

# Nfina 9412R Server



## FEATURES:

- 2U rack-mount dual-socket server
- Choice of 5th Generation Intel® Xeon® Scalable Processors
  - Gold, and Silver available
  - 2.0GHz to 4.1Ghz processor speeds available
  - Up to 32 cores per processor
- 16 DIMM slots (DDR5 support)
  - Up to 4TB capacity
- 12 x 3.5" or 2.5" SSD/HDD hot-swap drive bays
- 2 x 2.5" rear NVMe drives
- 2 x M.2 NVMe PCIe slots
- Redundant hot-swap power supplies
- 1 x 1GbE dedicated management port
- 2 x 10GbE LAN ports

The Nfina 9412R with 5th Generation Intel® Xeon® Scalable Processors is a high-value, high-density server ideal for demanding, compute-intensive applications.

Delivering network agility, and flexibility Nfina's 9412R, 12-bay 2U dual-socket server is the perfect choice for hyperconverged networks or scale-out storage. Configure this server with a combination of SSD, NVMe, and M.2 drives for a powerful computing solution. In IT environments consisting of hyperconverged systems, virtualized systems, advanced analytics, or artificial intelligence, the 9412R server delivers on performance and efficiency.

For added data protection and retention, we also recommend using the 9412R as a High-Availability device within a Hybrid-Cloud or Disaster Recovery Solution.

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.



**HYPERCONVERGED  
SAN STORAGE  
HYBRID CLOUD  
CLOUD HOSTING  
BACKUP & RAPID DR**

***nfina***

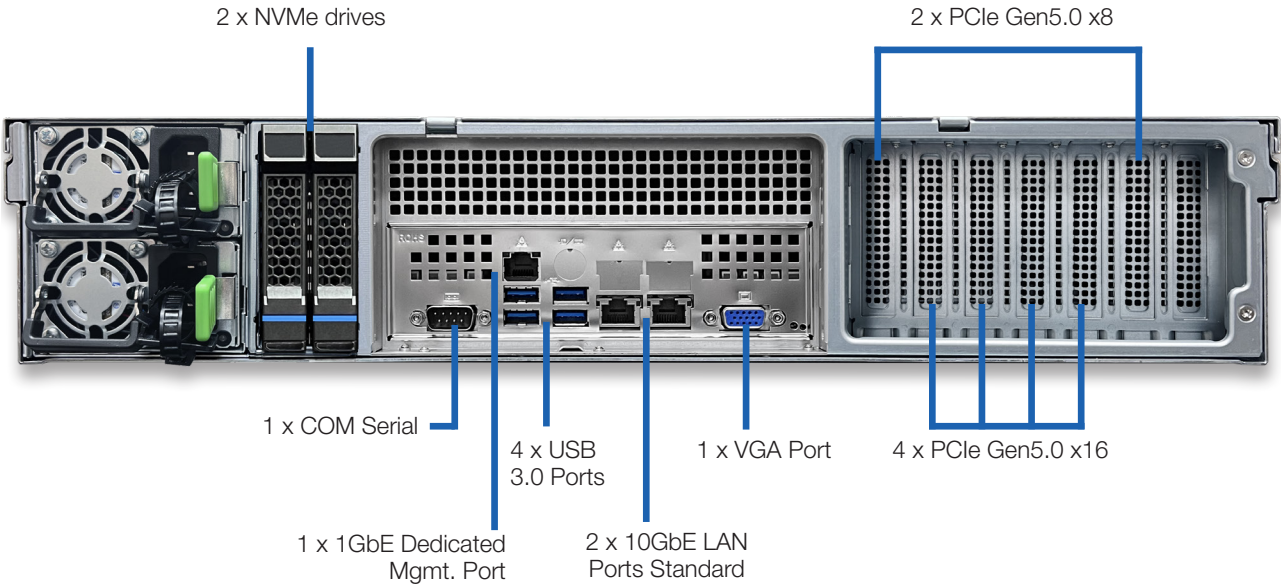
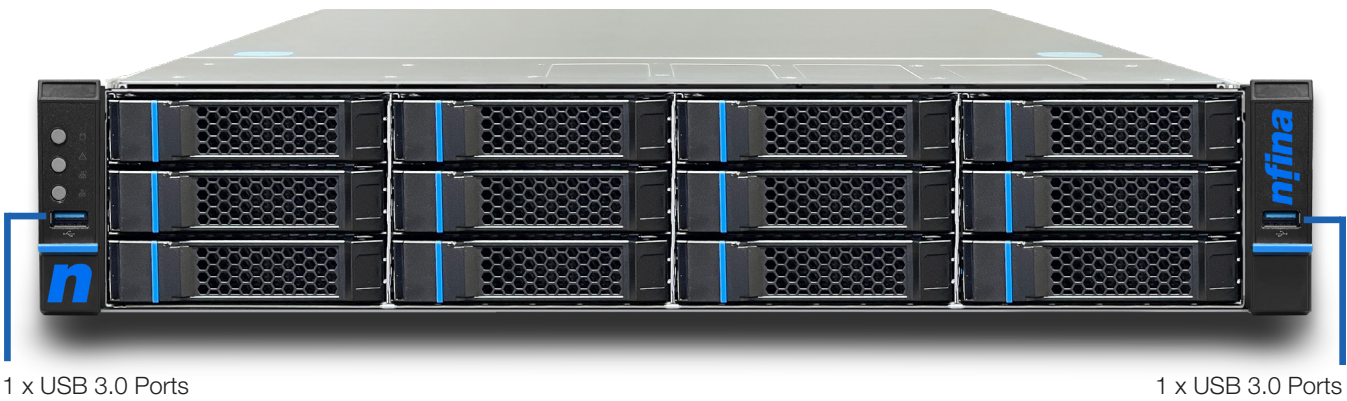
# NFINA 9412R

SPECIFICATIONS	
Form Factor	2U rack-mount, 3.43" x 17.24" x 25.93"
Operating Temperature	10°C to 35°C (50°F to 95°F)
Processor	5th Generation Intel® Xeon® Scalable Processors, 32 cores each, 205W max
Processor Speed	2.0GHz to 4.1GHz
Processor Cache	60MB
Socket	Dual Socket E (LGA-4677)
Memory	Up to 16 DIMMs, ECC RDIMM, DDR5 4800MHz 4TB Max memory capacity
Storage	12 x 3.5" or 2.5" SSD/HDD hot-swap drive bays 2 x rear 2.5" NVMe drives 2 x internal M.2 NVMe slots, PCIe® 4.0 (22110 or 2280)
Software RAID	0, 1, 10, optional 5
Hardware RAID/Caching	Hardware RAID optional, Caching available
Input Voltage	100-240V AC
Power Supplies	Dual hot-swap 800W AC
Remote Management	BMC, IPMI 2.0, KVM over HTML5, and Redfish API
TPM	Version 2.0, optional
OS Supported	Microsoft® Windows Server® 2019, 2022, VMware® ESXi™ 7.0u3d, vSphere® 9.0, Nfina-Store™, Red Hat® RHEL 8.6-9.2, SUSE® SLES 15 SP3, Ubuntu 22.04, CentOS™ 8.6, Rocky Linux 8.6, more options available
Regulatory Certifications	CE, UL 62328, FCC part 15 (US)
Warranty	5 years

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## SPECIFICATIONS

I/O	6 x USB 3.0 ports (2 front, 4 rear) 1 x COM Serial port (rear)
Display	1 x VGA ports (rear)
Ethernet	2 x 10GbE LAN (100/1000/10000) standard, other options available 1 x 1GbE (Dedicated management port) included
PCIe® Slots	4 x PCIe® Gen5 x16 FL/FH 2 x PCIe® Gen5 x8 HL/FL



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## OTHER NFINA 9412R SOLUTIONS

### STORAGE SOLUTIONS

#### 9412R-NAS

The 9412R-NAS offers high-performance storage (block and file share) for backup, disaster recovery, or business continuity solutions. It is the ideal candidate for an all-flash storage array (AFA) or for creating backup storage for a HA cluster and can be loaded with 12 HDD/SSD front drives and two rear NVMe drives, alleviating the I/O bottleneck between high performance and capacity.

#### 9412R-SAN

The 9412R-SAN dual nodes deliver high-performance, high IOPS, and low latency. This SAN equipped with 24 SSD/HDD drives, is the ideal candidate for a wide variety of network and storage options including disaster recovery, hybrid cloud, and hyperconverged applications. This SAN also comes with four rear NVMe drives (2 per node).

### HYPERCONVERGED SOLUTIONS

#### 9412R-HA

The 9412R-HA is a dual node hyperconverged/high-availability model developed for businesses requiring a High-Availability solution with a large number of VMs, maximum performance, and uptime. These dual-socket servers support 24 SSD/HDD drives and four rear NVMe drives. They provide a high level of security, redundancy, and fast data response times.

#### 9412R-E

The 9412R-E single-node edge device is optimal for businesses that require a high amount of VMs, storage capacity, and more performance than mid-level models. This dual-socket server is an excellent solution that supports 12 SSD or HDD drives and two NVMe drives.

### HYBRID CLOUD EDGE-TO-CLOUD SOLUTIONS

#### 9412R-HC

The 9412R-HC is a dual node, 24-bay Hybrid Cloud solution, designed for businesses requiring High-Availability with maximum performance and uptime. 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-Store™** is 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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