



4-Bay Gigabit Network Storage

GNS-4001



H/W Version: 1

Product Overview

The LevelOne GNS-4001 4-bay Network Storage is designed specifically for home offices, small businesses and workgroups. Never before has there been available a centralizing management of Network Attached Storage (NAS) system with a space-saving footprint and large capacity that gives user the benefits of a big-time data centre without big-time IT department needed. By utilizing iSCSI network storage server storage and supporting ISO file for a great deal to do monitoring of storage, backup, archiving, and file sharing. GNS-4001 is suitable for IP Surveillance that can easily be implemented as network storage or as a supplement to your primary backup and recovery device.

Advanced Data Storage & File Sharing

As the data value and volume of business data continue to rise, corporations need high-performance storage solutions which are secure, reliable, and easy to manage. Our NAS provides both iSCSI service and network storage solutions which can be easily utilized in different business and enterprise applications such as backup center, disaster recovery, file sharing, virtualization and video editing storage.

Complete Backup Solutions

The NAS offers the following comprehensive RAID (Redundant Array of Independent Disks) levels and fault-tolerant disk configurations: 0 "striping", 1 "mirroring", 5 "parity", 5+hot spare, 6 "double distributed parities", 6+hot spare, 10 "RAID 1+RAID 0", 10+hot spare, single disk and Linear Disk Volume i.e., JBOD (Just a Bunch Of Disks). In addition, it supports Hot-swapping, SmartSync for data replication, RAID bad sector recovery, and Disk Server. All these features enhance maximum data protection against hardware failure.

IP Surveillance Solution

Apart from the data sharing service provided by NAS, you can also set up a video surveillance system for your business via the built-in iSCSI functionality. Video surveillance is much cheaper and no longer complicated these days. Depending on your existing network topology, if you have network cameras and an IP CamSecure Server already placed, then all that is required is to configure an iSCSI target disk volume on the NAS for the video surveillance system and to install an iSCSI initiator on the IP CamSecure Server which will communicate with the iSCSI target automatically.

Key Features

- Provides RAID (0/1/5/6/10) technology for advanced data security and improved performance
- Features iSCSI function to optimize data protection and simplify IP-SAN storage deployment
- Dual Gigabit Ethernet ports for trunking and failover
- Provides real-time Antivirus Scan Engine to protect server against blended threats
- Features cross-platform file sharing amongst Windows, Mac, Linux and Unix OS
- Ideal solution for running intensive multimedia application – video streaming

Relate Products



FCS-5051

Day/Night 2-Megapixel PoE Outdoor Network Camera



GEP-2450

24 GE PoE with 4 Dual Speed Combo SFP Web Smart Switch

Technical Specification

Hardware Specification

CPU:

Intel CM550 (2.0G/1M/533MHz)

Memory:

1GB DDR II, up to 4GB

Flash:

1GB Flash Card

LAN:

2 x10/100/1000Mbps Gigabit Ethernet ports

HDD:

Support 4 hot-swappable SATA II 3.5" HDD
(Maximum Raw Capacity 12TB)

USB:

2 x USB 2.0 Host

LED:

Power, HD Access, LAN 1, LAN 2, Disk 1, Disk 2, Disk 3, Disk 4

Switch:

Power on/off

Software Specification

Network Client:

Windows 98/ME/2000/2003/XP/Vista/2008 server / Windows 7,
Mac OS 8.x/9.x/10.6.x, Linux, Unix

Networking TCP/IP:

HTTP, HTTPS, FTP, FTPS

Supports connection types: Stand Alone(Multi-IP Settings),
Fault Tolerance, Load Balancing, IEEE 802.3ad/Link Aggregation

File Sharing Protocol:

CIFS/SMB over TCP/IP, FTP, NFS, AFP

File System:

Journaling file system EXT3 (for internal HDD)
FAT16/32 (for USB device)

Disk Management:

RAID JBOD, 0.1.5.6.10
Disk Scan (Manual/Schedule)
Disk S.M.A.R.T (Manual/Schedule)
Hot spare
Hot expand
Volume migrate
ISO Mounting: Max 1536 File

Data Backup:

Support Windows "Backup and Restore"
Driver Backup (Internal HDD vs USB HDD)
NAS-to-NAS data synchronization with Smart Sync
Advanced RAID bad sector recovery mechanism
Support CD-R/RW and DVD±RW, Blu-ray burning capability
Support smart-signaling UPS, USB UPS and network UPS

User Management:

User account: 20480
Disk Quota by user
Password authentication

Share Folder:

Share folder: 200~400
Share folder access right management (by user)

Log:

System log
Security log
Device Log
Unicode support for CIFS
Multiple language support for FTP/HTTP
System Function
Date/Time/Daylight
NTP client

Security:

Share permission
User/Folder quota
Build-in Trend Micro antivirus software (free)
Support UNIX Network Information Service (NIS)
Support Access Control List (ACL)
Secure Sockets Layer (SSL) 128-bit encryption

Recycle Bin:

For each share folder

Storage:

FTP/Samba/Windows File Sharing Server

Multilingual Support:

Localized web-pages: English, Traditional Chinese, Simplified Chinese, Korean, Japanese, French, German, Italian, Spanish
Unicode UTF-8

Browser Support:

Internet Explorer 7 & 8 or Later
Firefox 3 or Later
Safari 3 & 4 or Later
Google Chrome

Physical Specification

Power Supply:

350W ATX Power Supply 80 plus compliance
AC 100-240V, 50-60Hz, 2A-4A

Temperature:

Operating Temperature: 0°C to 40°C
Storage Temperature: -20°C to 70°C

Humidity:

Operating Humidity: 10% - 80% (on-condensing)
Storage Humidity: 0% - 90% (on-condensing)

Power consumption:

196W (with 4 SATA HDD)

Dimensions:

415(D) x190 (W) x 260mm (H)

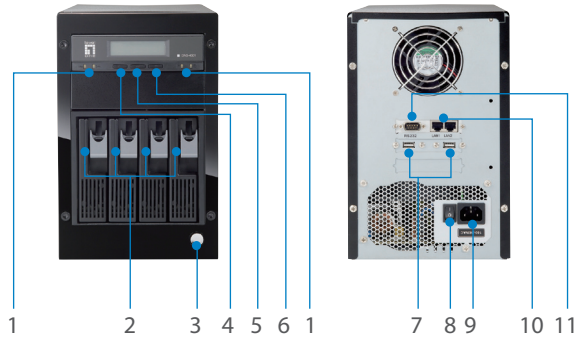
Weight:

9.3KG (Not included Hard Disk)

EMI and Safety:

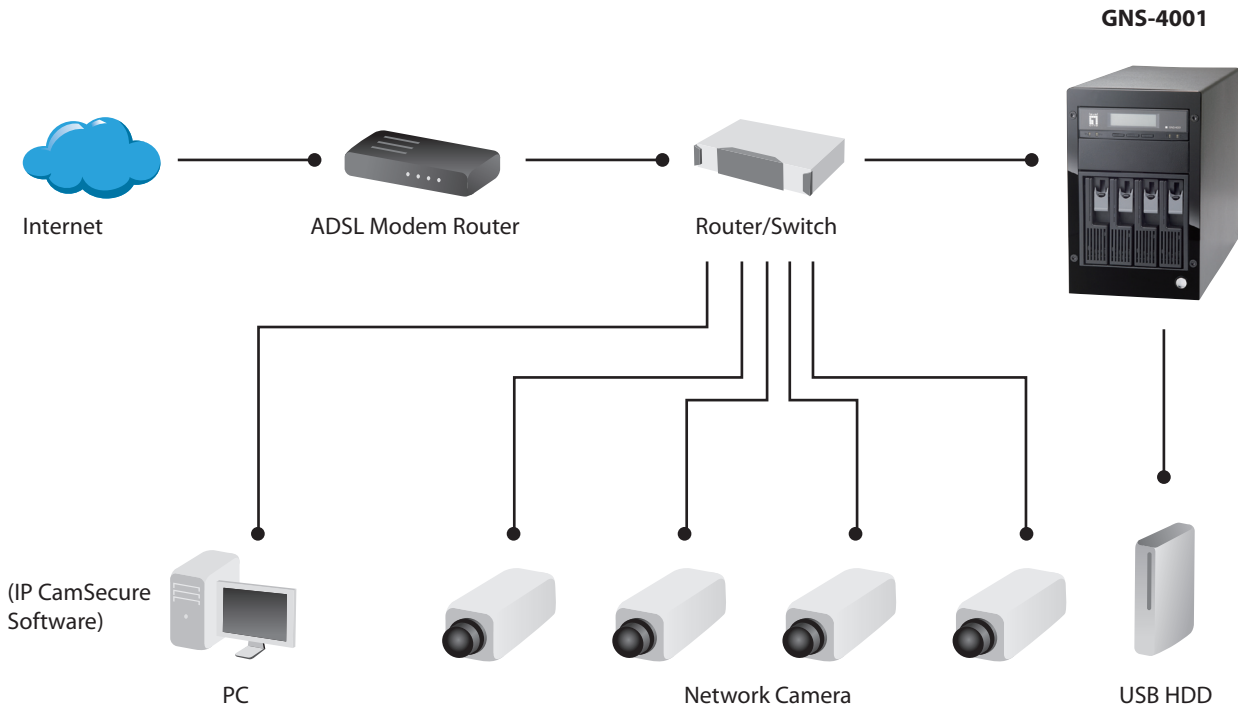
FCC, CE

Front View and Rear View



1. LED Indicators
2. Disk LEDs
3. Power Switch
4. Back Button
5. Finish Button
6. Next Button
7. USB Ports
8. Power on / off Switch
9. Power Socket
10. LAN Ports
11. RS-232 Port

Product Diagram



Order Information

Package Content

GNS-4001: 4-Bay Gigabit Network Storage

- GNS-4001
- Quick Installation Guide
- CD Manual/Utility
- Power Cord

All mentioned brand names are registered trademarks and property of their owners. Technical specifications are subject to change without notice.

© Copyright Digital Data Communications GmbH. All Rights Reserved.