

Nfina 5208R Server



FEATURES:

- 1U rack-mount dual-socket server
- Choice of 2nd Generation Intel® Xeon® Scalable Processors
 - Platinum, Gold, Silver and Bronze available
 - 2.7GHz to 4.0GHz processor speeds available
 - Up to 28 cores per processor
- Up to 1.5TB total memory
- Supports Intel® Optane™ Memory
- 8 x 2.5" hot-swap drive bays
 - Supports SAS, SATA, SSD, & NVMe
- Virtual RAID on CPU (VROC) available for NVMe drives
- Up to 122TB storage
- 12Gb/s SAS capable
- Redundant hot-swap power supplies
- 2 x 10GbE (100/1000/10000) LAN ports, 1 x 1GbE (mgmt port)
- Nfina Servers come with no adware, spyware, bloatware, or trackware

The Nfina 5208R with 2nd Generation Intel® Xeon® Scalable Processors is setting new benchmarks in server performance.

The 5208R offers exceptional performance and value in a 1U server platform. 2nd Generation Intel® Xeon® Scalable Processors deliver superior performance per-core, and enhanced memory capability makes the 5208R a remarkably fast server. The 5208R configured with eight SSD or NVMe drives makes an ideal high performance all-flash array for robust virtualized environments with demanding applications. This server is a perfect fit for data center and enterprise applications that require a HPC platform.

Nfina Technologies Servers can be an important component in maximizing data center efficiency. Our intelligent hardware designs create efficient solutions, thereby substantially lowering energy and IT costs.

Nfina products deliver exceptional functionality by creating products that are easily customized to fit specific applications. Designed and built for virtualized computing environments, our products provide high density, maximum yield solutions for our customers. Multiple options for high performance computing, including I/O, RAID, storage, and memory options make our products a custom fit for many applications.

All Nfina Technologies' servers are backed by a five-year limited warranty and include 24x7 tech support with remote diagnostics. Next day and four hour onsite response options are available.

Nfina Servers come with no adware, spyware, bloatware, or trackware.

HYBRID CLOUD SOLUTIONS
CYBER SECURE SERVERS
BACKUP & RAPID DR
DATA STORAGE

nfina
HYBRID ■ CLOUD SOLUTIONS

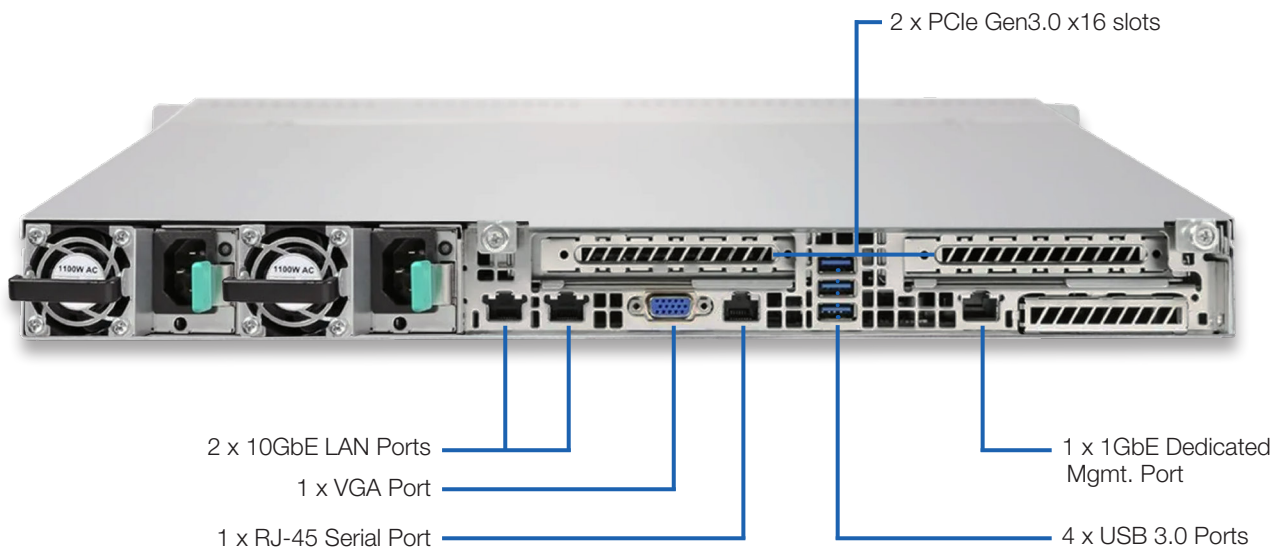
NFINA 5208R

SPECIFICATIONS	
Form Factor	1U rack-mount, 1.72" x 16.93" x 27.95"
Operating Temperature	10°C to 35°C (50°F to 95°F)
Processor	2nd Generation Intel® Xeon® Scalable Processors, up to 28 cores each
Processor Speed	2.7GHz to 4.0GHz
Socket	Dual Socket P
Memory	Up to 24 DIMMs, DDR4 ECC 2933 MHz 1.5TB Max memory capacity Intel® Optane™ Memory supported
Storage	8 x 2.5" hot-swap drive bays Supports: 8 NVMe, SSD, and HDD drives 2 x internal M.2 NVMe/SSDs (2280), PCIe® or SATA
Maximum Storage	Up to 122TB, depending on drive type
Software RAID	0, 1, 10, optional 5
Hardware RAID/Caching	Hardware RAID optional, Caching available
Virtual RAID on CPU for NVMe drives	Choose: VROC Premium (0,1,5,10) VROC Standard (0,1,5) or Passthrough (No RAID)
Input Voltage	100-127V @ 10A, 50/60 Hz 200-240V @ 6A, 50/60 Hz
Power Supply	Redundant hot-swap 1100W AC
Remote Management	IPMI 2.0, KVM over HTML5, included
TPM	Version 2.0, optional
Software Certifications	VMware® ESXi™ 6.0/6.5/7.0 w/ VM Direct Path I/O, SR-IOV, Fault Tolerant
OS Supported	Microsoft® Windows Server® 2019, 2022, Windows® 10 Pro/Enterprise, VMware® ESXi™ 6.0-7.0, Nfina-Store, Edge-Store™, Open-E® JovianDSS™ & DSS7, Red Hat® RHEL5,6,7x, SUSE® SLES 11,12, Ubuntu 14,15,16,17, CentOS™ 6,7, XenServer® 6.5-7.6, more options available
Certifications	NRTL Nemko (US, Canada), CE (Europe), RCM (Australia/NZ), GS (Germany), FCC (US), ICES-3(A) (Canada), KC (Korea), Ukraine Certification, BSMI (Taiwan), EAC (Russia), VCCI-A (Japan), RoHS EVPU 20 (China), MIC (Vietnam)
Warranty	5 years

NFINA 5208R

SPECIFICATIONS

I/O	5 x USB 3.0 ports (2 front, 3 rear)
Display	2 x VGA ports (1 front, 1 rear)
Ethernet	2 x 10GbE LAN (100/1000/10000) standard, other options available 1 x 1GbE (Dedicated management port)
PCIe® Slots	2 x PCIe® Gen3 x16



OTHER NFINA 5208R SOLUTIONS

HYBRID CLOUD EDGE-TO-CLOUD SOLUTIONS

5208R-HC

The 5208R-HC is a single node, eight bay Hybrid Cloud solution, designed for mid-sized companies that require more VMs, storage capacity, and performance than entry-level models. Nfina's Hybrid Cloud solutions are the perfect alternative to the public hyperscale cloud, offering more benefits than the public cloud without the cost and complexity. Copies of your data are maintained on-site and at geo-redundant off-site locations. Nfina's Hybrid Cloud solutions makes storage, compute, backup, disaster recovery, managed services, and system monitoring easy by becoming your single point of contact for the entire process.

Nfina's Hybrid Cloud products include easy and reliable backup and disaster recovery management tools. **Nfina Edge-Store™** and **Nfina-Store™** are management software designed to create and manage data storage pools. Snapshots created according to your desired frequency provide fool-proof on and off-site backup and disaster recovery protection. For added security, snapshots are encrypted during transmission with at-rest encryption available as an option. **Nfina-View™** software uses a unified management control pane to monitor your edge and cloud data storage pools. In the event of an outage or failure, Nfina-View allows you to quickly failover and run from your backups in minutes, not hours or days. If a ransomware attack occurs, your system is rolled back and restored from snapshots taken before the event occurred. Nfina-View also allows you to test your backups and failover procedures, assuring your IT systems are protected if an actual disaster occurs.

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