## Technical Specifications

<table>
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<th>Seagate® NAS 2-bay</th>
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<td><strong>Networking</strong></td>
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<td>Dual Gigabit Network interface</td>
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<td>Jumbo frame</td>
<td>Failover and link aggregation</td>
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<tr>
<td></td>
<td>DHCP and static IP</td>
<td>Jumbo frame</td>
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<td></td>
<td>IPv4/IPv6</td>
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<td>Dynamic DNS</td>
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<td>Jumbo frame</td>
<td>Dynamic DNS</td>
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<td><strong>iSCSI Block Storage</strong></td>
<td>iSCSI target</td>
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<td>CHAP authentication</td>
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<td>10 LUN/10 targets</td>
<td>32 LUN/32 targets</td>
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<tr>
<td><strong>External Ports</strong></td>
<td>2 x USB 3.0 Ports</td>
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<tr>
<td></td>
<td>1 x 10/100/1000 Base-TX</td>
<td>2 x 10/100/1000 Base-TX</td>
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<td><strong>HDD Support</strong></td>
<td>2 x SATA II channels</td>
<td>4 x SATA II channels</td>
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<td>Hot swappable HDD trays</td>
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<td>Support of 2.5- and 3.5-inch HDD</td>
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<td></td>
<td>Diskless: Supported HDDs, see Hard Drive Compatibility List</td>
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<tr>
<td></td>
<td>Preconfigured model built with Seagate 3.5-inch NAS HDD drives</td>
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<tr>
<td><strong>Raid and Data Management</strong></td>
<td>SimplyRAID™ (default)</td>
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<tr>
<td></td>
<td>- Auto RAID migration, volume expansion, and HDD mix and match</td>
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<tr>
<td></td>
<td>Standard RAID</td>
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<tr>
<td></td>
<td>- JBOD</td>
<td>- JBOD</td>
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<td></td>
<td>- RAID 0, 1</td>
<td>- RAID 0, 1</td>
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<td></td>
<td>Volume encryption</td>
<td>Volume encryption</td>
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<td></td>
<td>- RAID 5, RAID 5 w/ hot spare (for 3 and more HDD configurations)</td>
<td>- RAID 6 (for 3 and more HDD configurations)</td>
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<tr>
<td></td>
<td>Rescue mode for volume recovery</td>
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<td></td>
<td>Network recycle bin</td>
<td>Network recycle bin</td>
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<tr>
<td><strong>Power</strong></td>
<td>External PSU, 12V/48W, 100 – 240V AC, 50/60 Hz</td>
<td>External PSU, 19V/90W, 100 – 240V AC, 50/60 Hz</td>
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<td></td>
<td>Scheduled power on/off</td>
<td>Scheduled power on/off</td>
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<td></td>
<td>Power-saving mode w/disk spin-down</td>
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<tr>
<td></td>
<td>Wake-on-LAN (WOL)</td>
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<td></td>
<td>Auto power-on after power outage</td>
<td>Auto power-on after power outage</td>
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<td></td>
<td>UPS support for graceful shutdown (USB and network via SNMP)</td>
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<td></td>
<td>Power Consumption (w/2 x 2TB HDD):</td>
<td>Power Consumption (w/4 x 2TB HDD):</td>
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<tr>
<td></td>
<td>- Operation mode: 16W</td>
<td>- Operation mode: 32W</td>
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<tr>
<td></td>
<td>- Power-saving mode: 7W</td>
<td>- Power-saving mode: 13W</td>
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<tr>
<td></td>
<td>- WOL mode: 0.55W</td>
<td>- WOL mode: 0.95W</td>
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<tr>
<td><strong>Physical</strong></td>
<td>Dimensions (mm/in): 170/6.69 H x 120/4.72 W x 218/8.58 D</td>
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<tr>
<td></td>
<td>Weight, without HDD (kg/lb): 1.75/3.86</td>
<td>Weight, without HDD (kg/lb): 2.45/5.40</td>
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<td></td>
<td>Temperature, Operating (°C): 0 to 40</td>
<td>Temperature, Operating (°C): 0 to 40</td>
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<tr>
<td></td>
<td>Temperature, Nonoperating (°C): –40 to 65</td>
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<td></td>
<td>Relative Humidity, Operating/Nonoperating (non-condensing, %): 0 to 80/0 to 95</td>
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</table>
Seagate NAS OS 4 (embedded Linux)

**Network File Protocols and Services**
- CIFS/SMB
- NFS v3
- AFP
- HTTP(S)
- FTP/sFTP
- SSH
- SNMP
- SMTP
- NTP
- UPnP
-Bonjour
-WebDAV
-DFS-N

**Printers**

**File System**
- Internal: EXT4
- External: EXT2, EXT3, EXT4, NTFS, FAT32, HFS+

**Hardware**
- ARM 1.2GHz processor
- 512MB DDRIII
- Small desktop form factor chassis
- Power on/off button
- System reset button (pinhole)
- One-touch backup
- Kensington security slot
- LED for power and disk activity

**Security**
- HTTPS access to management UI
- Windows Active Directory support
- User authentication and access control
- User, user group
- Secure Shell (SSH)
- AES 256-bit volume encryption
- CHAP authentication for iSCSI target
- Mutual CHAP

**System Management**
- Web-based GUI through http/https
- System resource monitoring (CPU, memory, network)
- Hard drive monitoring (chassis, board, fan status)
- S.M.A.R.T. info
- Event log and management
- Product discovery with Seagate NW Assistant
- NAS OS installer for diskless setup
- Rescue mode and restore to factory settings
- Automatic and manual firmware update
- System configuration backup/restore
- Alert management and email notification

**Supported Browsers (latest versions)**
- Internet Explorer
- Firefox
- Safari
- Google Chrome

**Software Languages**
- English, Spanish, German, French, Italian, Dutch, Chinese Traditional, Chinese Simplified, Korean, Portuguese, Russian, Czech

**Media Streaming**
- UPnP A/V media server
- DLNA compatible
- iTunes™ (DAAP) server
- MTP and PTP support
- Photo browser and audio streaming through web interface

**Backup Solution**
- Support of third-party backup software
- Time Machine™ backup
- Manual or scheduled backup job to backup NAS to/from external USB drive
- NAS-to-NAS backup w/encryption, compression options (incremental or full backup)
- NAS to/from Rsync Server, local or remote
- Backup and restore via CIFS/NFS/HTTP/FTP
- Backup to Amazon S3
- Backup to Box.com
- Backup and restore system configuration

**Remote Access**
- Remote access with PC, Mac, smartphone and tablet (iOS, Android)
- Sdrive™ cloud-based secure remote access (no port forwarding needed)
- MyNAS web-based remote access
- HTTP/FTP remote access with customer configuration

**App Manager and Apps**
- Open API for third-party applications

**App Manager**
- Available app packages for customized installation
- Pre-installed apps
- Web-based GUI for install/delete/run/suspend apps

**Surveillance Manager (NVR)**
- Support up to 1000+ network cameras
- Local and remote LiveView
- Search and timeline-based playback
- Camera and event management
- Support up to 4 camera licenses
- License management (include 1 free camera license)
- Mobile app and surveillance client

**Warranty**
- 3-year limited warranty

**Inside the Box**
- Seagate NAS 2-bay or 4-bay
- Seagate NAS HDD drives (except diskless models)
- Quick start guide
- Ethernet cable
- Power cord

**Supported Clients**
- Windows® XP , Vista®, 7, 8
- Mac OS 10.6 and later
- Linux/Unix