

Nfina 5312R-HC Hybrid Cloud Solution



FEATURES:

- IaaS solution w/ransomware protection and recovery
 - Disaster Recovery as a Service (DRaaS) included, with off-site data backup and cloud restoration
 - Managed Services included
 - Remote Management and Professional Services included
 - Nfina-View™ Monitoring Software included, provides failover recovery in minutes
 - Nfina-Store™ Storage Mgmt. Software, included
 - VMware vSphere® Essentials included
 - Microsoft Windows Server Software optional
 - 2-way mirrored storage
 - Up to 12 VMs
 - 5-year warranty with 24x7 Tech Support
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- Dual-socket rack-mount server
 - 2x Intel® Xeon® Scalable Processors
 - Up to 192TB memory
 - Up to 6 x 2.5" hot-swap SSDs

The Nfina 5312R-HC allows you to store critical data on-site and at geo-redundant off-site locations ensuring your IT infrastructure is always available for recovery and downtime is kept to a minimum.

Nfina's 5312R-HC solutions are scalable, eight-bay, rack-mount models optimal for mid-sized companies that require more VMs, storage capacity, and performance than entry-level models. These systems are fully managed Infrastructure as a Service (IaaS) solutions designed to protect and ransomware proof your business. Copies of redundant system data are maintained on-site and off-site. In the event of an on-site node failure, the second node will automatically failover with zero downtime. We make data management easy by combining the entire process into a single solution; Infrastructure as a Service (IaaS), Disaster Recovery as a Service (DRaaS), Managed Services, and Nfina-View Monitoring Software.

Nfina's Hybrid Cloud products include easy and reliable backup and disaster recovery management tools. **Nfina-Store™** are management software tools 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. Like all Nfina products, all software includes a five-year warranty and support.

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



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

nfina
HYBRID ■ CLOUD SOLUTIONS

NFINA 5312R-HC

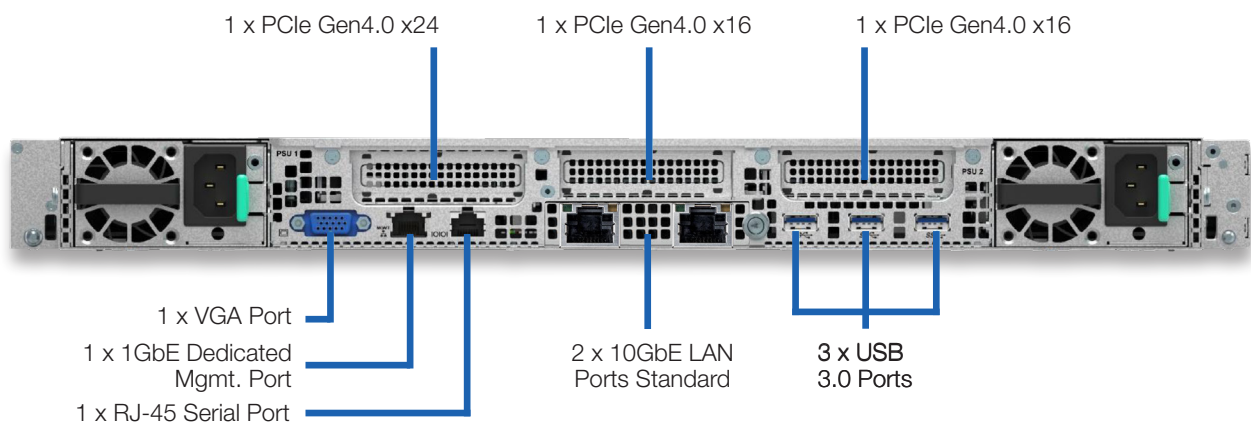
SPECIFICATIONS

Model	5312R-HC-4	5312R-HC-8	5312R-HC-12
Processors	2x Intel® Xeon® Silver 4309Y Scalable processors	2x Intel® Xeon® Silver 4314 Scalable processors	2x Intel® Xeon® Gold 5317 Scalable processors
Cores & Threads	8 cores, 16 threads (per)	16 cores, 32 threads (per)	12 cores, 24 threads (per)
Processor Speed	2.8GHz to 3.6GHz (per)	2.4GHz to 3.4GHz (per)	3.0GHz to 3.6GHz (per)
Intel® Smart Cache	12MB (per processor)	24MB (per processor)	18MB (per processor)
Socket	Dual socket P	Dual socket P	Dual socket P
Memory Included	96GB memory 12 x 8GB DDR4, 2933MHz	128GB memory 8 x 16GB DDR4, 2933MHz	192GB memory 12 x 16GB DDR4, 2933MHz
Storage Pool Drives	6x 960GB 2.5" hot-swap SSDs (Mirrored) 2x 100GB 2.5" Intel Optane™ NVMe SSDs (Write log)	6x 1.92TB 2.5" hot-swap SSDs (Mirrored) 2x 100GB 2.5" Intel Optane™ NVMe SSDs (Write log)	4x 3.84TB 2.5" hot-swap SSDs (Mirrored) 2x 100GB 2.5" Intel Optane™ NVMe SSDs (Write log)
Boot Drives	2x 500GB M.2 SSDs	2x 500GB M.2 SSDs	2x 500GB M.2 SSDs
Storage Capacity	2.36TB usable	4.72TB usable	6.29TB usable
Storage Controller	1x 9400-8i8e 12Gb/s SAS Host Bus Adapter		
Remote Management	IPMI 2.0, KVM over HTML5		
TPM	Version 2.0, optional		
OS/Virtual Platform	VMware vSphere® Essentials		
# of VMs	4	8	12
Software Included	Nfina-View™ Monitoring Nfina-Store™ VMware ESXi™	Nfina-View™ Monitoring Nfina-Store™ VMware ESXi™	Nfina-View™ Monitoring Nfina-Store™ VMware ESXi™
Optional Software	Microsoft® Windows Server® 2022, CALs extra	Microsoft® Windows Server® 2022, CALs extra	Microsoft® Windows Server® 2022 Datacenter, CALs extra
Managed Services and DRaaS Included	Nfina Cloud - Secure cloud based data backup and storage Nfina Restore - Data recovery from cloud storage		
Form Factor	5312R 1U rack-mount enclosure, 1.72" x 16.93" x 27.95"		
Operating Temp	10°C to 35°C (50°F to 95°F)		
Input Voltage	100-127V @ 10A, 50/60 Hz 200-240V @ 6A, 50/60 Hz		
Power Supplies	Dual redundant hot-swap 1600W AC		
Regulatory 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)		
Warranty	5-year, Hardware and Software		

NFINA 5312R-HC

SPECIFICATIONS

I/O ports	4 x USB 3.0 ports (1 front, 3 rear) and 1 x USB 2.0 port (front) 1 x RJ-45 Serial A port (rear)
Display ports	1 x VGA ports (rear) 128MB of DDR4 video memory Integrated 2D video controller
Ethernet ports	2 x 10GbE LAN (100/1000/10000) standard, other options available 1 x 1GbE (Dedicated management port) included
PCIe® slots	1 x PCIe® Gen4 x24 (up to 32GB/s) 2 x PCIe® Gen4 x16 (up to 32GB/s)



SPECIFICATIONS SUMMARY

Usable Storage	2.36TB	4.72TB	6.29TB
Intel® Xeon® Processors	2x Silver 4309Y	2x Silver 4314	2x Gold 5317
Memory Included	96GB	128GB	192GB
# of VMs	4	8	12

Model	5312R-HC-4W	5312R-HC-8W	5312R-HC-12WDC*
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Includes IaaS, DRaaS, Managed Services, Remote Monitoring, VMware Essentials, Nfina-Store and Nfina-View Software

Microsoft Windows Server 2022 Included

Model	5312R-HC-4	5312R-HC-8	5312R-HC-12
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OTHER NFINA 5312R SOLUTIONS

SERVER

5312R

The 5312R offers exceptional performance and value in a 1U server platform. The 5312R configured with twelve 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 small and mid-size business applications that require a HPC platform.

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