



## NexaVM Server S120 Series Enterprise Optimized Rack Server Platform



The NexaVM S120 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 96 CPU cores per node configuration
- Up to 16 DDR4 memory slots (S120S has 8 memory slots and S120 has 16.)
- 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

S120S-I18-G2 – 1 × Intel Xeon Gold 6240 (18C/36T)

S120-I18-G2 – 2 × Intel Xeon Gold 6240 (18C/36T)

S120-I32-G3 – 2 × Intel Xeon Platinum 6338 (32C/64T)

S120-A48-G2 – 2 × AMD EPYC 7K62 (48C/96T)

- 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

 <b>NexaVM Server Model S120 Enterprise Optimized Server DataSheet</b>				
Model	<b>S120</b>			
SKU	S120S-I18-G2	S120-I18-G2	S120-I32-G3	S120-A48-G2
CPU	Intel Xeon Gold Gold 6240,18C36H 2.6GH	Intel Xeon Gold Gold 6240,18C36H 2.6GH	Xeon Platinum 6338,32C/64H,2.0GH	EPYC 7K62,48C96H 2.6GH
No. of CPU	1	2	2	2
Supported RAM	32/64GB DDR4	32/64GB DDR4	32/64GB DDR4	32/64GB DDR4
RAM Slots	8	16	16	16
OS Disk with Soft RAID1	2	2	2	2
HBA (default) /RAID	RAID SAS9361-8i-1G / HBA SAS9300-8i	RAID SAS9361-8i-1G / HBA SAS9300-8i	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	RAID 0 / 1 / 5 / 6 / 10 & JBOD	RAID 0 / 1 / 5 / 6 / 10 & JBOD
Disk Slots	12	12	12	12
Default NIC	2*10GE SFP+2*1GE RJ45	2*10GE SFP+2*1GE RJ45	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	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	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)	680 mm (D)* 438 mm (W)* 88 mm (H)	680 mm (D)* 438 mm (W)* 88 mm (H)
Gross Weight	35kg	35kg	35kg	35kg
Total PCIe Slots (may customize for more slots)	4	4	4	4
Maximum NVMe Slots--customizable, by default 0	12	12	12	12
Power Specs	550watt dual power units	550watt dual power units	800watt dual power units	800watt dual power units
Power Supply Hot Swap	Yes	Yes	Yes	Yes
Working Power	Typical Power: 300w Max Power: 550w	Typical Power: 450w Max Power: 550w	Typical Power: 600w Max Power: 800w	Typical Power: 600w Max Power: 800w
Fans	4	4	4	4
VGA	1	1	1	1
Serial Port	1	1	1	1
IPMI (1GbE)	1	1	1	1
Working Temperature	10-35°C	10-35°C	10-35°C	10-35°C
Working Humidity	35%-80%RH	35%-80%RH	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