



The Nfina 3204R-i20 equipped with Intel® Xeon® Scalable Processors is an energy-efficient 1U rack-mount dual-socket server optimized for density and performance.

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 (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
- 4 x 3.5" hot-swap drive bays,
 - Supports SAS, SATA, SSD
- 2 x M.2 SSD connectors, PCIe or SATA (22X80)
 - Up to 48TB storage
 - 12Gb/s SAS capable
- Redundant hot-swap power supplies
- LSI® hardware RAID optional
- Caching options available
- Remote Management included
- Trusted Platform Module optional

The 3204R-i20 offers exceptional performance and extraordinary value in a 1U server platform. Dual Sockets accommodate up to two Intel® Xeon® Scalable processors, and robust memory capability make the 3204R-i20 an extremely powerful and versatile server. It is ideal for demanding datacenter applications and highly virtualized computing environments.

At Nfina Technologies, we achieve maximum availability and performance with our server, NAS, SAN, and JBOD products.

Nfina Technologies 3000 Series Servers are 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.

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 28 cores each
Processor Speeds	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 (100/1000/10000), other networking options available
PCIe® Slots	Two - 1x PCIe® Gen3 x16
Drive Bays	4 x 3.5" or 2.5" hot-swap drives 2 x Internal M.2 SSDs, PCIe® or SATA 22x80
Maximum Storage	Up to 48TB, 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
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 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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