

# NAS



## Technical Specifications



|                                 | Seagate® NAS 2-bay                                                             | Seagate NAS 4-bay                                                              |
|---------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <b>Networking</b>               | Single Gigabit Network interface                                               | Dual Gigabit Network interface                                                 |
|                                 | Jumbo frame                                                                    | Failover and link aggregation                                                  |
|                                 | DHCP and static IP                                                             | Jumbo frame                                                                    |
|                                 | IPv4/IPv6                                                                      | DHCP and static IP                                                             |
|                                 | Dynamic DNS                                                                    | Dynamic DNS                                                                    |
| <b>iSCSI Block Storage</b>      | iSCSI target                                                                   | iSCSI target                                                                   |
|                                 | CHAP authentication                                                            | CHAP authentication                                                            |
|                                 | 10 LUN/10 targets                                                              | 32 LUN/32 targets                                                              |
| <b>External Ports</b>           | 2 x USB 3.0 Ports                                                              | 2 x USB 3.0 Ports                                                              |
|                                 | 1 x 10/100/1000 Base-TX                                                        | 2 x 10/100/1000 Base-TX                                                        |
| <b>HDD Support</b>              | 2 x SATA II channels                                                           | 4 x SATA II channels                                                           |
|                                 | Hot swappable HDD trays                                                        | Hot swappable HDD trays                                                        |
|                                 | Support of 2.5- and 3.5-inch HDD                                               | Support of 2.5- and 3.5-inch HDD                                               |
|                                 | Diskless: Supported HDDs, see Hard Drive Compatibility List                    | Diskless: Supported HDDs, see Hard Drive Compatibility List                    |
|                                 | Preconfigured model built with Seagate 3.5-inch NAS HDD drives                 | Preconfigured model built with Seagate 3.5-inch NAS HDD drives                 |
| <b>Raid and Data Management</b> | SimplyRAID™ (default)                                                          | SimplyRAID (default)                                                           |
|                                 | - Auto RAID migration, volume expansion, and HDD mix and match                 | - Auto RAID migration, volume expansion, and HDD mix and match                 |
|                                 | Standard RAID                                                                  | Standard RAID                                                                  |
|                                 | - JBOD                                                                         | - JBOD                                                                         |
|                                 | - RAID 0, 1                                                                    | - RAID 0, 1                                                                    |
|                                 | Volume encryption                                                              | - RAID 5, RAID 5 w/hot spare (for 3 and more HDD configurations)               |
|                                 | Rescue mode for volume recovery                                                | - RAID 6 (for 3 and more HDD configurations)                                   |
|                                 | Network recycle bin                                                            | - RAID 10                                                                      |
|                                 |                                                                                | Volume encryption                                                              |
|                                 |                                                                                | Rescue mode for volume recovery                                                |
| <b>Power</b>                    | External PSU, 12V/48W, 100 ~ 240V AC, 50/60 Hz                                 | External PSU, 19V/ 90W, 100 ~ 240V AC, 50/60Hz                                 |
|                                 | Scheduled power on/off                                                         | Scheduled power on/off                                                         |
|                                 | Power-saving mode w/disk spin-down                                             | Power-saving mode w/disk spin-down                                             |
|                                 | Wake-on-LAN (WOL)                                                              | Wake-on-LAN (WOL)                                                              |
|                                 | Auto power-on after power outage                                               | Auto power-on after power outage                                               |
|                                 | UPS support for graceful shutdown (USB and network via SNMP)                   | UPS support for graceful shutdown (USB and network via SNMP)                   |
|                                 | Power Consumption (w/2 x 2TB HDD):                                             | Power Consumption (w/4 x 2TB HDD):                                             |
|                                 | - Operation mode: 16W                                                          | - Operation mode: 32W                                                          |
|                                 | - Power-saving mode: 7W                                                        | - Power-saving mode: 13W                                                       |
|                                 | - WOL mode: 0.55W                                                              | - WOL mode: 0.95W                                                              |
| <b>Physical</b>                 | Dimensions (mm/in): 170/6.69 H x 120/4.72 W x 218/8.58 D                       | Dimensions (mm/in): 170/6.69 H x 174/6.85 W x 218/8.58 D                       |
|                                 | Weight, without HDD (kg/lb): 1.750/3.86                                        | Weight, without HDD (kg/lb): 2.450/5.40                                        |
|                                 | Temperature, Operating (°C): 0 to 40                                           | Temperature, Operating (°C): 0 to 40                                           |
|                                 | Temperature, Nonoperating (°C): -40 to 65                                      | Temperature, Nonoperating (°C): -40 to 65                                      |
|                                 | Relative Humidity, Operating/Nonoperating (non-condensing, %): 0 to 80/0 to 95 | Relative Humidity, Operating/Nonoperating (non-condensing, %): 0 to 80/0 to 95 |

# NAS



| Operating System                              | Security                                          | Supported Browsers (latest versions)                                                                                          | Remote Access                                                        |
|-----------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Seagate NAS OS 4 (embedded Linux)             | HTTPS access to management UI                     | Internet Explorer                                                                                                             | Remote access with PC, Mac, smartphone and tablet (iOS, Android)     |
| Network File Protocols and Services           | Windows Active Directory support                  | Firefox                                                                                                                       | Sdrive™ cloud-based secure remote access (no port forwarding needed) |
| CIFS/SMB                                      | Password authentication and access control        | Safari                                                                                                                        | MyNAS web-based remote access                                        |
| NFS v3                                        | User, user group                                  | Google Chrome                                                                                                                 | HTTP/FTP remote access with customer configuration                   |
| AFP                                           | Secure Shell (SSH)                                | Software Languages                                                                                                            | App Manager and Apps                                                 |
| HTTP(S)                                       | AES 256-bit volume encryption                     | English, Spanish, German, French, Italian, Dutch, Chinese Traditional, Chinese Simplified, Korean, Portuguese, Russian, Czech | Open API for third-party applications                                |
| FTP/sFTP                                      | CHAP authentication for iSCSI target              | Media Streaming                                                                                                               | App Manager                                                          |
| SSH                                           | Mutual CHAP                                       | UPnP A/V media server                                                                                                         | - Available app packages for customized installation                 |
| SNMP                                          | System Management                                 | DLNA compatible                                                                                                               | - Pre-installed apps                                                 |
| SMTP                                          | Web-based GUI through http/https                  | iTunes™ (DAAP) server                                                                                                         | - Web-based GUI for install/delete/run/suspend apps                  |
| NTP                                           | System resource monitoring (CPU, memory, network) | MTP and PTP support                                                                                                           | Surveillance Manager (NVR)                                           |
| UPnP                                          | Hardware monitoring (chassis, board, fan status)  | Photo browser and audio streaming through web interface                                                                       | Support up to 1000+ network cameras                                  |
| Bonjour                                       | S.M.A.R.T. info                                   | Backup Solution                                                                                                               | Local and remote LiveView                                            |
| WebDAV                                        | Event log and management                          | Support of third-party backup software                                                                                        | Search and timeline-based playback                                   |
| DFS-N                                         | Product discovery with Seagate Network Assistant  | Time Machine™ backup                                                                                                          | Camera and event management                                          |
| Printers                                      | NAS OS installer for diskless setup               | Manual or scheduled backup job to backup NAS to/from external USB drive                                                       | Support up to 4 camera licenses                                      |
| File System                                   | Rescue mode and restore to factory settings       | NAS-to-NAS backup w/encryption, compression options (incremental or full backup)                                              | License management (include 1 free camera license)                   |
| Internal: EXT4                                | Automatic and manual firmware update              | NAS to/from Rsync Server, local or remote                                                                                     | Mobile app and surveillance client                                   |
| External: EXT2, EXT3, EXT4, NTFS, FAT32, HFS+ | System configuration backup/restore               | Backup and restore via CIFS/NFS/HTTP/FTP                                                                                      | Warranty                                                             |
| Hardware                                      | Alert management and email notification           | Backup to Amazon S3                                                                                                           | 3-year limited warranty                                              |
| Dual-core 1.2GHz processor                    | Supported Clients                                 | Backup to Box.com                                                                                                             | Inside the Box                                                       |
| 512MB DDRIII                                  | Windows® XP, Vista®, 7, 8                         | Backup and restore system configuration                                                                                       | Seagate NAS 2-bay or 4-bay                                           |
| Small desktop form factor chassis             | Windows Server 2003/2008R2/2012                   |                                                                                                                               | Seagate NAS HDD drives (except diskless models)                      |
| Power on/off button                           | Mac OS 10.6 and later                             |                                                                                                                               | Quick start guide                                                    |
| System reset button (pinhole)                 | Linux/Unix                                        |                                                                                                                               | Ethernet cable                                                       |
| One-touch backup                              |                                                   |                                                                                                                               | Power cord                                                           |
| Kensington security slot                      |                                                   |                                                                                                                               |                                                                      |
| LED for power and disk activity               |                                                   |                                                                                                                               |                                                                      |

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