

Server ZR525V

Uncompromised Performance
Unmatched Reliability



A high-density 2U enterprise server platform powered by dual AMD EPYC processors, delivering exceptional compute performance, PCIe Gen5 scalability, and storage flexibility for modern data center workloads.

AXL Super Server ZR525V (SATA) Key Features

- 2U Rackmount Chassis with Redundant 1+1 CRPS Power Supply, 80 PLUS Platinum Certified (1600W/2000W)
- Supports Dual AMD EPYC™ 9005 & 9004 Series Processors
- 24 DDR5 DIMM Slots supporting RDIMM and RDIMM-3D Memory Modules
- 4 x Hot-Swap 2.5" SATA/SAS Drive Bays
- Dual M.2 NVMe Slots (PCIe Gen3 x4, 2280 Form Factor)
- 6 High Performance PWM Hot-Swap Cooling Fans (60×56 mm)
- OCP 3.0 Networking Expansion:
 - 1 x OCP 3.0 PCIe Gen5 x8 (CPU0)
 - 1 x OCP 3.0 PCIe Gen5 x16 (CPU1)
- Dedicated 1GbE RJ45 Management Port for IPMI/BMC
- ASPEED AST2600 BMC for Remote Server Management
- PCIe Gen5 Expansion Capability for High-Speed Networking and Accelerators
- Optimized for Virtualization, Private Cloud, Enterprise Storage, AI, and HPC WorkloadsTA 6Gb/s ports 3xSlimSAS with 12 x SATA 6Gb/s ports

Redefining performance for the workloads of the future.

Designed for versatility, efficiency and seamless manageability.

As a proudly Made-in-India product and the India's best-selling server, the AXL Super Server ZR525V (SATA) is designed to adapt to any environment from large enterprises to remote branch offices. With AMD the ZR525V (SATA) is now even better, delivering enhanced reliability, serviceability, and continuous availability, all backed by a comprehensive warranty.

With the AXL Super Server ZR525V(SATA), you can deploy a single, high-performance platform to handle a diverse range of enterprise workloads, including:

- **Virtualization** – Maximize efficiency by consolidating multiple workloads on a single ZR525V(SATA) server.
- **Big Data** – Seamlessly manage exponential data growth, whether structured, unstructured, or semi-structured.
- **Storage-Centric Applications** – Eliminate bottlenecks and enhance performance for data-intensive operations.
- **Data Warehousing & Analytics** – Gain real-time insights to drive smarter business decisions.
- **Customer Relationship Management (CRM)** – Achieve a 360-degree view of customer data to enhance satisfaction and loyalty.
- **Enterprise Resource Planning (ERP)** – Rely on the ZR525V(SATA) for near real-time business operations and streamlined workflows.
- **Virtual Desktop Infrastructure (VDI)** – Empower your workforce with flexible remote desktop solutions accessible from any device, anytime, anywhere.
- **SAP® Integration** – Optimize business processes with real-time transparency and seamless end-to-end data management.

Proudly Made in India, the AXL Super Server ZR525V(SATA) is engineered for flexibility, efficiency, and superior manageability—setting a new standard for enterprise computing.



Specifications

System	
Form Factor	2U Rackmount
Dimensions	770.0 × 438.0 × 86.4 mm (30.3" × 17.2" × 3.4")
Support MB	KPSRV242UAE91L
Front Panel	
Buttons	Power, Reset, UID
LEDs	Power, LAN 1/2, HDD Activity, System Status
I/O Ports	1 × Type-A (USB 3.2 Gen1), 1 × Type-A (USB 2.0), 1 × DB15 (VGA)
External Drive Bay / Storage	
Front Side Drive Bay	24 hot-swap 2.5" SATA/SAS
Front Side Backplane	Supports SFF 24 × SATA/SAS onboard
Rear Side Backplane	2 × 2.5" SATA onboardInternal SideSupports 2 × M.2 Connectors (PCIe Gen3, 2280 only)
Power Supply	
Type	1+1 CRPS
Output Watts	1600W / 2000W
Efficiency	80 PLUS Platinum
System Fan	
Fan	6xPWM Hot-swap 60x56 mm fans
Processor System	
CPU	AMD EPYC™ Genoa 9004 Series (up to 360W)
Socket	Dual Socket SP5 (LGA 6096)
Thermal Design Power	Up to 360W
Chipset	System on Chip
System Memory	
Supported DIMM Quantity	Quantity12 + 12 DIMM slots (1DPC)
Supported Type	DDR5 288-pin RDIMM, RDIMM-3DS
Max Capacity per DIMM	RDIMM: 64GB (2R) (by condition)
Max DIMM Frequency	4800 Mhz
Voltage	Voltage1.1V
PCIe Expansion Slots	
Slot 2, Slot 3, Slot 4, Slot 6	2xFHFL PCIe Gen5x16 2xFHFL PCIe Gen5x16
Ethernet	
OCP Slot	1xOCP 3.0 Gen5x8(CPU0), OCP 3.P Gen5x16 (CPU1)
Server Management	
BMC Controller	Aspeed AST2600
IPMI Dedicated GLAN	1xRealtek RTL8211F for dedicated management GLAN
Graphics	
Controller	Aspeed AST2600
VRAM	DDR5 256 MB
Rear I/O	
UID Button/LED	1xUID button with LED
VGA Port	1xMini Display Port
USB Port	2xType-A (USB 3.0 / USB 3.2 Gen1)
RJ45	1xRJ45 (1GbE) for BMC Management
System I/O	
BIOS Type	AMI UEFI BIOS; 256 MB(32MB) SPL Flash ROM
BIOS Features	ACPI 6.4 and above compliance, Wake-up Events, SMBIOS 3.5.0 and above, Plug and Play(PnP)
Environment	
Operating Temperature	10°C to 35°C
Non-Operating Temperature	-40°C to 70°C
Non-Operating Humidity	20% to 90% (Non-condensing)