

NexaVM Server S120 Series Generation 5 Enterprise Optimized Rack Server



The NexaVM S120 Gen 5 Series is a High-Performance Enterprise Server Platform designed for Virtualization, Private Cloud, Storage, Backup, and Business-critical workloads.

Built with Intel Xeon and AMD EPYC Processor options, the S120 delivers Reliability, Scalability, and Enterprise-grade Availability for Modern Data Centers.

Key Highlights

- » 2U Rack-mount Enterprise Platform
- » Up to 256 CPU cores per Node Configuration
- » Up to 16 DDR5 Memory Slots
- » 12 Drive bays with up to 12 NVMe SSDs
(by default, only SAS/SATA, customizable up to 12 NVMe slots)
- » RAID 0/1/5/6/10 and JBOD support (by default, only HBA card, customizable add RAID card with/without battery)
- » Dual Hot-swappable Redundant Power Supplies
- » Integrated IPMI Remote Management
- » Enterprise Validated and Optimized Platform

Available Models

More Models could be customized upon request

S120-I32-G5 – 2 × Intel Xeon Gold 6530 (32C/64T)

S120-A32-G5 – 2 × AMD Genoa 9354 (32C/64T)

- Default Networking: 2 × 10GbE SFP+ and 2 × 1GbE RJ45
- Optional 1GbE, 10GbE, and 25GbE Network Adapters
- 4 PCIe Expansion Slots
- Soft RAID1 OS Disk Protection
- Rear USB 3.0 and USB 2.0 Connectivity
- Operating Temperature: 10–35°C

Physical Specifications

Dimensions: 680 × 438 × 88 mm (2U)

Weight: 35 kg

Form Factor: Standard 19-inch Rack Mount

Power Supply: Dual Redundant Hot-Swap PSU (550W / 800W)

Why Choose NexaVM S120?

The S120 Series is Engineered for Virtualization Clusters, Cloud Infrastructure, Storage Services, Backup Repositories, and Enterprise Applications. Every Server Configuration undergoes Validation and Testing to ensure Dependable Operation in Production Environments.

NexaVM
Building Reliable
Enterprise
Infrastructure

Technical Specification



NexaVM Server Model S120 Gen 5 Server DataSheet

Model SKU	S120-I32-G5	S120-A32-G5
CPU	Intel Xeon Gold 6530, 32C/64H,2.1GH	AMD Genoa 9354 32C/64H-3.25GHz
No. of CPU	2	2
Supported RAM	32/64GB DDR5	32/64GB DDR5
RAM Slots	16	16
OS Disk with Soft RAID1	2	2
RAID/HBA (default)	RAID SAS9361-8i-1G / HBA SAS9300-8i	RAID SAS9361-8i-1G / HBA SAS9300-8i
Support RAID Mode if RAID card is configured	RAID 0/1/5/6/10 & JBOD	RAID 0/1/5/6/10 & JBOD
Disk Slots	12	12
Default NIC	2*10GE SFP+2*1GE RJ45	2*10GE SFP+2*1GE RJ45
Optional NIC	NIC-1GE-2/NIC-10GE-2/NIC-25GE-2	NIC-1GE-2/NIC-10GE-2/NIC-25GE-2
USB	rear USB,2*USB3.0+2*USB2.0	rear USB,2*USB3.0+2*USB2.0
Dimension (Support 19inch Standard Form Factor Rack)	680 mm (D)* 438 mm (W)* 88 mm (H)	680 mm (D)* 438 mm (W)* 88 mm (H)
Gross Weight	35kg	35kg
Total PCIe Slots	4	4
Maximum NVMe Slots	0 by default, maximum 8	0 by default, maximum 8
Power Specs	550watt dual power units	550watt dual power units
Power Supply Hot Swap	Yes	Yes
Working Power	Typical Power: 300w Max Power: 550w	Typical Power: 300w Max Power: 550w
Fans	4	4
VGA	1	1
Serial Port	1	1
IPMI (1GbE)	1	1
Working Temperature	10-35°C	10-35°C
Working Humidity	35%-80%RH	35%-80%RH

Note: CPUs and RAMs are certified; Complete server is thoroughly tested by R&D team, Product quality is assured and optimized for enterprise market