Supermicro Total Solution for Nexenta

Simple, Scalable, High-Availability Storage
Designed for Easy "Out-of-the Box" Deployments

Supermicro introduces Software-Defined Storage solution that is fully tested, validated, and easy to deploy and manage. This brings all the benefits of SDS, including flexibility, scalability, and a lower total cost of ownership. The Supermicro Unified Storage Solution powered by Nexenta, is a purpose-built, small form factor system that delivers enterprise grade, full featured unified file and block storage services.

The Supermicro Unified Storage solution comes in five high-availability configurations including all-flash (2U) and hybrid (4U). These configurations were specifically designed to support your high performance databases, business-critical virtualized environments, generic file servers and near-line archive use case needs.

Unified Storage with Block and File Interfaces

Deploying unified storage avoids creating isolated storage silos, enables greater efficiencies, and is easy to manage via the modern UI. The Supermicro Unified Storage solution supports Fibre Channel and iSCSI for block, and NFS and CIFS/SMB3 for file-based storage.

High-Availability and Data Management

All Supermicro Unified Storage solutions are High-Availability systems with hot swappable components and offer a full suite of enterprise-grade data management software.

Ready to Deploy Configurations

Turn-key system configurations offer predictable and reliable performance, capacity, and density optimized for your applications. Available in all-flash, hybrid, and all-disk configurations.

Backed by Comprehensive Supermicro Program

All systems are backed by multiple service and support options from standard to mission-critical enterprise support.

UNIFIED STORAGE AT-A-GLANCE

- **Unified Block and File**
- **All-Flash, Hybrid, and Disk**
- **High-Availability**
- **Hot Swap Components**
- **Optional 16G Fibre Channel**
- **Inline Data Reduction**
- **Thin Provisioning**
- **Snapshots & Replication**
- **Comprehensive Analytics**
- **VMware, OpenStack, & Docker Integration**

Typical Enterprise Deployment
(NFSv3 / NFSv4 / CIFS / SMB3/ iSCSI / 16G FC)
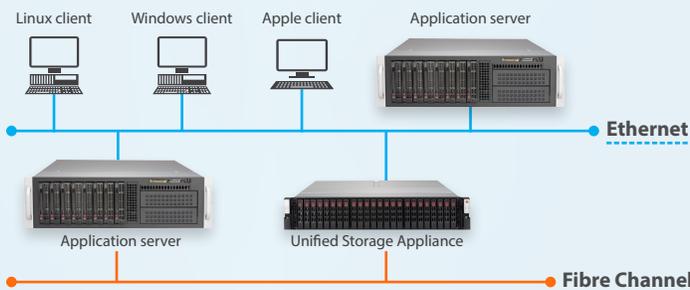
Easy GUI Administration
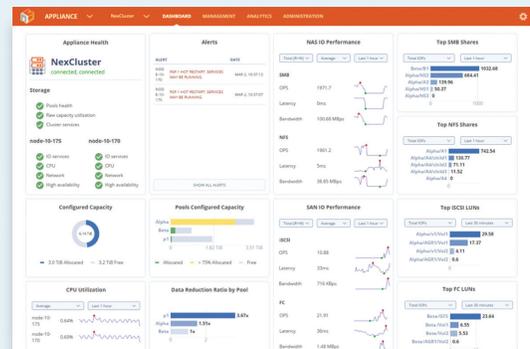
All Flash

Hybrid & Rotational Media
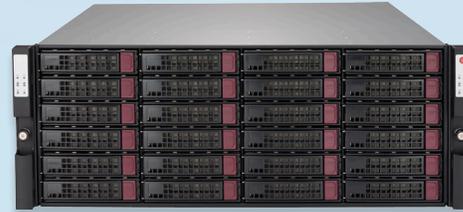
Models	SSG-2028R-NEX2010 SSG-2028R-NEX2020	SSG-2028R-NEX2030 SSG-2028R-NEX2040	SSG-6048R-NEX4010	SSG-6048R-NEX4020	SSG-6048R-NEX4030
Max 8KB IOPS (Mix R:W)	180,000	180,000	70,000	40,000	25,000
Max BW (100% Read)	8 GB/s	8 GB/s	2 GB/s	1.8 GB/s	1.4 GB/s
Storage Media	1.9TB SAS SSD	3.8TB SAS SSD	2TB SAS 7.2k RPM	4TB SAS 7.2k RPM	8TB SAS 7.2k RPM
Disk Configuration	RAIDZ2 : 4 + 2		RAIDZ : 1 + 1 3x Hot-spare HDD	RAIDZ2 : 4 + 2 3x Hot-spare HDD	RAIDZ2 : 8 + 3 2x Hot-spare HDD
Raw Capacity (TB)	23 to 92	46 to 276	42 to 218	84 to 420	176 to 880
Usable Capacity (TB)	15 to 61	30 to 184	20 to 106	48 to 272	128 to 640
Effective Capacity (TB)	45 to 183	90 to 552	30 to 159	72 to 408	154 to 768
Flash Cache	N/A	N/A	Yes	Yes	N/A
Form Factor	2U		4U		
Expansion Chassis	Up to 2x 2U/24 bay - all flash JBODs supported (72 bays total)		Up to 2x 4U/44-bay JBODs supported (112 bays total)		
Protocol Support	File: NFSv3 / NFSv4 / CIFS / SMB3 / iSCSI / Fibre Channel				
Ecosystem Support	Windows, Linux, VMware VAAI, VMware VVOL, VMware Multi-Tenant vCenter Plugin, OpenStack Cinder & Manila, Hyper-V SMB 3 ODX, Docker Volume Plug-In				
Data Services	Unlimited File System Size, Unlimited Snapshots & Clones, Inline Data Reduction, Storage Quality of Service, Scheduled Snapshot Based Replication, Continuous Asynchronous, Replication				
Management	Command Line Interface / Self-Documenting REST API / SNMP/ NexentaFusion: Single pane of glass multi-appliance management, Advanced Analytics, Simple Operations				

Includes Next Business Day Onsite - All service provided 9am to 5pm*

Duration	3 Year - OSNBD3
Point of Contact	24 Hours x7 days
Web Portal Access	YES
Help Desk / Technical Support via Phone	YES
Case Management Access to Supermicro service management team	YES
Escalation management Access to Supermicro Service management team	YES
Onsite Engineer	Next Business Day
Remote / Online Diagnostic & Support	No, Uplift Available
Nexenta Remote / System Installation & configuration	Included