

NEC



**High
Performance**



**Advanced
Reliability**



True Scalability



NEC STORAGE S1500

- ⇒ Full 4Gb/s Fibre Channel Host Connectivity
- ⇒ 4 Port High Throughput
- ⇒ Double Parity RAID 6
- ⇒ Over 17TB of Storage Capacity
- ⇒ Support for SATA Disks
- ⇒ Point in Time Snapshots with DynamicSnapVolume
- ⇒ IntraStorage Replication with DynamicDataReplication
- ⇒ Integrated Storage Management & Administration

The Modular
PERFORMANCE
Storage Solution

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NEC STORAGE S1500

The Modular Performance Storage Solution

GENERAL SPECIFICATION

4Gbps Fibre Channel Storage System
 Max. Storage Capacity 17.8TB
 N° of HotSwap HDDs 3 to 60 HDDs
 Base System with Support for up to 3 FC or SATA DEUs

NEC Storage S1500 Base System

Host Interface FC-AL or Fabric
 Storage Controllers 1x Standard; Up to 2
 N° of Host Ports 2 per Controller
 Cache Memory Min 1GB (per Controller)
 Up to 2GB (per Controller)
 Cache Battery Backup Yes - 24 hours Standard
 Up to 72 hours (Optional)
 Supported RAID Levels Single Parity : 0, 1, 10, 5,
 50
 Double Parity : 6
 N° of HDDs 3 to 15
 Interface to Disks FC DEU : 2Gbps FC-AL
 Ethernet Management Yes - Standard

NEC Storage S1500 FC & SATA DEUs

N° of HDDs Up to 15
 Interface to Disks FC DEU : 2Gbps FC-AL
 SATA DEU : 1.5Gbps SATA

HDD SPECIFICATION

10Krpm FC HDDs 73GB/ 146GB/ 300GB
 15Krpm FC HDDs 36GB/ 73GB/ 146GB
 7200rpm SATA HDDs 400GB/ 500GB

PHYSICAL SPECIFICATION

NEC Storage S1500 Base System

Form Factor 3U Rackable Storage Unit
 EIA Standard Height 3 - EIA
 Fan Redundancy Yes
 Cabinet Dimensions 131x482x596 mm
 (HxWxD)
 Maximum Weight 45Kg
 Operating Constraints 5-40°C, 10-80% RH

NEC Storage S1500 FC & SATA DEUs

Form Factor 3U Rackable Storage Unit
 EIA Standard Height 3 - EIA
 Fan Redundancy Yes
 Cabinet Dimensions 131x482x596 mm
 (HxWxD)
 Maximum Weight 45Kg
 Operating Constraints 5-40°C, 10-80% RH

POWER SPECIFICATION

NEC Storage S1500 Base System

Redundant + HS PSU 2x 700W
 Power Consumption 680VA / 660W
 Power Source AC100 - 240V, 50/60Hz
 N° of AC Lines 2

NEC Storage S1500 FC & SATA DEUs

Redundant + HS PSU 2x 600W
 Power Consumption 520VA / 515W
 Power Source AC100 - 240V, 50/60Hz
 N° of AC Lines 2

STORAGE SOFTWARE

Embedded Software

Management NEC Storage Manager
 LUN Masking AccessControl for 4HBAs

Optional Management Software

LUN Masking AccessControl over 4HBAs
 Snapshots DynamicSnapVolume
 Intra-Replication DynamicDataReplication
 Path Failover PathManager
 Performance PerformanceMonitor

OPERATING SYSTEM SUPPORT

Windows Server 2003 (32/64-bit)
 Windows 2000 Server (SP3 and Later)
 Red Hat Enterprise Linux AS 2.1, 3, 4; AS 3, 4
 (EM64T)
 Red Hat Enterprise Linux ES 2.1 / ES 3 / ES 4
 VMWare ESX

* 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 Performance

- Full 4Gb/s FC Host Connectivity
- Up to 2GB of DDR Cache Per Controller
- High Speed 2GB/s Controller Interconnect



Advanced Reliability

- Double Parity RAID-6 for 2x HDD Failures
- Full Redundancy of all Main System Components
- NEC "Phoenix Technology" for Advanced Error Recovery



True Scalability

- Over 17TB of Total Storage Capacity
- DEU Support with FC and SATA HDDs
- 2 or 4 Host Port Storage Configuration

