

NASdeluxe iSCSI/NAS

The NASdeluxe iSCSI/NAS System-offers NAS, iSCSI and FC (target and initiator) functionality with enhanced management and superior reliability to organizations of all sizes.

Driven by a powerful *areca*® SAS RAID controller with Intel IOP348-1200MHz CPU, high Data Transfer Rates are possible with 15k SAS and/or 7.2k SATA HDDs.



powered by:
open-e

DSS V6

10 Gbit/s iSCSI



iSCSI/NAS System NDL-3016R/L with 16x HDD bays

The NASdeluxe iSCSI/NAS is a very flexible and OS independent Storage-System. There is no additional cost to connect to the NASdeluxe via iSCSI - just use the iSCSI initiator delivered with the client's OS or use an iSCSI HBA to boot from it. If the NASdeluxe works as NAS, no additional driver is needed.

Components with best quality, redundant PSUs and High-Availability with RAID Level 6 are standard.

open-e Operating System:

Open-E Data Storage Server adds new backup capabilities, simplified setup and storage management, extensibility, and is especially tuned to provide optimal data throughput and data protection for centralized storage. Open-E DSS increases iSCSI target efficiency by supporting multiple iSCSI initiators on different volumes, without sacrificing NAS performance.

Independent tests have shown that the Open-E storage software is offering one of the best data throughput and performances. This makes Open-E DSS especially suitable for network environments with many clients or storage applications for multi-video streaming, HDTV and others, needing a high data throughput and I/O. The integrated performance features of the Open-E DSS provide tuning tools like: Multipath I/O (MPIO), teaming of multiple NICs, Jumbo Frames settings, parameter settings of drivers, support for up to 32 CPUs, support for FC-HBA's, 10GbE Cards, InfiniBand, Intel I/O AT and TCP/IP Offload Engines.



iSCSI/NAS System NDL-3224R/L mit 24 Einschüben

- Expandable with JBODs via SAS-Expansion-Port
- Snapshot functionality
- Hardware-based RAID Level 5 and 6 for data protection
- iSCSI-Failover for High-Availability

Highlights:

- Out of the box iSCSI/NAS Server solution with *open-e* DSS V6 software
- supports Virtualisation
- Supported Network Clients and Network File Protocol: SMB/CIFS, FTP, Secure FTP, HTTP, Apple Talk, NFS v2, v3
- supports Jumbo Frames
- integrated Antivirus software tool
- Snapshot functionality
- supports Automatic Failover
- integrated Volume Replication
- *areca* SAS RAID-Controller
- up to 24x SAS/SATA HDDs internal
- integrated Expansion-Port for JBODs and additional 48 HDDs
- "Hot Swap" HDDs
- Slim DVD drive inclusive
- redundant Power Supply Units, hot-swap
- 3Gbit/s SAS technology for max. Data Transfer Rates
- SAS/SATA HDDs intermix is possible
- Webbrowser based Graphical User Interface (GUI) with SSL for max. security (multilingual)
- supports Windows Active Directory, External LDAP, NIS, Quota
- different management levels (fully access, service, administration)
- Administration everytime from everywhere via IPMI card

www.NASdeluxe.com



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Technical Data



Model	NDL-3008T/L	NDL-3208R/L	NDL-3008R/L	NDL-3224R/L	NDL-3016R/L	NDL-3024R/L
HDDs (max.), hot-swappable	8x 3.5 FF	8x 2.5 SFF	8x 3.5 FF	24x 2.5 SFF	16x 3.5 FF	24x 3.5 FF
Dimensions: (WxHxD)/mm	178x437x648	437x43x597	437x89x648	437x89x630	437x132x648	437x178x660
Enclosure	Tower	1U	2U	2U	3U	4U
Rails	-	inclusive	inclusive	inclusive	inclusive	inclusive
PSUs, redundant	2x 720W	2x 650W	2x 700W	2x 900W	2x 800W	2x 900W
Weight (without HDDs)	18kg	9,5kg	18kg	21kg	24kg	25,5kg
DVD-ROM	inclusive	inclusive	inclusive	-	inclusive	inclusive
CPU	1x Intel Xeon Quad Core CPU, 2.4GHz (optional 2x CPU)					
Mainboard	Supermicro					
RAM Memory	12GB ECC Reg. (optional up to 192GB)					
Fibre Channel HBAs	optional					
LAN	4x Gigabit Ethernet (optional additional 1/10Gigabit NICs)					
Management	Remote-Management via IPMI-Module Web-Browser based, Graphical User Interface (GUI) with SSL for maximum security					
Supported OS	OS independent					
RAID Controller <i>areca</i> [®]	ARC-1680ix-08			ARC-1680LP		
Controller CPU	Intel IOP348-1200					
Controller Cache Memory	512MB					
Controller BBU	optional					
RAID Level	0, 1, 1E, 3, 5, 6, 10, 30, 50, 60					
Disk Interface	SAS (3GBit/s)/SATA II (3GBit/s)					
Expansion	SAS Expansion-Port for JBODs					
Warranty	3 years					
Service	optional					

Operating systems

<i>open-e</i> OS	DSS V6
Functionality	Snapshots, Worm, Data Replication, Clustering, Automatic Failover, Volume Replication
Hardware-Monitoring	Management via Ethernet
Antivirus Software	integrated tool, upgradeable

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