

NAR-28001

Intel® Xeon® series, 2U Rackmount based server



FEATURES

- Hyper is a flagship performance rackmount server designed for scale-out cloud workloads.
- Single Intel® Xeon® 6 6900 series Processor.
- 12 DIMM slots supporting up to 3TB of 8800 MRDIMM.
- Double width add-on card support.
- Flexible networking options with 1 AIOM networking slot (OCP NIC 3.0 compatible).
- Breeze through high throughput workloads with PCIe 5.0 NVMe drive support.
- Trusted Platform Module (TPM) 2.0 onboard.
- Modularized and Tool-less design for easy serviceability.

NAR-28001	
FORM FACTOR	2U Rackmount Enclosure: 437 x 88.9 x 806.2mm (17.2" x 3.5" x 31.74") Package: 672 x 253 x 1100mm (26.46" x 9.96" x 43.31")
PROCESSOR	Single Socket BR (LGA-7529), Intel® Xeon® 6900 series processors with P-cores Up to 128C/256T; Up to 504MB Cache
CHIPSET	System on Chip
BIOS	AMI 64MB SPI Flash
SYSTEM MEMORY	Slot Count: 12 DIMM slots, Max Memory (1DPC): Up to 3TB 8800MT/s ECC DDR5 MRDIMM, Max Memory (1DPC): Up to 3TB 6400MT/s ECC DDR5 RDIMM
DRIVE BAYS CONFIGURATION	8 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays 24 front hot-swap 2.5" SAS*/SATA* drive bays 2 M.2 NVMe slots (M-key 2280/22110/25110; VROC required for RAID)
EXPANSION SLOTS	1 PCIe 5.0 x16 FH/10.5"L double-width slot, 1 PCIe 5.0 x8 FHFL slot, 1 PCIe 5.0 x16 HHFL double-width slot, 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible) 2 PCIe 5.0 x8 FH/10.5"L slots, 1 PCIe 5.0 x8 FHHL slot, 1 PCIe 5.0 x16 FHFL double-width slot, 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)
NVMe	NVMe; RAID 0/1/5/10 support (Intel® VROC RAID key required)
NETWORK CONNECTIVITY	Via AIOM
LAN	1 RJ45 1 GbE Dedicated BMC LAN port
USB	2 USB 3.2 Gen1 ports (Rear)
VIDEO	1 VGA port
SYSTEM COOLING	6 counter-rotating 60x60x56mm Fan(s)
POWER SUPPLY	2x 1200W Redundant (1 + 1) Titanium Level (96%) power supplies
MANAGEMENT	SuperCloud Composer®; Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); Supermicro Thin Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
PC HEALTH MONITORING	Monitors for CPU Cores, Chipset Voltages, Memory Fans with tachometer monitoring, Status monitor for speed control, Pulse Width Modulated (PWM) fan connectors Monitoring for CPU and chassis environment, Thermal Control for fan connectors
OPERATING TEMPERATURE	10°C to 35°C (50°F to 95°F)
NON-OPERATING TEMPERATURE	-40°C to 70°C (-40°F to 158°F)
OPERATING RELATIVE HUMIDITY	8% to 90% (non-condensing)
NON-OPERATING RELATIVE HUMIDITY	5% to 95% (non-condensing)
CERTIFICATIONS	CE, FCC Class B
WARRANTY	2 Years