



The Nfina Technologies™ 8224R-i20s SAN with forty-eight all-flash NVMe/SSD drives delivers high-density, high IOPS, and low latency.

Features:

- Twin 2U rack-mount dual-socket server
- Choice of Intel® Xeon® Scalable Processors
 - Platinum, Gold, Silver and Bronze Available
 - 1.7GHz to 3.7GHz processor speeds available
 - Up to 22 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 (UPI)
 - Provides increased scalability of the platform
 - Improves communication and throughput between multiple processors
- 4 x 10GbE (100/1000/10000) LAN
- Integrated iWARP RDMA Ethernet
- Up to 1.54TB memory (per chassis)
- Supports Intel® Optane™ Memory
- 48 x 2.5" hot-swap drive bays
 - Supports SAS, SATA, SSD, & NVMe
- Intel® VMD enables hot-swapping NVMe SSDs
- 4 x 2.5" hot swap rear drive bays optional
- 4 x 2.5" internal SSD drive support
- 4 x M.2 SSD connectors, PCIe or SATA (22X80)
- Up to 528TB storage (264TB usable)
- 12Gb/s SAS capable
- Redundant hot-swap power supplies
- LSI® hardware RAID & Caching available
- Intel® VROC for optional NVMe RAID
- GUI SW with Active-Active Failover
- No single point of failure

The Nfina 8224R-i20s SAN with Intel® Scalable System Framework (SSF) is truly a breakthrough in storage solutions. Delivering high-performance, high IOPS, and low latency this SAN equipped with 48 NVMe/SSDs drives is the ideal candidate for an all-flash storage array, 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-i20s SAN 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 on-site response options are available.

Specifications

Form Factor	Twin 2U rack-mount, 3.44" x 16.93" x 27.95"
Operating Temperature	10°C to 35°C (50°F to 95°F)
Processor	Intel® Xeon® Scalable Processors, up to 22 cores each
Processor Speed	1.7GHz to 3.7GHz
Socket	Dual Socket P
Memory	Up to 24 DIMMs, DDR4 ECC 2133/2400/2666 MHz (per chassis) Up to 1.54TB Memory (per chassis) Intel® Optane™ Memory supported
I/O	Five USB and two serial ports (per chassis)
Ethernet	2 x 10GbE LAN (100/1000/10000) standard (per chassis)
PCIe®	2 x PCIe® x24 Riser Super Slots (per chassis)
Storage	24 x 2.5" hot-swap drive bays (front – per chassis) Supports: 24 NVMe, SSD, SATA, and SAS drives (per chassis) 2 x 2.5" rear mounted hot-swap drives (optional – per chassis) 2 x 2.5" internal SSD drives (optional – per chassis) 2 x Internal M.2 SSDs, PCIe® or SATA 22x80 (optional – per chassis)
Maximum Storage	Up to 528TB (264TB usable), depending on drive type
Software RAID	0,1,10, optional 5 Intel® VROC (Virtual RAID on CPU) for optional NVMe RAID
Hardware RAID	LSI® Hardware RAID (optional)
Input Voltage	100-127V @ 8.5A, 50/60 Hz 200-240V @ 7.5A, 50/60 Hz
Power Supplies	Redundant hot-swap 1300W AC power supplies
Remote Management	Remote Management Module (RMM) included
Trusted Platform Module	Trusted Platform Module (TPM) optional
Supported OS	Open-E® JovianDSS™, VMware® ESXi™ 6.0/6.5, Microsoft® Windows Server® 2012 R2, 2016, Red Hat® RHEL 5,6,7, SUSE® SLES 11,12, Ubuntu 14,15,16,17, XenServer® 6.5-7.3, CentOS™ 6,7, KVM, more
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)

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