### NEC Storage HS3

#### Product
- NEC Storage HS3 Single-Node Model

#### General Information
- **Model:** NEC Storage HS3
- **Number of Nodes:** 1
- **Raw Capacity:** 8 TB (up to 24 TB)
- **Effective Capacity:** 104 TB (up to 312 TB)
- **Maximum Performance:** 32.4 TB/h (Copper:RJ-45)
- **Network Standard:**
  - 10GBASE-SR (Optical:LC)
  - 10GBASE-T (Copper:RJ-45)
- **Network Interface Port:**
  - 1000BASE-T
- **Capacity by Parity/Units:**
  - ECC (8+4)
  - ECC (8+1)
- **Environment:**
  - Temperature: 10 to 40°C (while operating), -10 to 55°C (on standby)
  - Humidity: 20 to 80% RH (while operating), 20 to 80% RH (on standby)
- **Power Supply:**
  - AC 100-240V, 50/60Hz
  - **Power Consumption:**
    - Maximum: 476 W
    - Standby: 7 W
- **Dimensions (W x D x H):**
  - 448 x 684 x 87 mm
- **Weight:**
  - 32 kg

#### Technical Specifications

<table>
<thead>
<tr>
<th>Disk Drive Specifications</th>
<th>Capacity/Rotation/Units</th>
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<tr>
<td>3.5 inch SATA (6Gbps)</td>
<td>2 TB/7,200 rpm/12</td>
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#### Supported Protocols
- NetBackup, BackupExec, NetVault, System Recovery, ARCserve Backup, NetWorker, Data Protector software, NetVault Backup, Total Storage Manager, Continuous Spanning, Data Recovery Manager, Acronis Backup & Recovery

#### Supported Software
- Windows Server, StorEdge, NEC Information Assessment System

#### Environmental Compliance
- Eco Symbol: The Eco Symbol is a label placed on products that meet NEC’s prescribed environmental soundness standards.
- RoHS Compliance: This product complies with the European Union’s directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS).

#### Safety Notice
- Before using this product, please read carefully and comply with the cautions and warnings in manuals such as the Installation Guide and Safety Precautions. Incorrect use may cause a fire, electrical shock, or injury.

#### Specifications and Design
- Specifications and designs in this catalog are subject to change for improvement without notice.
- As of January 2016

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**Contact Information**

For further information please contact your local NEC representative or:

- Corporate Headquarters (Japan) NEC Corporation
  - [www.nec.com](http://www.nec.com)
- North America (USA, Canada) NEC Corporation of America
  - [www.necam.com](http://www.necam.com)
- EMEA (Europe, Middle East, Africa) NEC Enterprise Solutions
  - [www.nec-enterprise.com](http://www.nec-enterprise.com)
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NEC Storage HS3 provides efficient storage of large amounts of data using a proprietary deduplication feature. The NEC Storage HS3 solves these problems.

- Too many tapes to store.
- Compact backup and storage of data on disks.
- It is difficult to manage multiple generations of backup files.
- Centrally manage different generations of data.
- Too much time required for backups and restorations.
- Reduced time required for backups and restorations.
- Too costly to transport tapes for disaster recovery.
- Reduce costs by transferring data over a low-bandwidth line.

NEC Storage HS3 solves these problems.

- Improved performance and reliability with the use of disk-based backup.

The volume of data to be backed up and archived is increasing exponentially day by day. Storage capacity and efficiency needs to evolve with this growing demand. The NEC Storage HS3 ensures that these ever growing demands are met. Completely different from tape backup solutions, the NEC Storage HS3 provides efficient storage of large amounts of data using a proprietary deduplication feature.

Economical, efficient, and reliable. NEC Storage HS3 will revolutionize all your backup and archival work.

### Consolidated Backup

The NEC Storage HS3 provides safe and secure backups from multiple sites and consolidates them all into one location. As the data will be deduplicated prior to setup, bandwidth demands are also reduced, cutting down the cost of expensive bandwidth. The NEC Storage HS3 can even be used effectively on a low cost WAN connection. Reduced costs but also operational costs and space requirements are reduced when compared to tape-based backup solutions. Therefore, the total cost for backups can be reduced comprehensively.

### Reduced File Server Backup Time

NEC Storage HS3 eliminates the need for regular full backups. By performing only daily incremental backups, a full backup is automatically synthesized by combining these incremental backups and the full backup taken upon installation of the NEC Storage HS3. This reduces the load on the business servers and network, as well as significantly reducing the backup time.

### Reliably Withstand 3 Simultaneous Drive Failures

The NEC Storage HS3 provides robust fault tolerance to prevent data loss even if three disks fail concurrently. The NEC Storage HS3’s automatic repair function can restore the redundancy performing a full rebuild in as little as one hour, resulting in higher reliability than RAID6. Even unfamiliar users can smoothly install and set up the NEC Storage HS3 simply by entering the required information at each step of the configuration utility.

### Protection of Sensitive Data

NEC Storage HS3 is equipped with various advanced security functions:

- An encryption function available for both stored data and data to be transferred, a tamper-proof function to protect the stored data from malicious code and erroneous operations, and a complete physical data erasure function ensuring that it is impossible to restore data.

### Improved performance and reliability with the use of disk-based backup.

- NEC Storage HS3

### Drastic Reduction of Backup Costs

Using NEC’s proprietary technology, backup data is compressed on an average ratio of 20:1 of its original size and efficiently stored in the NEC storage HS3, achieving lower per-unit capacity costs than that of tapes. Not only per-capacity costs but also operational costs and space requirements are reduced when compared to tape-based backup solutions. Therefore, the total cost for backups can be reduced comprehensively.

### Easy Installation for Beginners

NEC Storage HS3 is a self-contained backup storage device consisting of a single node. The capacity can be expanded flexibly as needed.

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