

Nfina 4208T Hyperconverged Solutions



The Nfina 4208T-E and 4208T-HA deliver better security, redundancy, and faster data response times.

Nfina's 4208T Hyperconverged solutions put information processing (Data Entry, Compute, Storage, Point of Sale) closer to your edge applications. With the Nfina 4208T-E (single tower Edge) and 4208T-HA (dual tower High Availability), you can improve security and compliance, achieve faster response times, create redundancy, reduce latency, lower cost, and complement your existing cloud computing infrastructure. Nfina's 4208T hyperconverged solutions are a great choice for small to mid-sized businesses that desire the footprint of a desktop unit.

FEATURES:

DATA ACCELERATION

- Acceleration of random writes with Write Log (ZIL)
- Hybrid Read Cache with first level in RAM and second Read Cache level on an SSD or NVMe
- Compression for improved performance

DATA ACCESSIBILITY

- iSCSI, Fibre Channel (FC), NFS, SMB (CIFS)

DATA AVAILABILITY

- High-Availability Dual-Controller Clustering
- Active-Active and Active-Passive HA Cluster
- Dual Storage (Stretched) Metro HA Cluster and Common Storage Cluster architectures

DATA PROTECTION

- On-site and Off-site Data Protection
- N-way mirrors, Single, Dual and Triple Parity RAID
- Copy-on-Write
- Snapshots support AES Encryption while in Transit
- Snapshots support SED Encryption while at Rest

DATA INTEGRITY

- Data and Metadata Check-summing
- Self-Healing: Detecting and correcting with scrub utility

DATA BACKUP & RESTORE

- Unlimited Snapshots and Clones
- Snapshot Rollback

DATA OPTIMIZATION

- Inline Compression (LZ4, LZJB, ZLE, GZIP 1-9)
- Inline Deduplication

USER AUTHENTICATION

- Local LDAP users and groups authentication for SMB /CIFS protocol
- External Active Domain Server

SYSTEM MONITORING

- SNMP
- Nagios, Checkmk
- GUI statistics
- REST API

HYBRID CLOUD SOLUTIONS
CYBER SECURE SERVERS
BACKUP & RAPID DR
DATA STORAGE

nfina
HYBRID ■ CLOUD SOLUTIONS

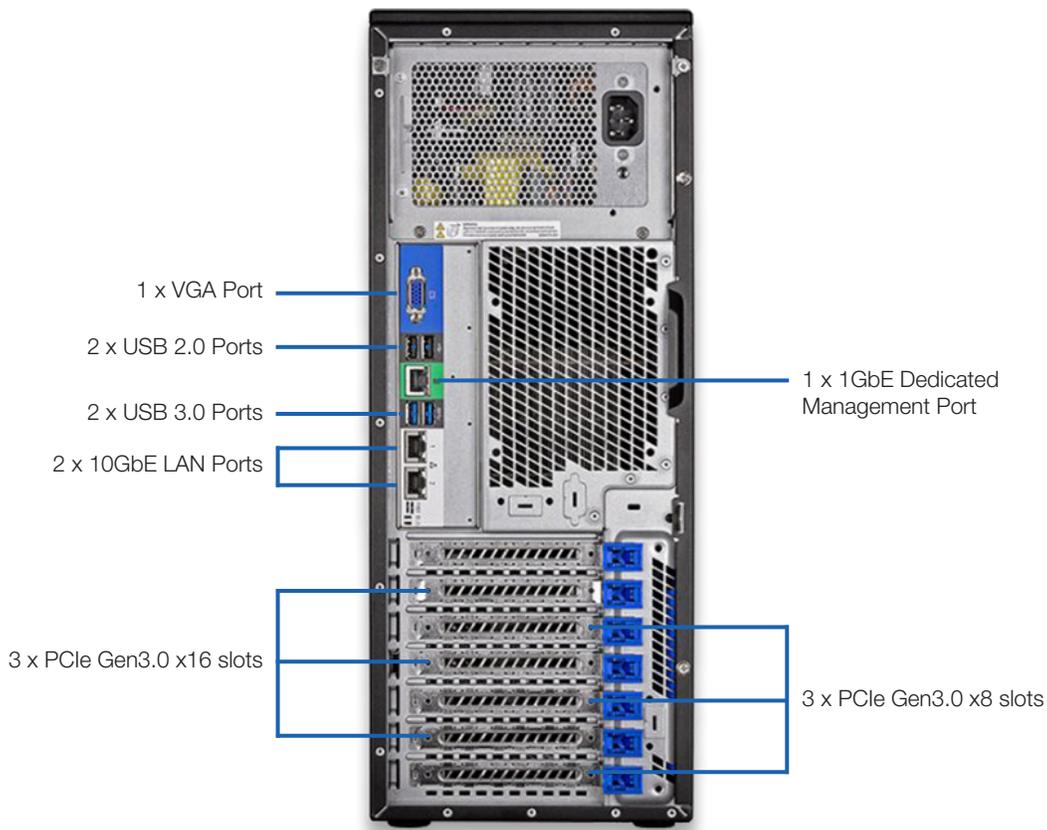
NFINA 4208T-E / NFINA 4208T-HA

SPECIFICATIONS (per tower)	
Form Factor	Desktop / Tower, 17.24" x 21.5" x 6.81"
Operating Temperature	10°C to 35°C (50°F to 95°F)
Processors	2nd Generation Intel® Xeon® Scalable processors, up to 28 cores each
Processor Speed	2.7GHz to 4.0GHz
Socket	Dual socket P
Memory	16 DIMM sockets, ECC DDR4 2666/2933 MHz 1TB Max memory capacity Intel® Optane™ Memory supported
External Drives	Multiple drive cage options: <ul style="list-style-type: none">– 4 x 2.5" NVMe and 4 x 2.5" SSD or HDD hot swap drives– 8 x 3.5" or 2.5" SSD or HDD hot swap drives– 16 x 2.5" SSD or HDD hot-swap drives
Internal Drives	2 x M.2 NVMe/SSDs (2280), SATA/PCIe
Maximum Storage	Up to 245TB, depending on drive type
Optical Drive	48x CD-RW / 24 x DVD +/-RW, included
Software RAID	0,1,10, optional 5
Hardware RAID	Hardware RAID optional
Input Voltage	100-127V @ 8.8A, 50/60 Hz 200-240V @ 4.4A, 50/60 Hz
Power Supplies	Dual redundant hot-swap 750W AC power supplies
Remote Management	IPMI 2.0, KVM over HTML5
TPM	Version 2.0, optional
OS Supported	Microsoft® Windows Server® 2019, 2022, Windows® 10 Pro/Enterprise, VMware® ESXi™ 6.0-7.0, Nfina-Store, Edge-Store™, Open-E® JovianDSS™ & DSS7, Red Hat® RHEL5,6,7x, 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)
Warranty	5 years

NFINA 4208T-E / NFINA 4208T-HA

SPECIFICATIONS (per tower)

I/O	4 x USB 3.0 ports (2 front, 2 rear) 2 x USB 2.0 ports (rear)
Display	1 x VGA port (rear)
Ethernet	2 x 10GbE LAN ports standard, other options available 1 x 1GbE (dedicated management port)
PCIe®	3 x PCIe Gen3.0 x16 slots 3 x PCIe Gen3.0 x8 slots



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 highdensity, 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.

Nfina Hyperconverged solutions come with no adware, spyware, bloatware, or trackware.

OTHER NFINA 4208T SOLUTIONS

SERVER

4208T

The 4208T Server delivers robust features and powerful performance in a desktop/tower form factor. Featuring dual 2nd Generation Intel® Xeon® Scalable processors, high PCIe lane availability, and SAS/SATA/NVMe flexibility the 4208T server provides cost-effective options for a customized tower server. The 4208T Server is a great choice for small to medium businesses, web hosting, and security applications that require a powerful computing platform in a compact package.

HYBRID CLOUD EDGE-TO-CLOUD SOLUTIONS

4208T-HC

The 4208T-HC is an eight-bay tower Hybrid Cloud solution optimized for mid-sized companies that require more VMs, storage capacity, and performance than entry-level models and desire the footprint of a desktop unit. Nfina's Hybrid Cloud solutions are the perfect alternative to the public hyperscale cloud, offering more benefits than the public cloud without the cost and complexity. Copies of your data are maintained on-site and at geo-redundant off-site locations. Nfina's Hybrid Cloud solutions makes storage, compute, backup, disaster recovery, managed services, and system monitoring easy by becoming your single point of contact for the entire process.

Nfina's Hybrid Cloud products include easy and reliable backup and disaster recovery management tools. **Nfina Edge-Store™** and **Nfina-Store™** are management software designed to create and manage data storage pools. Snapshots created according to your desired frequency provide fool-proof on and off-site backup and disaster recovery protection. For added security, snapshots are encrypted during transmission with at-rest encryption available as an option. **Nfina-View™** software uses a unified management control pane to monitor your edge and cloud data storage pools. In the event of an outage or failure, Nfina-View allows you to quickly failover and run from your backups in minutes, not hours or days. If a ransomware attack occurs, your system is rolled back and restored from snapshots taken before the event occurred. Nfina-View also allows you to test your backups and failover procedures, assuring your IT systems are protected if an actual disaster occurs.

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Rev. 0822



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