

Nfina 7212R-i20 NAS



FEATURES:

- 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
 - Supports Intel® Optane™ Memory
- 12 x 3.5" hot-swap drive bays
 - Supports SAS, SATA, SSD, & NVMe
- Up to 144TB storage
- 12Gb/s SAS capable
- Redundant hot-swap power supplies
- 2 x 10GbE (100/1000/10000) LAN ports

The Nfina 7212R-i20 NAS, a scalable, hybrid storage solution for backup, disaster recovery, or High-Availability clusters.

The Nfina 7212R-i20 NAS with Intel® Xeon® Scalable System Framework (SSF) is truly a breakthrough storage and compute platform. Ideal for backup, disaster recovery or creating/adding storage pools in a HA cluster this NAS can be loaded up with SAS, SATA, SSD, NVMe, and/or M.2 drives for a high-performance, scalable hybrid storage solution.

Delivering 4.2x greater virtual machine performance, and 65 percent lower cost of ownership compared to four-year-old devices, greatly reducing strain on both your users and your budget. If even greater performance is required, Intel Optane Technology and Intel 3D NAND SSDs can be installed providing lower latency, higher throughput, QoS, and endurance.

In IT environments consisting of hyperconverged systems, virtualized systems, advanced analytics, or artificial intelligence, the 7212R-i20 NAS server delivers on performance and efficiency.

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 7212R-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	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 Up to 1.54TB Memory Intel® Optane™ Memory supported
I/O	Five USB and Two serial ports
Ethernet	2 x 10GbE LAN (100/1000/10000) standard, other options available
PCIe® Slots	Two - 3x PCIe® Gen3 x8 One - 1x PCIe® Gen3 x8 + 1x PCIe® Gen2 x4
Storage	12 x 3.5" or 2.5" hot-swap drive bays (front) Supports: 12 SSD, SATA, SAS drives -or- 10 SSD, SATA, SAS and 2 NVMe drives 2 x 2.5" rear mounted hot-swap drives (optional) 2 x 2.5" internal SSD drives (optional) 2 x Internal M.2 SSDs, PCIe® or SATA 22x80 (optional)
Maximum Storage	Up to 144TB, 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	Microsoft® Windows Server® 2012, 2016, 2019, Windows® 10 Pro/Enterprise, VMware® ESXi™ 6.0/6.5, Open-E® JovianDSS™ & DSS7, Red Hat® RHEL 5,6,7, SUSE® SLES 11,12, Ubuntu 14,15,16,17, CentOS™ 6,7, XenServer® 6.5-7.3, 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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