

# Nfina 8224R-i20 NAS



## FEATURES:

- 2U 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
- Intel® Advanced Vector Extensions (AVX-512)
  - Accelerates deduplication, encryption, compression, & decompression
  - Double the flops per clock cycle of AVX2
- Intel® Ultra Path Interconnect
- Up to 1.5TB total memory
- Supports Intel® Optane™ Memory
- 24 x 2.5" hot-swap drive bays
  - Supports NVMe, SSD, & HDD drives
- Up to 368TB storage
- 12Gb/s SAS capable
- Redundant hot-swap power supplies
- 2 x 10GbE (100/1000/10000) LAN ports, 1 x 1GbE (mgmt port)

The Nfina Technologies 8224R-i20 NAS, a low latency, high-density storage solution ideal as an all-flash array, high-performance backup, or in a HA cluster.

Offering complete redundancy for backup, disaster recovery, or business continuity solutions the 8224R-i20 NAS is the ideal candidate for an all-flash storage array or for creating storage pools in a HA cluster and can be loaded with 24 NVMe/SSD direct attach drives, alleviating the I/O bottleneck between high performance and capacity.

In environments consisting of hyperconverged systems, virtualized systems, advanced analytics, or artificial intelligence, the 8224R-i20 NAS delivers on performance and efficiency. Data centers for enterprise, military, and municipal government will benefit from Nfina's outstanding value, reliability and performance.

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.

SERVERS

DATA STORAGE

PCs & WORKSTATIONS



# NFINA 8224R-i20 NAS

## SPECIFICATIONS

Form Factor	2U rack-mount, 3.44" 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 24 DIMM slots, DDR4 ECC 2933 MHz 1.5TB Max memory capacity Intel® Optane™ Memory supported
I/O	3 x USB 3.0 ports (rear) 1 x USB 2.0 ports (front) 1 x VGA port (rear), 1 x RJ-45 Serial-A port (rear)
Ethernet	2 x 10GbE LAN (100/1000/10000) standard, other options available 1 x 1GbE (Management port)
PCIe® Slots	7 x PCIe® Gen3 x8 1 x PCIe® Gen3 x4
Storage	24 x 2.5" hot-swap drive bays (front) Supports: 24 NVMe, SSD, and HDDs 2 x 2.5" rear mounted hot-swap drives (optional) 2 x Internal M.2 NVMe/SSDs (2280), PCIe® or SATA (optional)
Maximum Storage	Up to 368TB, 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 @ 8.5A, 50/60 Hz, 200-240V @ 7.5A, 50/60 Hz
Power Supply	Redundant hot-swap power supplies @ 1300W AC each
Remote Management	IPMI 2.0, KVM over HTML5
TPM	Version 2.0, optional
OS Supported	Microsoft® Windows Server® 2016, 2019, Windows® 10 Pro/Enterprise, VMware® ESXi™ 6.0-7.0, Open-E® JovianDSS™ & DSS7, Red Hat® RHEL 5,6,7x, 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

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