

Nfina 8224R-i20s SAN



FEATURES:

- Twin 2U rack-mount dual-socket server
- Choice of Intel® Xeon® Scalable Processors
 - Platinum, Gold, Silver and Bronze available
 - 1.7GHz to 3.8GHz 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 1.54TB total memory (per chassis)
- Supports Intel® Optane™ Memory
- 48 x 2.5" hot-swap drive bays
 - Supports SAS, SATA, SSD, & NVMe
- Up to 528TB storage (264TB usable)
- Redundant hot-swap power supplies
- 4 x 10GbE (100/1000/10000) LAN ports

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

The Nfina 8224R-i20s SAN with Intel® Xeon® 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 allflash 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 highdensity, 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-i20s SAN

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 28 cores each
Processor Speed	1.7GHz to 3.8GHz
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® Slots	Two - 3x PCIe® Gen3 x8 (per chassis) One - 1x PCIe® Gen3 x8 + 1x PCIe® Gen2 x4 (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 Supply	Redundant hot-swap 1300W AC power supplies
Remote Management	Remote Management Module (RMM) included
Trusted Platform Module	Trusted Platform Module 2.0 (TPM) optional
OS Supported	Open-E® JovianDSS™, VMware® ESXi™ 6.0/6.5, Microsoft® Windows Server® 2012 R2, 2016, 2019, 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 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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