

4-Bay SATA NAS w/ Gigabit LAN

Product Overview

The LevelOne GNS-4000 is a 4-bay Intelligent Storage Server perfect for home and office use that requires a simple, flexible and advanced storage solution for easy sharing of files, pictures, music and videos.

It features advanced RAID technology, One-Touch smart backup, email notification and a Web-based storage manager interface for easy setup and management.

The two USB ports allow for connecting additional USB devices such as USB drives and printers for network sharing. The high-speed Gigabit LAN port allows for gigabit network speeds when transferring data, music, video and other files over the LAN.

Versatile Backup Functions

The GNS-4000 provides 4 bays for SATA hard disk drives with hot swap functionality for a total storage capacity (depending on the storage size of each disk used). The use of SATA drives improves fault isolation and provides scalable performance.

The GNS-4000 Storage Server features advanced multiple disk-array RAID technology for reliable data storage. It supports RAID 0, 1, 5 with spare disk and RAID 10 configurations.

The One-Touch smart utility backup feature is a powerful utility for quick storage of specified files and folders from computers and devices connected to the GNS-4000.

Advanced Storage Management Utility

The GNS-4000 also provides users with an advanced Storage Manager utility to manage the storage server from a connected computer or remotely over the Internet. This is a useful feature for users who would like to access the GNS-4000 over the Internet to store, retrieve, save or manage files located on the storage server.

Gigabit LAN Interface

The GNS-4000 allows for Gigabit network connectivity, enabling users to transfer files via the LAN at 1000Mbps. The high-speed LAN interface allows for high network performance where users make use of technology-sensitive business applications such as instant file sharing and multimedia applications.



GNS-4000

Key Features

- Advanced RAID technology for reliable and fault tolerant data storage
- Supports 4 SATA-I/II disk drives with RAID 0/1/5/10 capability
- Gigabit Ethernet network connectivity for high-speed data transfer
- Built-in media server and DLNA support for easy sharing of digital content on the Internet
- Features 2 USB2.0 ports for sharing of USB storage devices, printers or UPS
- Provides a "One-Touch" smart backup utility for quick storage of image, music, and data files
- Advanced chassis design for minimum power consumption and ultra-quiet operation
- Removable, tool-less hard drive carrier for quick swapping of drives
- Features secure email notification for activity, backup status and system errors
- Advanced setup wizard and web management interface for Windows, MAC, and Linux

Technical Specification

LAN Interface

- **Network Interface**
1x RJ-45 Connector
IEEE802.3, IEEE802.3u, IEEE802.3ab Standard
(10BASE-T, 100BASE-TX, 1000BASE-T)
- **Transmission Speed**
10/100/1000 Mbps
- **Access Method**
CSMA / CD
- **Maximum Transmission Distance**
100Meters

NAS features

- **File Sharing Protocols**
SMB/CIFS (Microsoft), AFP (Apple/Mac), NFS (Linux)
- **Network Protocols**
FTP, DHCP Client
- **Client OS Support**
Windows, Linux/Unix, Mac OS
- **Client Utility OS Support**
Windows
- **Security/User Management**
Domain Integration, Microsoft ADS, UNIX NIS User, Group & Quota management, FAC
- **USB Connectivity**
HDD/Flash Drive (FAT32, EXT3)
Printer
APC UPS
- **Backup**
Snapshot backup
NAS to NAS replication
Client to NAS backup
- **File System**
EXT3 Journal File System, Multi-Volume
- **Others**
Printer Server

RAID Management

- **RAID Levels**
RAID 0, 1, 10, 5, 5+Spare
- **RAID features**
Hot spare,
Drive roaming among channels
Gigabyte Rounding
Robust Error Handling
- **Background Activity**
Auto Rebuild, SMART, Migration, Expansion

USB Interface

- **Network Interface**
USB 2.0 Hi-Speed, Full-Speed, Low-Speed
- **Connector Type/Port**
2x USB Type A ports
- **Data Transmission Speed**
480Mbps (HS Mode)
12Mbps (FS Mode)

Disk Interface

- **Number of Drives**
4 Drives (3.5" SATA drives only)
Hot swappable
- **Specifications**
Supports 3Gpbs SATA drives with NCQ/TCQ
Supports 48-bit LBA

System Management

- **Web Browser Support**
Internet Explorer 6 or above, Opera, FireFox 1.5, Netscape 7.0, Safari
- **Multi Languages**
English, Traditional Chinese, Simple Chinese, Japanese, Spanish
- **Coding System**
Unicode
- **Management Protocols/Notifications**
HTTP, HTTPS, NTP, SMTP; Email, audible(buzzer), visible(LEDs)
- **Management Tools**
One-Touch Smart Sync (Client scheduling backup), Setup Wizard

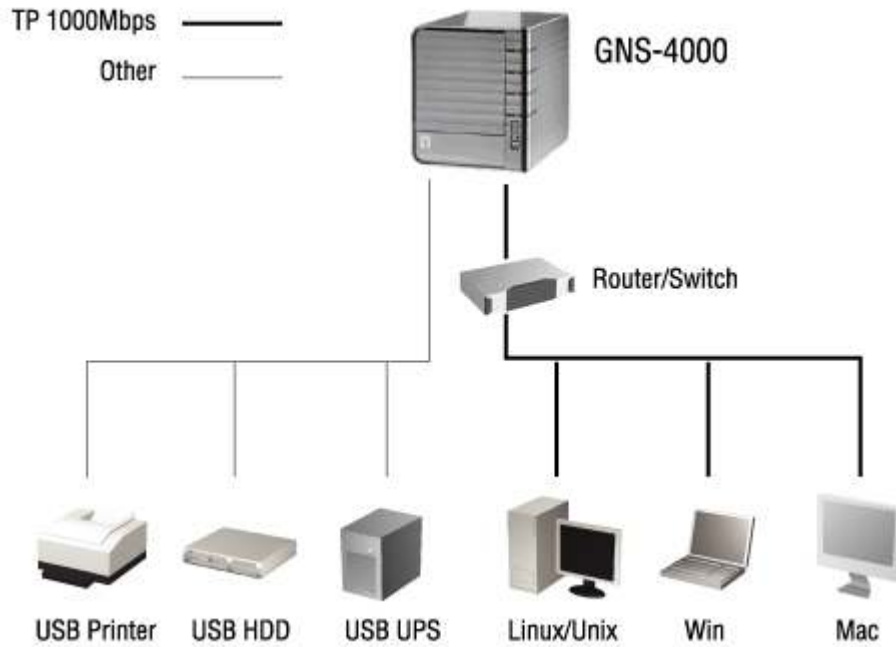
Physical Specifications

- **Power Supply**
200W with PFC,
100-230V, 50-60Hz AC
- **Operating Temperature**
5°C to 35°C
10% - 85% Humidity
- **Power consumption**
78W (with 4 SATA HDD)
- **Dimensions**
229.6 (D) x 152.5 (W) x 188.2mm (H)
- **Weight**
2.5KG (w/o HDD)

Certification

- CE
- FCC Class B

Product Diagram



Ordering Information

GNS-4000 4-Bay SATA NAS w/ Gigabit LAN

For more information, please contact your LevelOne representative, or visit our website
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