,5,10
	IPMI	ASPEED AST2500
	Network Controllers	Dual LAN with 1GDE with Intel® X722+ Marvell 88E1512
	Graphics	Nvidia Quadro RTX 4000 8GB DDR6 Nvidia Quadro RTX 4000 16GB DDR6
	LAN	21GbE LAN ports
	USB	6 USB 2.0 ports (2 rear + 4 headers) 5 USB 3.0 ports (2 rear + 2 headers 1 Type A)
	Video Output	1 VGA port / 2 HDMI port
	Serial Port/Header	2 COM Ports (1 rear, 1 header)
	TPM	TPM Header
Storage and	Drive Slots	4 or 8x 3.57 or 2.57 drive slots
Power Supply	Power Supply	500 W/ 500W+ 500W for when used as video wall controller

Specification

Expansion Slots	PCI-E	2 PCIE 3.0 x16. 1, 1 PCI-E 3.0 x8
	M.2	M.2 M.2 Interface: PCIE 3.0 x4
Management	Software	Intel Node Manager, IPMI2.0 KVM with dedicated LAN, NMI, SPM, SUM, Watchdog
	Power Configurations	ACPI Power Management Power on mode for AC power recovery
PC Health Monitoring	Voltage	+18V, +12V,+3.3V,+5V,+5V standby, 3.3V standby. 8-fan status, Chassis intrusion header, Monitors CPU voltages. Supports system management utility, VBAT
	FAN	8x 4-pin fan headers (up to 8 fans), Fan speed control, Overheat LED indication, PWM fan speed control, System level control
	Temperature	CPU thermal trip support, PECI
	LED	CPU / System Overheat LED , UID/Remote UID, Suspend static indicator LED
	Other Features	ACPI power management, Control of power-on for Devices recovery from AC power loss, CPU thermal trip support for processor protection, M.2 NGFF connector, RoHS, UID, WOL.
Operating Environment	Operating Temperature Range	0°C 60°C (32°F-140°F)
	Non-Operating Temperature Range	-20°C-60°C (-4°F-140°F)
	Operating Relative Humidity Range	10%-85% (non-condensing)
	Non-Operating Humidity Range	10% - 95% (non-condensing)
Application software	Optional Application Software Preloaded at Factory	<ol style="list-style-type: none"> 1. Video Management software-WVMS 2. Video Content Analytics-WVCA 3. Face recognition Software- WVMS-FR 4. Licence Plate Recognition Software-WVMS-LPR