

## E251-U70

Edge Server - 2U UP 6-Bay



### Features

- 2nd Gen. Intel® Xeon® Scalable Processors
- 6-Channel RDIMM/LRDIMM DDR4, 8 x DIMMs
- Supports Intel® Optane™ DC Persistent Memory
- Dual 1Gb/s LAN ports (Intel® I210-AT)
- 1 x Dedicated management port
- 6 x 2.5" hot-swappable HDD/SSD bays
- 1 x Ultra-Fast M.2 and with PCIe Gen3 x4 bandwidth
- 2 x Full-height Full-length PCIe Gen3 expansion slots
- 1+1 800W 80 PLUS Platinum redundant power supply

### Specification

<b>Dimensions (WxHxD)</b>	2U 439 x 86 x 449 mm	<b>Front I/O</b>	5 x USB 3.0, 1 x VGA, 1 x COM, 2 x RJ45, 1 x MLAN, 1 x ID button with LED
<b>Motherboard</b>	MU71-SU0	<b>Rear I/O</b>	-
<b>CPU</b>	2nd Generation Intel® Xeon® Scalable Processors Intel® Xeon® Platinum Processor, Intel® Xeon® Gold Processor, Intel® Xeon® Silver Processor and Intel® Xeon® Bronze Processor	<b>Backplane I/O</b>	Bandwidth: SATA 6Gb/s or SAS 12Gb/s per port
<b>Socket</b>	1 x LGA 3647, Socket P, CPU TDP up to 205W	<b>TPM</b>	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
<b>Chipset</b>	Intel® C621 Express Chipset	<b>Power Supply</b>	Dual 800W 80 PLUS Platinum redundant/hot-swap power supply
<b>Memory</b>	8 x DIMM slots DDR4 memory supported only 6-channel memory architecture RDIMM modules up to 64GB supported LRDIMM modules up to 128GB supported Supports Intel® Optane™ DC Persistent Memory (DCPMM) 1.2V modules: 2933( 1DPC)/2666/2400/2133 MHz	<b>System Management</b>	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>LAN</b>	2 x 1Gb/s LAN ports ( Intel® I210-AT) 1 x 10/100/1000 management LAN	<b>OS Compatibility</b>	Windows Server 2012 R2 with Update / 2016 / 2019 RHEL 6.9 (x64) / 7.3 (x64) / 8.0 (x64) or later SLES 11.4 (x64) / 12.2 (x64) or later / 15 (x64) or later Ubuntu 16.04.1 LTS (x64) / 18.04 LTS (x64) / 20.04 LTS (x64) VMware ESXi 6.0 Update3 / 6.5 / 6.7 / 7.0 or later Citrix XenServer 7.1.0 CU2 / 7.4.0 / 8.0.0 or later
<b>Video</b>	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	<b>Weight</b>	Net Weight: 11.5 kg / Gross Weight: 17.5kg
<b>Storage</b>	6 x 2.5" SATA/SAS hot-swappable HDD/SSD bays 1 x M.2 slot: - M-key, PCIe Gen3 x4 per slot - Supports NGFF-2280 cards	<b>System Fans</b>	4 x 80x80x38mm, 2-ball
<b>SATA</b>	Supported	<b>Operating Properties</b>	Operating temperature: 10°C to 35°C Operating humidity: 8-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
<b>SAS</b>	Supported via add-on SAS Card	<b>Packaging Dimensions</b>	857 x 670 x 280 mm
<b>RAID</b>	Intel® SATA RAID 0/1/10/5	<b>Packaging Content</b>	1 x E251-U70, 1 x CPU heatsinks, 1 x Rail kit, 2 x Non-Fabric CPU carrier
<b>Expansion Slots</b>	2 x Full-height Full-length PCIe Gen3 expansion slots NOTE: Signal from SLOT6 with PCIe switch	<b>Reference Numbers</b>	Barebone package: 6NE251U70MR-00 Part Numbers: - Motherboard: 9MU71SU0NR-00 - Rail kit: 25HB2-3A0202-C0R - CPU heatsink: 25ST1-353105-T1R - Riser card - CRSE520: 9CRSE520NR-00
<b>Internal I/O</b>	1 x M.2 slot, 1 x TPM header, 1 x VROC connector		

\* All specifications are subject to change without notice. Please visit our website for the latest information.

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