



NEC STORAGE D3-10



The Easy Mid-Range SAN Storage Solution

- Up to 144 HDDs for Maximised Storage Capacity and ROI
- Up to 108TB of Total Storage Capacity
- Up to 12 High Performance 4Gb/s FC Ports for High Throughput
- Double Parity RAID6 for Double HDD Failure Security
- Unique RAID TM for High Performance and Secured RAID 1
- Support for SAS & SATA HDDs in the same Subsystem
- MAID Technology for Reduced Power Consumption
- Point in Time Snapshots with DynamicSnapVolume
- IntraStorage Replication with DynamicDataReplication
- InterStorage Replication with RemoteDataReplication
- Integrated Storage Management & Administration

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IT SERVICES AND SOFTWARE

MOBILE/BROADBAND NETWORKING

COMPUTERS

SEMICONDUCTORS

IMAGING AND DISPLAYS

Empowered by Innovation

NEC

NEC STORAGE D3-10

THE EASY MID-RANGE SAN STORAGE SOLUTION

Please consult our web site
www.nec-computers.com

GENERAL SPECIFICATION

4Gbps Fibre Channel Storage System

Max. Storage Capacity SAS : 43TB
SATA : 108TB
N° of HotSwap HDDs 3 to 144 HDDs
Base System with Support for up to 11 DEUs

NEC Storage D3-10 Base System

Host Interface 4 Gbit/s Fibre Channel
Storage Controllers 2x Standard
N° of Host Ports 2 per Controller (Standard)
Up to 6 per Controller (Optional)
Cache Memory 2GB per Controller
Cache Configurability Write
Cache Battery Backup Yes - 24 hours Standard
Up to 72 hours (Optional 1U)

Supported RAID Levels

SAS HDDs : Single Parity : 0, 1, 10, 5, 50
Double Parity : 6
SATA HDDs : Double Parity : 6
N° of HDDs Up to 12
Interface to Disks 3Gb/s SAS channel with
SAS and SATA protocol
Host Management TCP/IP & FC (SES)

NEC Storage D3-10 Disk Expansion Unit

N° of HDDs Up to 12
Interface to Disks 3Gb/s SAS channel with
SAS and SATA protocol

HDD SPECIFICATION

15Krpm SAS HDDs 73GB/ 147GB/ 300GB
7200rpm SATA HDDs 500GB/ 750GB

PHYSICAL SPECIFICATION

NEC Storage D3-10 Base System

Form Factor 2U Rack Storage Unit
EIA Standard Height 2 - EIA
Fan Redundancy Yes
Cabinet Dimensions 86,5x480x540 mm
(HxWxD)
Maximum Weight 31Kg
Operating Constraints 5-40°C, 10-80% RH

NEC Storage D3-10 Disk Expansion Unit

Form Factor 2U Rack Storage Unit
EIA Standard Height 2 - EIA
Fan Redundancy Yes
Cabinet Dimensions 86,5x480x540 mm
(HxWxD)
Maximum Weight 29Kg
Operating Constraints 5-40°C, 10-80% RH

POWER SPECIFICATION

NEC Storage D3-10 Base System

Redundant + HS PSU Yes -Standard
Max. Power Consumption SAS : 640VA / 620W
SATA : 570VA / 550W
Power Source AC100 - 240V, 50/60Hz
N° of AC Lines 2

NEC Storage D3-10 Disk Expansion Unit

Redundant + HS PSU Yes -Standard
Max. Power Consumption SAS : 450VA / 430W
SATA : 380VA / 370W
Power Source AC100 - 240V, 50/60Hz
N° of AC Lines 2

STORAGE SOFTWARE

Embedded Software Management NEC Storage Manager

Optional Management Software

Snapshots DynamicSnapVolume
Intra-Replication DynamicDataReplication
Inter-Replication RemoteDataReplication
Path Failover PathManager
Performance Management PerformanceMonitor

OPERATING SYSTEM SUPPORT

Windows Server 2003 (SP1 & SP2) & Windows Server 2003 R2
(32 & 64 bit versions)
Red Hat Enterprise Linux AS3 / AS4
VMWare ESX 3.0.1 (for both SAS & SATA)
* For additional OS Support, including :
HP-UX 11, Solaris 9, Solaris 8, AIX
please contact NEC

STANDARD WARRANTY

Standard Warranty 3 years on-site NBD

NEC ULTRACARE SERVICES

Warranty Extensions 4 hour Response 8x5
4 hour Response 24x7
6 hour 8x5 RTC

REGULATORY & SAFETY

Certification CE / FCC Compliant



High Scalability

- Up to 144 HDDs
- Up to 108TB of Total Storage Capacity
- Support for both SAS & SATA HDDs



High Availability

- Up to 12 High Performance 4Gb/s FC Ports
- Double Parity RAID 6
- Unique RAID TM for Triple Mirror RAID 1



High Manageability

- MAID Technology for Power Reduction
- Point in Time Snapshots
- IntraStorage Replication

