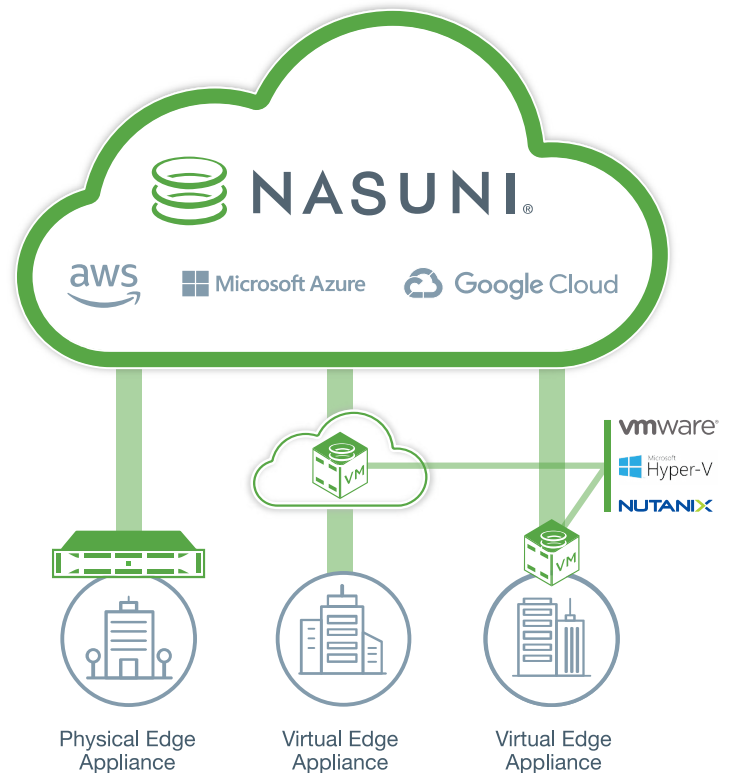# Nasuni Edge Appliance

Nasuni Edge Appliances may be deployed on virtual appliances on-premises, in the cloud, or as physical devices. They securely transmit all files instantly to the cloud using customer-owned encryption keys, while locally caching only the active files, to provide "NAS-like" file access. Regardless of which way you deploy your Edge Appliances, you'll get the same secure, high-performance access to your unstructured file data.

Edge Appliances are stateless: any number can be deployed to meet business requirements. Multiple appliances located anywhere in the world can mount the same volumes, providing universal access to Nasuni UniFS®, Nasuni's cloud-native global file system. Virtual and physical appliances can be mixed and matched within the same customer environments.

All Edge Appliances present file shares via standard NAS protocols (CIFS, NFS), and integrate with Active Directory and LDAP to leverage existing authentication and access policies.

Virtual Edge Appliances are proven to work with hyperconverged infrastructure solutions such as Nutanix, all-flash storage systems such as Pure Storage, and flash-optimized storage systems such as Nimble Storage.

Physical Edge Appliance   Virtual Edge Appliance   Virtual Edge Appliance

NASUNI®

Physical Edge Appliance Specifications – N1050, N2050, N4050 models (15G)

	N1050	N2050	N4050			
Model	N1050-3fex	N2050-3fex	N4050-7fex	N4050-13fex	N4050-27fex	N4050-27fe
List Price	Please contact a Nasuni representative or authorized business partner					
Raw Capacity	2.88 TB	2.88 TB	6.72 TB	13.44 TB	26.88 TB	26.88 TB
Disk Physical Capacity	4x960 GB 2.5" SED SSD	4x960 GB 2.5" SED SSD	8x960 GB 2.5" SED SSD	8x1.92 TB 2.5" SED SSD	8x3.84 TB 2.5" SED SSD	8x3.84 TB 2.5" SED SSD
COW Size	250 GB	250 GB	500 GB	1000 GB	1000 GB	1000 GB
Disk Encryption	AES-256	AES-256	AES-256	AES-256	AES-256	AES-256 / FIPS 140-2
Drive Configuration	RAID 5	RAID 5	RAID 5	RAID 5	RAID 5	RAID 5
Memory	64 GB	64 GB	128 GB	128 GB	128 GB	128 GB
Processors	Intel Xeon E-2334 3.4GHz, 4C/8T, 8M Cache, Turbo	Intel Xeon Silver 4310 2.1GHz, 12C/24T, 18M Cache, Turbo	2 x Intel Xeon Silver 4314 2.4GHz, 16C/32T, 24M Cache, Turbo	2 x Intel Xeon Silver 4314 2.4GHz, 16C/32T, 24M Cache, Turbo	2 x Intel Xeon Silver 4314 2.4GHz, 16C/32T, 24M Cache, Turbo	2 x Intel Xeon Silver 4314 2.4GHz, 16C/32T, 24M Cache, Turbo
Network	2x1GbE LOM + 2x10GbE SFP+ & 2x10GbE Base-T	2x1GbE LOM + 2x10/25GbE SFP+ & 2x10GbE Base-T				
Power Supplies	Dual, Hot-plug, Redundant Power Supplies (1+1), 600W	Dual, Hot-plug, Redundant Power Supplies (1+1), 800W, Mixed Mode				
Form Factor	1U	1U	1U	1U	1U	1U
Power Cords	Auto-ranging 100-240 VAC / C13 to C14, 12 AMP, PDU style, 6.5'	Auto-ranging 100-240 VAC / C13 to C14, 12 AMP, PDU style, 6.5'	Auto-ranging 100-240 VAC / C13 to C14, 12 AMP, PDU style, 6.5'	Auto-ranging 100-240 VAC / C13 to C14, 12 AMP, PDU style, 6.5'	Auto-ranging 100-240 VAC / C13 to C14, 12 AMP, PDU style, 6.5'	Auto-ranging 100-240 VAC / C13 to C14, 12 AMP, PDU style, 6.5'
Rack Support	Sliding Rails	Sliding Rails	Sliding Rails	Sliding Rails	Sliding Rails	Sliding Rails
Replaceable Components	SFP+ transceivers (if configured), Power supplies, Fans, SSDs, SD memory card					
Dell Model	R350	R450	R450	R450	R450	R450

f – flash storage (SSD)   *e – Self-Encrypted drives*   *x – vSAS drives*

NASUNI

Virtual Edge Appliance Specifications

	Virtual Edge Appliance
Processors	Customer Provisioned: Recommended minimum of 8 cores
Memory	Customer Provisioned: Recommended minimum of 16 GB per VM
Storage	Customer Provisioned: Recommended minimum 1 TB to 48 TB maximum cache disk. 32 GB OS disk and COW disk (at least 1/4 of the cache disk size or 250GB, whichever is smaller) reside on additional virtual drives
Network	Customer provisioned
Virtualization Platform	Hyper-V, VMware OVF, EC2, Azure, Google, Nutanix

Maintenance

	Maintenance (All Models)
Support	7 x 24 Sev 1 Support, 4-hour onsite appliance hardware support powered by the 4-hour Dell ProSupport
Software Updates	Automatic or customer managed software updates.

Features (Physical & Virtual Models)

	Features (All Models)
Operating System	Nasuni Edge Appliance OS
Data Encryption	256-bit AES, customer-controlled keys, data encrypted at rest (in cloud) and in flight
Management (Local and Global)	HTTPS, TLS, firewalled access, role-based administration, embedded management
User Authentication	Active Directory, multiple AD Domains with trust relationship, DC failover and LDAP
Alerting	Configurable email alerts, SNMP traps, full alerting and phone-home to Nasuni Orchestration Center (NOC)
Continuous Versioning	Unlimited file count and retention duration, full control of version retention
Bandwidth Control	Multiple (up to 12) inbound and outbound QoS policies based on day of week, time of day, bandwidth limit
WAN Acceleration	Data compression and multi-threaded send and receive to object storage
Data Sharing	Data synchronization between sites, all policies administrator configurable, Global File Locking
Other Features	Built-in data migration assistant, cache pinning, file filter alerts, VSS restore previous versions, antivirus, 15-minute disaster recovery, remote support, side load, GFA (Global File Acceleration), Ransomware Protection
Access Methods	SMB v1/2/3, NFSv3/4, HTTPS/Browser, SFTP/FTP

NASUNI.

ABOUT NASUNI CORPORATION

Nasuni is a leading file data services company that helps organizations create a secure, file data cloud for digital transformation, global growth, and information insight. The Nasuni File Data Platform is a cloud-native suite of services offering user productivity, business continuity, data intelligence, cloud choice, and simplified global infrastructure. The platform and its add-on services replace traditional file infrastructure, including Network-Attached Storage (NAS), back-up, and DR, with a cloud-scale solution. By consolidating file data in easily expandable cloud object storage from Azure, AWS, Google Cloud, and others, Nasuni becomes the cloud-native replacement for traditional NAS and file server infrastructure. For more information, visit www.nasuni.com.

NORTH AMERICA HEADQUARTERS | Boston, MA | +1 (857)444.8500   **UNITED KINGDOM** | London, England | +44 20 3695 7895