

NAR-28002

Intel® Xeon® series, 2U Rackmount based server



FEATURES

- Quad Intel® Xeon® 6700-Series Processors with P-cores up to 270W with air cooling.
- Support for up to 2 double-width PCIe GPU accelerator cards.
- Up to 64 DIMMs supporting up to 16TB DDR5 in 2DPC.
- Flexible networking with up to 2 OCP 3.0 compatible AIOM slots.
- Up to 2 PCIe 5.0 x8 FHHL + 4 PCIe 5.0 x16 FHHL + 2 PCIe 5.0 x16 AIOM.
- Up to 24 front hot-swap 2.5" NVMe/SATA/SAS drive bays.
- 4 Redundant 2700W Titanium Level power supplies.

NAR-28002	
FORM FACTOR	2U Rackmount, Enclosure: 438.4 x 88 x 848.7mm (17.3" x 3.5" x 33.4") Package: 672 x 250 x 1100mm (26.5" x 9.75" x 43.5")
PROCESSOR	Quad E2 (LGA-4710), Intel® Xeon® 6700 series processors with P-cores (4S/8S) Up to 32C/64T; Up to 144MB Cache per CPU
CHIPSET	System on Chip
BIOS	AMI 32MB SPI Flash EEPROM
SYSTEM MEMORY	Slot Count: 64 DIMM slots, Max Memory (1DPC): Up to 8TB 6400MT/s ECC DDR5 RDIMM, Max Memory (2DPC): Up to 16TB 5200MT/s ECC DDR5 RDIMM
DRIVE BAYS CONFIGURATION	24 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays, (*NVMe/SAS/SATA support may require additional storage controller and/or cables) 1 M.2 PCIe 4.0 x4 NVMe slot (M-key 2280/22110; VROC required for RAID), 1 M.2 PCIe 4.0 x4 NVMe slot (M-key 22110; VROC required for RAID)
EXPANSION SLOTS	2 PCIe 5.0 x8 FHHL slots, 4 PCIe 5.0 x16 FHHL slots, 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible), 2 PCIe 5.0 x16 FHFL double-width slots, 2 PCIe 5.0 x16 FHHL slots, 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible)
SERIAL	1 COM port(rear)
NETWORK CONNECTIVITY	Via AIOM
LAN	1 RJ45 1 GbE Dedicated BMC LAN port
USB	2 USB 3.0 ports(rear)
VIDEO	1 VGA port (Front), 1 DisplayPort port (Rear)
SYSTEM COOLING	4 Direct to Chip (D2C) Cold Plate Fan(s) (optional), 6 Heavy duty counter-rotating 6cm Fan(s), 4 Air Shrouds
POWER SUPPLY	4x 2700W Redundant (2 + 2) Titanium Level (96%) Hot-plug 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, 8 Phase-switching voltage regulator 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 60°C (-40°F to 140°F)
OPERATING RELATIVE HUMIDITY	8% to 90% (non-condensing)
NON-OPERATING RELATIVE HUMIDITY	5% to 95% (non-condensing)
CERTIFICATIONS	CE, FCC Class B, RoHS Compliant
WARRANTY	2 Years