

# Nfina 5208R-i20



## FEATURES:

- 1U 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
- 8 x 2.5" hot-swap drive bays
  - Supports SAS, SATA, SSD, & NVMe
- Up to 88TB storage
- 12Gb/s SAS capable
- Redundant hot-swap power supplies
- 2 x 10GbE (100/1000/10000) LAN ports

The Nfina 5208R-i20 with Intel® Xeon® Scalable Processors is setting new benchmarks in server performance.

The 5208R-i20 offers exceptional performance and value in a 1U server platform. Intel® Xeon® Scalable Processors deliver superior performance per-core, and enhanced memory capability makes the 5208R-i20 a remarkably fast server. The 5208R-i20 configured with eight SSD or NVMe drives makes an ideal highperformance all-flash array for robust virtualized environments with demanding applications. This server is a perfect fit for data center and enterprise applications that require a HPC platform.

Nfina Technologies Servers can be an important component in maximizing data center efficiency. Our intelligent hardware designs create efficient solutions, thereby substantially lowering energy and IT costs.

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 5208R-i20

SPECIFICATIONS	
Form Factor	1U rack-mount, 1.72" 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, one VGA and two serial ports
Ethernet	2 x 10GbE LAN (100/1000/10000) standard, other options available
PCIe® Slots	Two - 1x PCIe® Gen3 x16
Storage	8 x 2.5" hot-swap drive bays Supports: 8 NVMe, SSD, SATA, and SAS drives 2 x internal M.2 SSDs, PCIe® or SATA 22x80
Maximum Storage	Up to 88TB, 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 @ 10A, 50/60 Hz 200-240V @ 6A, 50/60 Hz
Power Supply	Redundant hot-swap 1100W AC power supplies
Remote Management	Remote Management Module (RMM) included
Trusted Platform Module	Trusted Platform Module 2.0 (TPM) optional
Software Certifications	VMware® ESXi™ 6.0/6.5 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)
Warranty	5 years

© 2019 Nfina Technologies, Inc. All rights reserved. Intel®, XEON®, and Intel® Optane™ are registered trademarks of Intel Corporation. LSI® is a trademark of Avago Technologies. Other trademarks and trade names that may be used in this document are owned by their respective companies.

Nfina believes the information in this document is accurate as of its publication date. The information is subject to change without notice. The contents of this document are provided as-is, without any express or implied warranties of any kind.

Rev. 050319

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

**Telephone:** 251.243-0043

**Email:** [nfina\\_sales@nfinausa.com](mailto:nfina_sales@nfinausa.com)

**Website:** [www.nfinausa.com](http://www.nfinausa.com)