sayTEC
SOLUTIONS

Solving Solutions.

True Hardware RAID

sayNAS NS05V1

Disk Storage System - optimized for the ARTEC

EMA®Enterprise Managed Archive®

Certified by

ARTEC®
IT Solutions

sayNAS NSV1 Series

- **6 GB/s SAS, SATA and SSD Hard Disk Drives for different storage requirements.**

- **Flexible Connectivity – iSCSI over Ethernet and Fibre Channel option.**

- **Integrated Multiple-Snapshot-Function provides incremental Backups.**

- **Support for Windows, Linux/Unix and Mac OS X environments.**

- **Seamless Integration as iSCSI-SAN for VMware ESX, Citrix XEN and Microsoft Hyper-V virtualized environments.**

- **Administration and Hardware-RAID-Management by intuitive Web GUI.**

Cost-effective and flexible

sayNAS NSV1 Series provides small and medium-sized enterprises disk storage systems that are designed for fast growing and dynamic IT-infrastructure. sayNAS NSV1 Series supports SATA, SAS and SSD drive types that can be operated even in mixed configurations.

Data availability by redundancy

sayNAS systems gurantee the highest reliability through redundant components. All models support a continuous review of the RAID consistency in the background, to ensure data integrity and thus to guarantee a smooth operation.

Versatile connectivity

The Enterprise version of sayNAS Control software provides companies a choice of iSCSI over Ethernet (up to 1OGbit/s) or Fibre Channel over Ethernet (FCoE) (max. 8Gb/s). All sayNAS models have two 1Gbit/s Ethernet ports that can be expanded as required up to six 1 Gbit/s Ethernet ports.

Scaleable-On-Demand

sayNAS CEM (Capacity Extension Module) are available for all sayNAS NSV1 models. The sayNAS Professional Series scales up to 96 drives and allows maximum flexibility for future data growth.

Easy management and safe Data-Replication

The built-in Enterprise Edition Data Replication allows distributed enterprises to implement a cost-effective data protection strategy: Data is continuously replicated as needed while technical consistency is ensured even across multiple sites.

High utility value at a low total cost

The low price combined with the low total cost of the NSV1 Series is especially suited for the SMB (Small and Medium Business) sector. The broad support of network/product standards allows to protect existing IT investments while also expanding their added value through future-proof models of the sayNAS Series.

sayNAS Systems are certified by   **ARTEC®**
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Model	NSO5V1 incl. sayNAS Software Limited Edition
Chassis	ES34069, Standalone
Slots	4 x 3,5"
Capacity (physical)	max. 12 TB
Capacity (logical)	max. 9,12 TB
Drives supported	3Gb/s and 6Gb/s SATA drives 5400-7200 rpm 3Gb/s and 6Gb/s SAS drives 10.000-15.000 rpm 3Gb/s SATA SSD
RAID-Level	1, 5, 10, JBOD
Processor	Intel Atom D525 with 1,8 GHz 1MB Cache 2 cores and 4 threads
Network Controller	2 x 1 Gbit/S Intel Ethernet Ports; supports iSCSI, Failover, Jumbo Frames and Load Balancing
RAM / System Hard Disk	2 GByte 800MHz DDR3 RAM / OCZ Solid State Disk 40GB
Power Supply	1 x 180W 85Plus
Data Replication	Datacompression, ACL Support
Snapshot	Optional with upgrade to Enterprise Edition
Network Protocols	Microsoft Networks SMB (1.0) / CIFS (NTLM);NFS v2, v3, v4 (UDP/TCP); HTTP; Apple AFP 3.1; FTP (via TLS
Software-Compatibility	VMware ESX, Citrix XEN, Microsoft Hyper-V over iSCSI
RAID-Controller	LSI Logic SAS 9260-4i Online Capacity Expansion, Patrol Read (media scanning and repairing), Consistency check, I/O Load Balancing, Online RAID Level Migration, Configuration on Disk
Management	Web-Setting, CLI (Command Line Interface)
Dimension / Power Requirement	
Dimensions (mm)	260 x 140 x 260
Weight (net)	6,5 kg
Power Requirement	100-240V , single phase / 47-63 Hz
Environmental Conditions	
Temperatur	10 - 40 ºC
Humidity	20 - 80 % (non condensing)
Height	3.000 m absolute altitude

Advice: for iSCSI-functionality upgrade of sayNAS Software from Limited to Enterprise Editionist is required.

Following additional features are available with Enterprise Edition:

- FC and NFS connection incl. Snapshot-Replication
- Multiple Snapshots
- Time Control
- SCSI Multipath
- CHAP Authentification
- P restrictions
- WAN/VPN support

Detailed Informationen about sayNAS Software can be found in the particular Data Sheet.

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