

ZENIX Server ZR540

Uncompromised Performance, Unmatched Reliability



As a proudly Made-in-India product and the India's best-selling server, the AXL ZENIX Super Server ZR540 is designed to adapt to any environment from large enterprises to remote branch offices. With Intel ZENIX, the ZR540 is now even better, delivering enhanced reliability, service ability and continuous availability, all backed by a comprehensive warranty.

AXL ZENIX Super Server ZR540 Key Features

- Intel® Xeon® 6 Processors
- High-density server
- Optimized Performance
- Flexible storage options
- Toolless Design

Intel® Xeon® 6 Processors

Powered by Intel® Xeon® 6 Processors featuring 86 cores, eight-channel DDR5 memory up to 6400 MHz and a maximum TDP of 350 watts per socket.

High-density 4U server

Designed to support up to eight high-end GPUs in dual-slot configurations, each up to 600 watts. Also supports NVIDIA® NVLink™ 2-Way or 4-Way bridges, ideal for demanding workloads.

Optimized Performance

GPU, NIC/DPU, and dual M.2 boot drives are directly connected to the CPU, minimizing latency and enhancing speed without occupying storage.

Flexible storage options

Supports up to six 2.5 inch U.2 NVMe drives with customizable hardware RAID configurations, delivering scalable and high performance storage solutions.

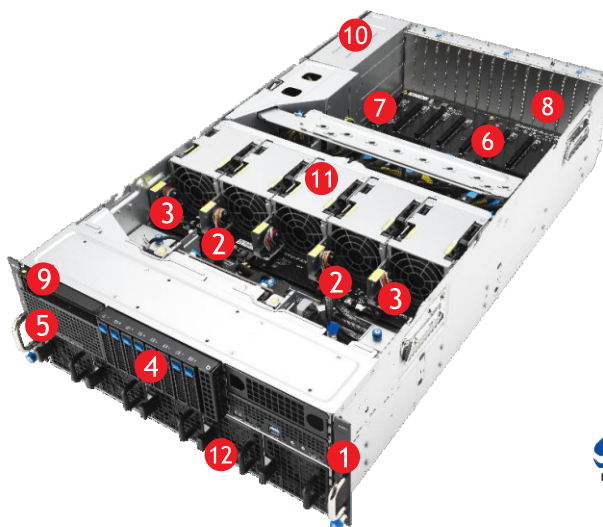
Target market

- Virtual Machines
- Data Center
- HPC Application
- AI Training
- LLM Inference

Toolless Design

Exclusive toolless design empowers easy service and saves over 90% maintenance time for maximum efficiency.

1. Asset Tag
2. 32 x DDR5 DIMM up to 6400MHz
3. 2 x Intel® Xeon® 6 Processors
4. 8 x 2.5" Hot-swap HDD Bays
5. 2 x M.2 (Gen 5 x4 link, up to 22110)
6. 8 x PCIe slot for dual-slot GPU (Gen5 x16 link, support up to 600W)
7. 1 x PCIe slot for NIC / NVIDIA BlueField® -3 DPUs (Gen5, x16 link, FHHL)
8. 1 x PCIe slot for NIC (Gen5, x16 link, FHHL)
9. 1 x PCIe slot for PCIe card (Gen5 x8 link, FHHL)
10. 3+1 Redundant 3200W 80 PLUS Titanium Power Supply
11. 5 x GPU Fan
12. 5 x System Fan





Specifications		Details
Processor Support		2 x LGA 4710 Sockets Intel® Xeon® 6 Processors up to 350 TDP
Core Logic		System on Chip (SOC)
Memory	Total Slots Capacity Memory Type Memory Size	32xDIMM slots (8 channel per CPU, 16 DIMM per CPU) Maximum up to 4TB DDR5 6400 (1DPC)/ 5200(2DPC) RDIMM 128GB, 96GB, 64GB, 32GB, RDIMM
Expansion Slots	Total Slots Slot Type	SKU 1 (with RAID) up to 11 slots, SKU 2 (w/o RAID) up to 10 slots <div>SKU1 (with RAID) -8 x PCIe x 16 for dual-slot GPU cards (Gen5 x 16 link, FHFL) -1 x PCIe x 16 for NIC/BlueField-3 cards (Gen5 x 16 link, FHFL) -1 x PCIe x 16 for NIC cards (Gen5 x 8 link, FHHL) -1 x PCIe x 16 for HBA/RAID cards (Gen5 x 8 link, FHHL)*</div> <div>SKU2 (without RAID) -8 x PCIe x 16 for dual-slot GPU cards (Gen5 x 16 link, FHFL) -1 x PCIe x 16 for NIC/BlueField-3 cards (Gen5 x 16 link, FHFL) -1 x PCIe x 16 for NIC cards (Gen5 x 8 link, FHHL)* *Located on the front riser</div>
Storage Bays		8 x 2.5" Front Hot-swap Storage Bays SKU1 (with RAID) up to 6 NVMe devices based on HBA/Raid card model installed SKU2 (without RAID) up to 4 NVMe devices
Networking		1 x Management Port (Rj45)
Graphic	VGA	Aspeed AST2600 64MB
Front I/O Ports		1 x Mini display Port 2 x USB 5Gbps Ports 1 x Debug Port
Rear I/O Ports		1 x USB 5Gbps Port 1 x RJ-45 management LAN port
Switch/LED		Front Switch/LED: 1 x Power switch/LED, 1 x Location switch/LED, 1 x Message LED, 1 x Clear CMOS switch, 1 x Reset switch, 2 x M.2 LEDs, 1xQ-Code/Port 80 LED Rear: 1 x Power switch/LED, 1 x Location switch/LED, 1 x Message LED
OS Support		Windows Server RedHat® Enterprise Linux, SuSE® Linux Enterprise Server, CentOS, Ubuntu, VMware
Management Solution		Control Center Enterprise (in-band) ASMB12-ikVM for (out of band/BMC AST2600)
Dimension		800mm x 439.5 mm x 175 mm (4U) 31.5" x 17.3" x 6.9"
Weight		Net Weight: 42 Kg, Gross Weight: 44.23 Kg
Power Supply (following different configuration by region)		3+1 Redundant 3200W 80 PLUS Titanium power 20-240 Vac, 16A (x4) 50/60 Hz
Environment		Operating temperature: 10 °C ~ 35 °C Non-operating temperature: -40 °C ~ 60 °C Non-operating humidity: 20% ~ 95% (Non-condensing)

Let AXL help guide you to the New Style of IT. AXL Services delivers confidence, reduces risk, and helps you realize greater agility and stability.

- Our Consulting services provide advice and guidance to safely move your workloads to newer technologies.
- AXL implementation and installation services enable faster, more reliable startup of your new AXL ZENIX servers, and our support portfolio allows you to get connected and get back to business fast.
- Our support technology lets you tap into the knowledge of millions of devices and thousands of experts to stay informed and in control, anywhere, any time.