



RACK MOUNT SINGLE SOCKET 2 U SERVER/ MONITORING WORKSTATION

Specification

WAVESYS RACK MOUNT SINGLE SOCKET 2U SERVER/MONITORING WORKSTATION

IP-03R-MNVR8B2U-32/50/100



2U FRONT



2U BACK

- 2nd Gen Intel[®] Xeon[®] Scalable Processors Single Socket LGA-3647 (Socket P) supported, CPU TDP support Up to 165W TDP
- 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)
- 4. Intel[®] C621 Chipset
- 5. Expansion slots: 2 PCI-E 3.0 x16, 1 PCI-E 3.0 x8 (in x8)
- 6. 2 GbE LAN ports
- 7. 8 x 3.5" or 2.5" drive slots.
- 8. Supports 12V DC power input
- 9. I/O: 1 VGA, 2 COM, TPM header
- 10. 5 USB 3.0 (2 rear, 1 Type-A, 2 via header), 6 USB 2.0
 - (2 rear, 4 via headers)
- 11. M.2 NGFF connector
 - M.2 Interface: PCI-E 3.0 x4
 - Form Factor: 2242, 2280
 - Key: M-Key
 - Double Height Connector

12. Dual/Quad Display

Specification



Physical Stats	Form Factor	20
	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
	Core	Upto 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	1.2V
	Error Detection	Corrects single-bit errors
On-Board	Chipset	Intel [®] C621
	SATA	8 slots(6Gbps)
		RAID 0,1,5,10
	IPMI	ASPEED AST2500
	Network Controllers	Dual LAN with 1GbE with Intel [®] X722+ Marvell 88E1512
	Graphics	Nvidia Quadro T400 2GB DDR6 2x1GbE LAN ports
Input / Output	LAN 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 Port (1 rear) TPM Header
Storage and	Drive Slots	8 x 3.5" or 2.5" drive slots
Power Supply	Power Supply	1+1 500W Redundant Power supply

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Expansion Slots	PCI-E	2 PCIE 3.0 x16, 1 PCI-E 3.0 x8
	M.2	 M.2 Interface: PCIE 3.0 x4 Form Factor: 2242,2280 Key: M-Key (RAID 0,1 support) Double Height Connector
System BIOS	BIOS Type	AMI UEFI
- ,	BIOS Features	•ACPI 6.0
		 RTC (Real Time Clock Wakeup) SMBIOS 3.0 or later
Management	Software	Intel [®] Node Manager, IPMI2.0, KVM with dedicated LAN, SPM, SSM, SUM, Watchdog
	Power Configurations	•ACPI Power Management
	U	•Power-on mode for AC power recovery
PC Health	Voltage	+1.8V, +12V,+3.3V,+5V,+5V standby, 3.3V standby,
Monitoring	, , , , , , , , , , , , , , , , , , ,	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
		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	 Video Management software-WVMS Video Content Analytics-WVCA Face recognition Software- WVMS-FR Licence Plate Recognition Software-WVMS-LPR