

# HUAWEI N2000 NAS System

A highly reliable, multipurpose, and converged enterprise NAS solution



The HUAWEI N2000 NAS system (N2000 for short) is a reliable, high-capacity, and easy-to-deploy rack storage platform that comes with the latest Windows® Storage Server 2012 OS preinstalled and provides up to 48 TB of local data storage. The N2000 enables SMEs to rapidly deploy a cost-effective, flexible, and converged NAS solution that delivers advanced data sharing, storage, and management functions.



## Features

### High Performance and Reliability

- Uses the latest Intel® Xeon® E5-2400 series CPU, provides 6 DIMM slots, and supports up to twelve 3.5-inch SATA disks and two 2.5-inch SAS disks.
- Delivers RAID 5 pre-configured for hard disks, incorporates hot-swappable system disks at the rear, and isolates system disks from data disks, greatly improving data security and operational reliability.
- Comes with basic configurations already completed, passes comprehensive system compatibility and reliability tests, and delivers optimized software and hardware performance.

### Comprehensive Service Functions

- Supports various protocols, such as NFS, CIFS, FTP, HTTP, and iSCSI; provides data storage, sharing, and protection; supports file and block access and distributed deployment schemes.
- Provides an average deduplication ratio of 20:1, reducing used storage space by 95%.
- Supports DFS and network file BranchCache, which reduces network bandwidth consumption, accelerates file access, and improves content replication efficiency while reducing content transfer bandwidth.
- Supports Hyper-V, enabling multiple OSs to simultaneously run on a physical server and improving system utilization.

### High Energy Efficiency

- Supports disk hibernation and wakeup to reduce unnecessary power consumption.
- Provides soft disk startup, controls the disk startup current, and intelligently adjusts fan rotation speeds to reduce overall power consumption.
- Uses highly efficient PSUs and supports both AC and DC power supplies to minimize power conversion losses.

### Ease of Use and Simplified Management

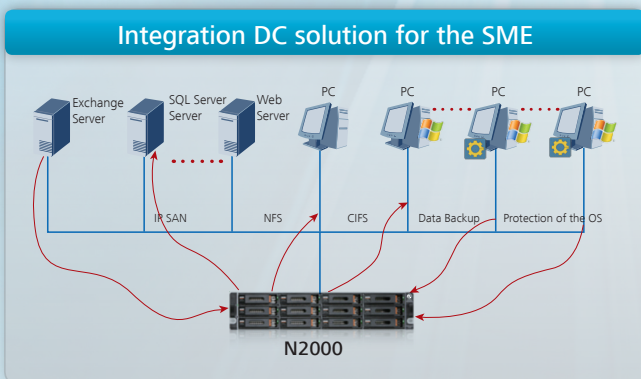
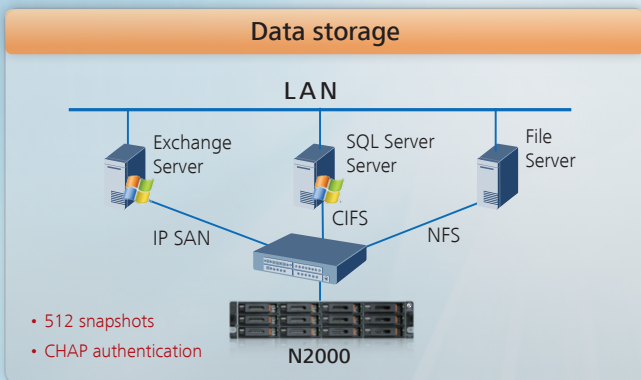
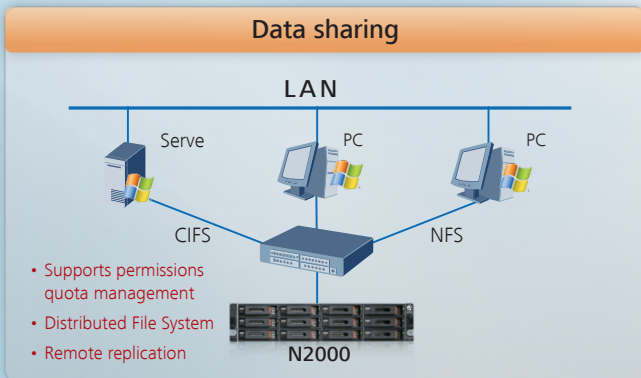
- Comes with Windows® Storage Server 2012 preinstalled, enabling customers to rapidly deploy applications after installing and powering on hardware and completing a few simple service configurations.
- Supports IPMI 2.0, SOL, KVM Over LAN, Virtual Media Over LAN, and out-of-band management.
- Integrates design and delivery to reduce procurement costs.
- Unifies maintenance and provides a one-click fault information collection tool to improve service efficiency and reduce maintenance costs.

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## Typical Applications



## Specifications

OS	Windows® Storage Server 2012 Standard Edition
File access protocol	CIFS, NFS, FTP, and HTTP
Data type	Files and block data
Features	BranchCache, Deduplication, DFS, Virtualization (Hyper-V)
Appearance	2 U rack server
CPU	One Intel® Xeon® E5-2403 quad-core CPU
Memory	8 GB DDR3
Maximum number of disk slots	Twelve 3.5-inch data disks and two 2.5-inch system disks
Maximum capacity	8 TB
Data disk	2 TB /3 TB/4 TB SATA and 300 GB SAS
Expansion slot	One PCIe x8 slot and one PCIe x4 slot
RAID level (Options available during factory installation)	RAID 1 and RAID 5
RAID level (Options available during custom configuration)	RAID 1, 5, 6, 10, 50, and 60
Network port	4 x GE
Other ports	One 100 Mbit/s management port, one VGA port, four USB 2.0 ports, and one RS-232 port
Availability	<ul style="list-style-type: none"> <li>• Hot-swappable hard disks</li> <li>• Hot-swappable active and standby PSUs</li> </ul>
System management	<ul style="list-style-type: none"> <li>• ISM</li> <li>• IPMI 2.0</li> <li>• KVM over LAN and Virtual Media over LAN</li> </ul>
Certification	CB, CE, UL, FCC, CCC, ROHS, and GOST

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