

Nfina 7212R-i20



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
- 12 x 3.5" hot-swap drive bays
 - Supports SSD, HDD & NVMe drives
- Up to 192TB 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 7212R-i20, equipped with 2nd Generation Intel® Xeon® Scalable Processors, is a high-value, high-density server ideal for demanding, compute-intensive applications.

The Nfina 7212R-i20 with 2nd Generation 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 onsite response options are available.

SERVERS

DATA STORAGE

PCs & WORKSTATIONS



NFINA 7212R-i20

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 to 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 (mgmt port)
PCIe® Slots	7 x PCIe® Gen3 x8 1 x PCIe® Gen3 x4
Storage	12 x 3.5" or 2.5" hot-swap drive bays (front) Supports: 12 SSD or HDD drives -or- 10 SSD or HDD, and 2 NVMe drives 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 192TB, depending on drive type
Software RAID	0, 1, 10, optional 5
Hardware RAID	Hardware RAID (optional)
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
Software Certifications	VMware® ESXi 6.5-7.0 Certified
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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Rev. 090920

Address: 820 S. University Blvd. Suite 4E, Mobile, AL 36609

Telephone: 251.243.0043

Email: nfina_sales@nfinausa.com

Website: www.nfinausa.com