



The Nfina 7212R-i20, equipped with Intel® Xeon® Scalable Processors, is a high-value, high-density server ideal for demanding, compute-intensive applications.

#### 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 (UPI)
  - Provides increased scalability of the platform
  - Improves communication and throughput between multiple processors
- 2 x 10GbE (100/1000/10000) LAN ports
- Integrated iWARP RDMA Ethernet
- 24 DIMM slots, DDR4-2133/2400/2666MHz
  - Up to 1.54TB total memory
- Supports Intel® Optane™ Memory
- 12 x 3.5" hot-swap drive bays
  - Supports SAS, SATA, SSD, & NVMe
- Intel® VMD enables hot-swapping NVMe SSDs
- 2 x 2.5" hot swap rear drive bays optional
- 2 x 2.5" internal SSD drive support
- 2 x M.2 SSD connectors, PCIe or SATA (22x80)
- Up to 144TB Storage
- 12Gb/s SAS capable
- Redundant hot-swap power supplies
- LSI® hardware RAID & caching optional
- Intel® VROC for optional NVMe RAID
- Remote Management included

The Nfina 7212R-i20 with Intel Xeon Scalable processors is truly a breakthrough storage and compute platform. 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 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 on-site response options are available.

## Specifications

Form Factor	2U Rack-Mount, dual-socket, 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 1.7GHz to 3.8GHz processor speeds
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, Two serial ports
Ethernet	2 x 10GbE (100/1000/10000) LAN, other network options avail.
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 x SSD, SATA, SAS drives - <b>or</b> - 10 x SSD, SATA, SAS and 2 x 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
SW RAID	0,1,10, optional 5, Intel® VROC (Virtual RAID on CPU) for optional NVMe RAID
HW 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
Trusted Platform Module (TPM)	Trusted Platform Module optional
Remote Management (RMM)	Remote Management Module included
Software Certifications	VMware® ESXi™ 6.5/6.7 w/ VM Direct Path I/O, SR-IOV, Fault Tolerant
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)

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