NFINA 8524R-SAN-S
CLUSTER IN A BOX

FEATURES:

– All-in-one, dual hot-pluggable controllers, 24 hot-swap drive bays, networking, and expansion options in a 2U form factor

– Choice of 5th Generation Intel® Xeon® Scalable Processors

- Single Socket (per controller)

- 2.1GHz to 4.0Ghz processor speeds available

- Up to 64 cores per processor

– 8 DIMM slots (per controller)

- Up to 2TB total memory (per controller)

– 24x 2.5" hot-swap dual port Gen 5 U.2 NVMe SSD bays

– 2x Redundant Titanium 2000W power supplies

– 2x LAN with 10GbE with Intel® X710 (per controller)

– 2x M.2 NVMe PCIe 3.0 x4 slots (per controller)

– 2x PCIe 5.0 x16 slots, 2x PCIe 5.0 x8 slots (per controller)

– 1x Dedicated IPMI 1GbE port (per controller)

The Nfina 8524-SAN-S is a full NVMe-powered solution that offers high performance and reliability. It features full redundancy and fault tolerance, making it an all-in-one, Cluster-in-a-Box solution that excels in low latency performance.

The Nfina 8524R-SAN-S is a self-contained, high availability system. It features redundancy and all the components necessary for a private cloud (compute, storage, networking, and management software), conveniently contained in a single 2U rack-mountable unit. The 8524R-SAN-S features dual controller boards, each equipped with advanced elements such as 5th Generation Intel® Xeon® Scalable CPUs, a maximum of 2TB DDR5-5600 RAM, and dual LAN 10GbE ethernet. The 5th Generation Intel Xeon Scalable Processors delivers superior performance per-core, and enhanced memory capability makes it remarkably fast. Configured with up to 24 hot-swap NVMe SSD bays, this high-performance solution offers superior speed and can be instantly provisioned, put into action, and incorporated into your IT environment. It is an excellent choice for small to medium-sized businesses.

All Nfina Technologies' servers are backed by a five-year limited warranty and include 24x7 tech support with remote diagnostics.

Nfina products come with no adware, spyware, bloatware, or trackware.

QUANTUM ENTROPY as a SERVICE
BACKUP & DISASTER RECOVERY
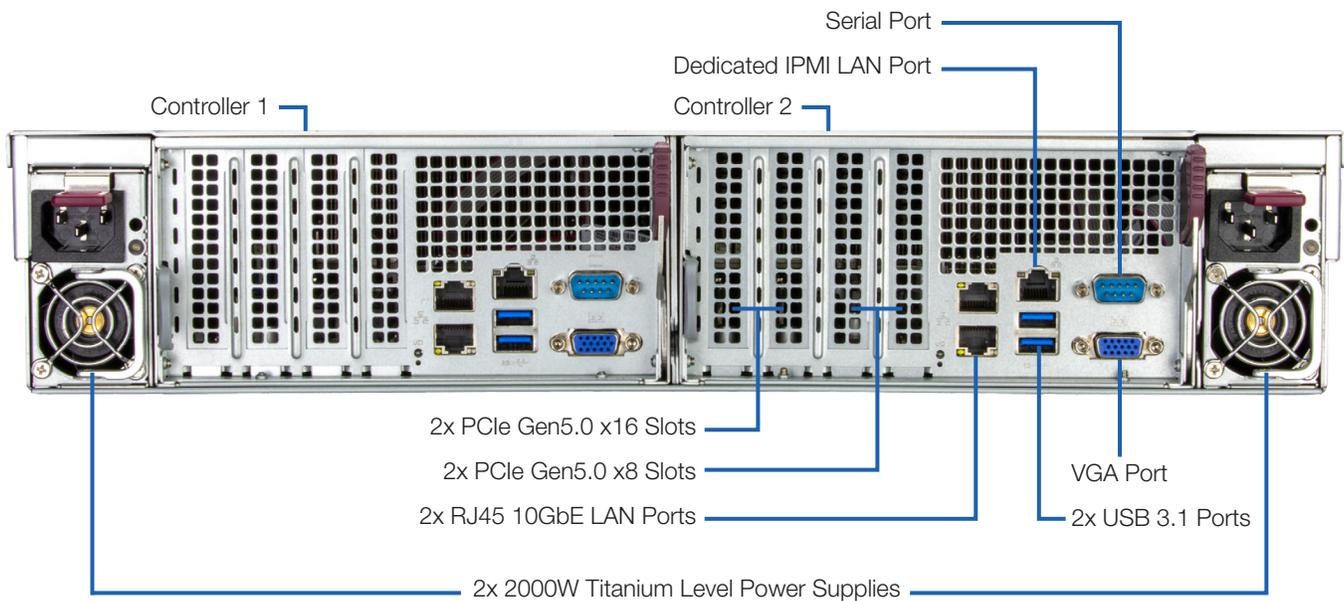**HYBRID CLOUD & HCI**
CLOUD HOSTING
SAN STORAGE
SERVERS

nfina

NFINA 8524R-SAN-S

SPECIFICATIONS	
Form Factor	2x hot-pluggable controllers in a 2U rack-mount, 3.47" x 17.7" x 30"
Operating Temperature	10°C to 35°C (50°F to 95°F)
Processor	5th Generation Intel® Xeon® Scalable Processor (per controller) Up to 64 cores, 350W max
Processor Speed	2.1GHz to 3.4GHz
Processor Cache	Up to 320MB
Socket	Single Socket-E LGA-4677 (per controller)
Memory	Up to 8 DIMMs, 5600MT/s ECC DDR5 RDIMM/LRDIMM (per controller) 2TB Max memory capacity (per controller)
Storage	24x front hot-swap 2.5" PCIe 5.0 NVMe drive bays 2x M.2 NVMe slots (M-key 2280/22110)
Input Voltage	100-240Vac / 50-60Hz
Power Supply	2x Redundant 2000W Titanium Level
Remote Management	IPMI
TPM	Version 2.0
OS Supported	Nfina-Store™
Regulatory Certifications	FCC (US), CE (Europe), CSA/UL NRTL certification (US, Canada), ICES (Canada), CB Certification (International) VCCI Certification (Japan), UKCA (Great Britain) RCM (Australia and New Zealand)
Warranty	5 years

NFINA 8524R-SAN-S

SPECIFICATIONS

I/O	2x USB 3.1 Gen1 ports (per controller)
	1x COM Serial port (per controller)
Display	1x VGA ports (per controller)
Ethernet	2x 10GbE LAN with Intel® X710 (per controller)
	1x 1GbE Dedicated IPMI (per controller)
PCIe® Slots	2x PCIe® Gen5 x16 (per controller)
	2x PCIe® Gen5 x8 (per controller)

Serial Port

Dedicated IPMI LAN Port

Controller 1

Controller 2

2x PCIe Gen5.0 x16 Slots

2x PCIe Gen5.0 x8 Slots

VGA Port

2x RJ45 10GbE LAN Ports

2x USB 3.1 Ports

2x 2000W Titanium Level Power Supplies

Rev. 0126

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