



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

### Features

- 1U rack-mount dual-socket server
- Ideal All-flash NVMe/SSD solution
- Choice of Intel® Xeon® Scalable Processors
  - Platinum, Gold, Silver and Bronze Available
  - 1.7GHz to 3.7GHz processor speeds available
  - Up to 22 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
- 8 x 2.5" hot-swap drive bays
  - Supports SAS, SATA, SSD, and NVMe
- Intel® VMD enables hot-swapping NVMe SSDs
- 2 x M.2 SSD connectors, PCIe or SATA (22X80)
- Up to 88TB storage available
- 12Gb/s SAS capable
- LSI® hardware RAID & caching optional
- Intel® VROC for optional NVMe RAID
- Redundant hot-swap power supplies

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 high-performance 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 Technologies delivers exceptional value, performance, and functionality with our server products. Optimized for virtualized computing requirements, our servers 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 servers ideal 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	1U rack-mount, dual-socket
Dimensions	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 22 cores each
Processor Speeds	1.7GHz to 3.7GHz
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 (100/1000/10000), other networking options available
PCIe®	2 x PCIe® x24 riser Super Slot
Drives	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
Input Voltage	100-127V @ 10A, 50/60 Hz 200-240V @ 6A, 50/60 Hz
Power Supply	Redundant hot-swap 1100W AC power supplies
SW RAID	0, 1, 10 optional 5, Intel® VROC (Virtual RAID on CPU) for optional NVMe RAID
HW RAID	LSI® hardware RAID (optional)
Remote Management (RMM)	Remote Management Module included
Trusted Platform Module (TPM)	Trusted Platform Module optional
Software Certifications	VMware® ESXi™ 6.0/6.5/6.7 certified w/ VM Direct Path I/O, SR-IOV, Fault Tolerant
OS Supported	Microsoft® Windows Server® 2012, 2016, 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, CentoOS™ 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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