

Nfina 116RP Hyperconverged Solutions



The Nfina 116RP-E is a 1U rack-mount entry-level server ideal for small businesses that require up to 2 VMs for local and remote offices.

With the Nfina 116RP-E you can improve security and compliance, achieve faster response times, create redundancy, reduce latency, lower cost, and complement your existing cloud computing infrastructure. Featuring an Intel Xeon E-2200 processor, up to 6 cores, memory capacity up to 128GB, and several PCIe expansion slots, the 116RP can be easily configured from a basic server suitable for a small office to a full featured High Availability server. The 116RP is ideal for businesses on a budget migrating from individual desktops to a on-premise server or virtualized environment.

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

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HYBRID ■ CLOUD SOLUTIONS

NFINA 116RP-E

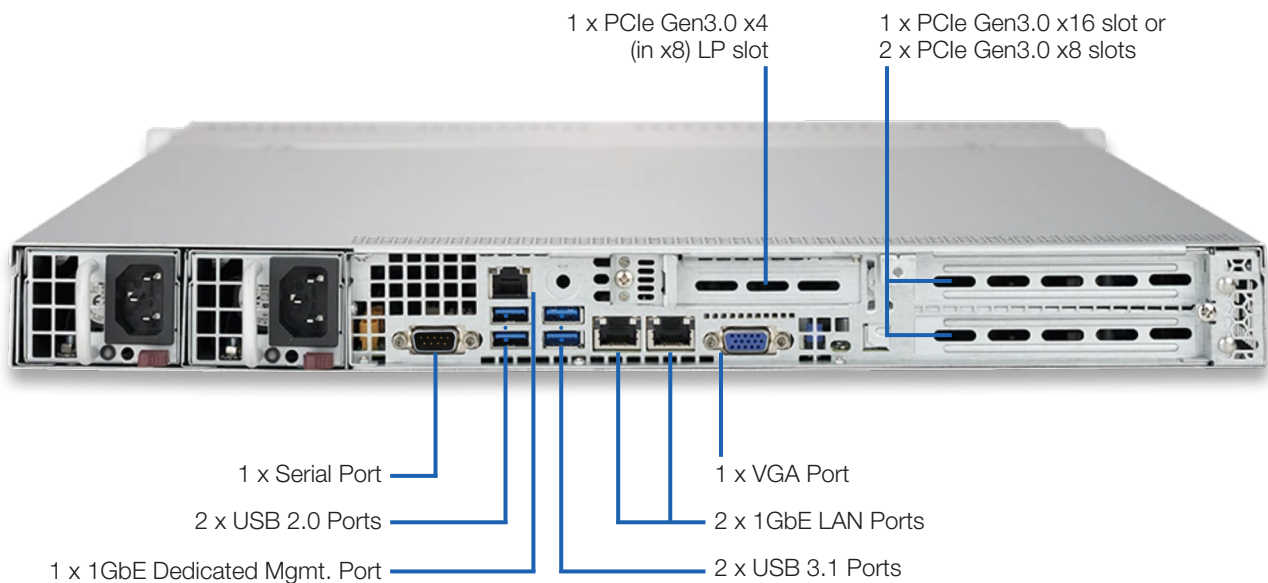
SPECIFICATIONS

Form Factor	1U rack-mount, 1.7" x 17.2" x 25.6"
Operating Temperature	10°C to 35°C (50°F to 95°F)
Processor	Intel® Xeon® Processor E-2200 Series, 6 cores, 12 threads
Processor Speed	Up to 3.4GHz to 4.8Hz
CPU Cache	12MB
Socket	Single Socket H4 (LGA 1151)
Memory	4 DIMM slots, DDR4 ECC 2666 MHz 128GB Max memory capacity
Storage	4 x 3.5" hot-swap drive bays, standard (Supports 2.5" drives w/ adapters) 2 x M.2s NVMe/SSDs (2260/2280/22110), (1) PCIe & (1)PCIe/SATA
Optical Drive	1 x Slim DVD, SATA drive (optional)
Maximum Storage	Supports up to 72TB and 2 x 1TB M.2 SSDs
Software RAID	0, 1, 10, 5 support
Hardware RAID / Caching	Hardware RAID optional, Caching options available
Input Voltage	100-240V @ 2.6-6.0A, 50/60 Hz
Power Supplies	Redundant hot-swap 500W power supplies
Remote Management	IPMI 2.0, KVM over HTML5
TPM	Version 2.0, optional
OS Supported	Microsoft® Windows Server® 2019, 2022, Windows® 10, VMware® ESXi™ 6.5, Nfina-Store, Edge-Store™, Open-E® JovianDSS™ & DSS7, Red Hat® RHEL 7.5, 8.1 SUSE® SLES 11-15, Ubuntu18x,-33x CentOS™ 7.4-8, more options available
Certifications	UL/CSA Listed (USA and Canada), FCC Class A (US), CE (Europe), RoHS (Europe), WEEE (Europe), KC Mark (Korea)
Warranty	5 years

NFINA 116RP-E

SPECIFICATIONS

I/O	2 x USB 3.1 ports (rear) 2 x USB 2.0 ports (rear) 1 x Serial port (rear)
Display	1 x VGA port (rear)
Ethernet	2 x 1GbE (10/100/1000) LAN ports, other options available 1 x 1GbE (management port)
PCIe® Slots	1 x PCIe Gen3.0 x16 - or - 2 x PCIe Gen3.0 x8 1 x PCIe Gen3.0 x4 (in x8)



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 NFINA 116RP SOLUTIONS

SERVER

116RP

Nfina's 116RP single-node server is a four-bay, rack-mount, entry-level model ideal for small businesses on a budget. The 116RP is excellent for businesses migrating from individual desktops to a on-premise server or virtualized environment.

HYBRID CLOUD EDGE-TO-CLOUD SOLUTION

116RP-HC

Nfina's 116RP-HC is a four-bay, rack-mount, entry-level model ideal for small businesses that require minimal VMs for local and remote offices. 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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Address: 820 S. University Blvd. Suite 4E, Mobile, AL 36609

Email: sales@nfina.com

Telephone: 251.243.0043

Website: www.nfina.com