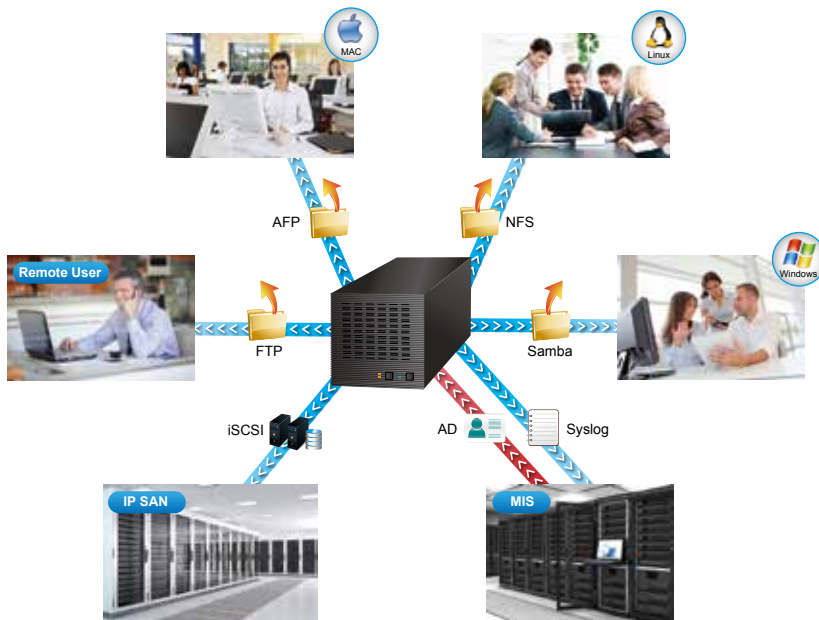


## 4-Bay SATA NAS RAID Server with iSCSI



### High Performance Shared Storage Server

PLANET NAS-7410, a reliable and high-performance business-class network storage, is a 4-bay RAID network storage system for those seeking reliable and affordable server virtualization and file storage. The network storage unified architecture supports both NAS and IP-SAN applications and solves numerous data management problems with a single system. Support for major network file-system protocols enables cross-platform compatibility and file sharing among Windows, Mac and Unix/Linux operating systems. Integrated data protection and offsite replication features make managing complex business storage environments affordable.



### Hardware

- High performance Intel Dual Core 1.8GHz processor
- Provides scalability up to 16TB (with 4TB per Hard Drive)
- Tray-less design for genuine plug & play and hot swap use
- Integrated Dual Gigabit LAN with Fault Tolerance and Link Aggregation
- Adds storage capacity by connecting external USB / E-SATA hard disk drives

### Network and Configuration

- Compatible with Windows 2003 / 2008 / XP / Vista / 7, Mac OS 8.x or above, Linux / Unix
- Supports CIFS/SMB to allow Microsoft network remote users to easily retrieve files
- Supports VMware vSphere and Citrix XenServer at Server Virtualization & Clustering

### Data Backup and Management

- Linux based Samba OS provides EXT3 file system for securing data storage
- Supports RAID 0, 1, 5, 6, 10 and JBOD
- Bad Block Scan & Hard drive by S.M.A.R.T.
- Supports NAS and iSCSI / IP-SAN for database and server virtualization applications
- Built-in FTP server allows users to conveniently transfer files
- Allows the administrator to allocate the amount of available disk space to individual users
- Provides password protected data access to all users
- Supports up to 2048 user accounts with individual access rights
- SmartSync backup for automatic client backup
- Snapshot for instant backup and restoration
- NAS to NAS replication for remote backup
- WebDAV enables viewing, adding, or deleting files from the web
- Instant Alert via Email, Buzzer, Trap, Web Reminder

### General

- Antivirus Engine Protection by Trend Micro
- Uninterruptible Power Supply (UPS) support without data loss in the case of power failure
- Power Saving -- Wake on LAN, Scheduled Power on/off, Smart-Fan

### Space Saving & Tray-less Design

The NAS-7410 is designed to allow the installation of up to 4 x 2.5"/3.5" SATA hard drives. Each hard drive door has a multi-locking latch mechanism in order to prevent a door from being opened easily. Each of these doors includes a tray and hard drive key that can be easily unlocked and pulled out. Then users can easily attach the hard drive to the hot-swap hard drive tray with the screws.

#### Keylock & door latch mechanism



Prevents hard disk drive from being removed easily

#### 4 x SATA hard disk drive

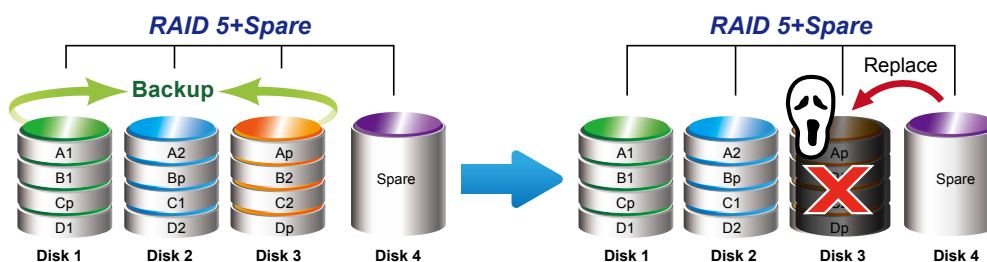


Provides scalability up to 16TB

### Automatic Data Protection by RAID & Hot Swap

The NAS-7410 provides advanced RAID configurations including RAID 0, 1, 5, 6 and 10 functions. You can get the perfect compromise between speed and disk-failure proof, hardware-level data protection. It also supports hot-swap design so that a failed drive can be replaced by hot swapping without turning off the server.

#### Rebuilding the Spare HDD Would Replace the Fault HDD

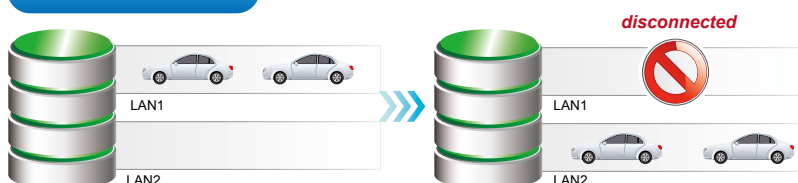


### Multiple LAN for Better Efficiency

The NAS-7410 features multiple functions to support LAN storage for better efficiency.

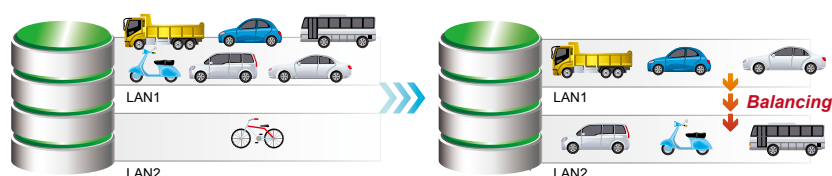
- **Fault Tolerance:** When LAN1 of the NAS-7410 fails to connect to the network, the LAN2 would take over from the LAN1 which is designed to ensure server availability to the network.

#### Fault Tolerance



- **Load Balancing:** When the traffic of LAN1 starts to get congested, then the LAN2 would share the traffic until the traffic of both LAN ports starts to get balanced. Load Balancing also incorporates Fault Tolerance protection.

#### Load Balancing



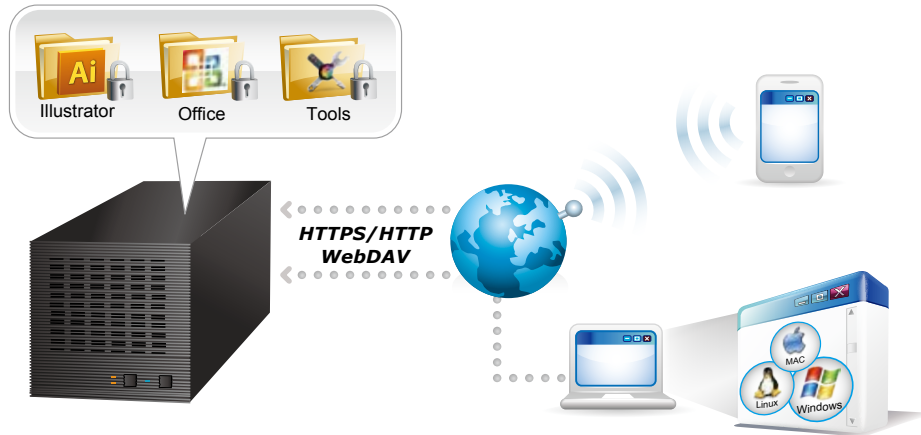
- **Link Aggregation:** Combine LAN1 and LAN2 into a single channel to provide greater bandwidth. Must be used with Link Aggregation switch.

#### Link Aggregation



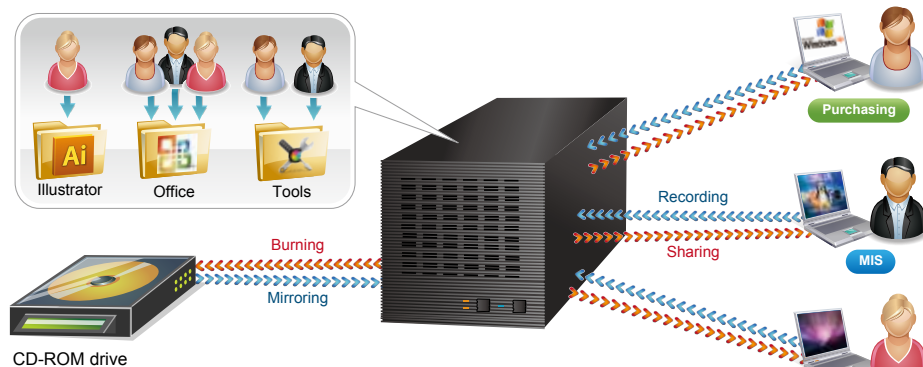
### *The Extension of Network Communication by WebDAV*

The NAS-7410 supports WebDAV, which is an extension of the HTTP protocol for users to edit and manage documents and files that are stored on servers over the Internet. It also allows iOS and Android WebDAV clients to access files from NAS server.



### *Powerful Disc Images Management and Sharing by Disc Server*

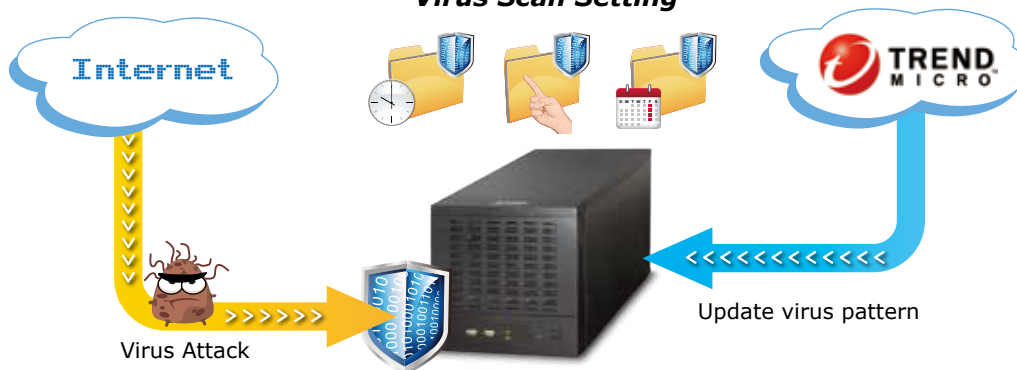
Disc Server is our unique technology which is designed for CD/DVD, Blu-ray disc images creation, burning and data archiving for central management. This feature saves the space for storing the physical discs, reduces the risk of data loss caused by disc wearing and tearing, and enhances the efficiency of data sharing on business network.



### *Always-on Data Security with Trend Micro*

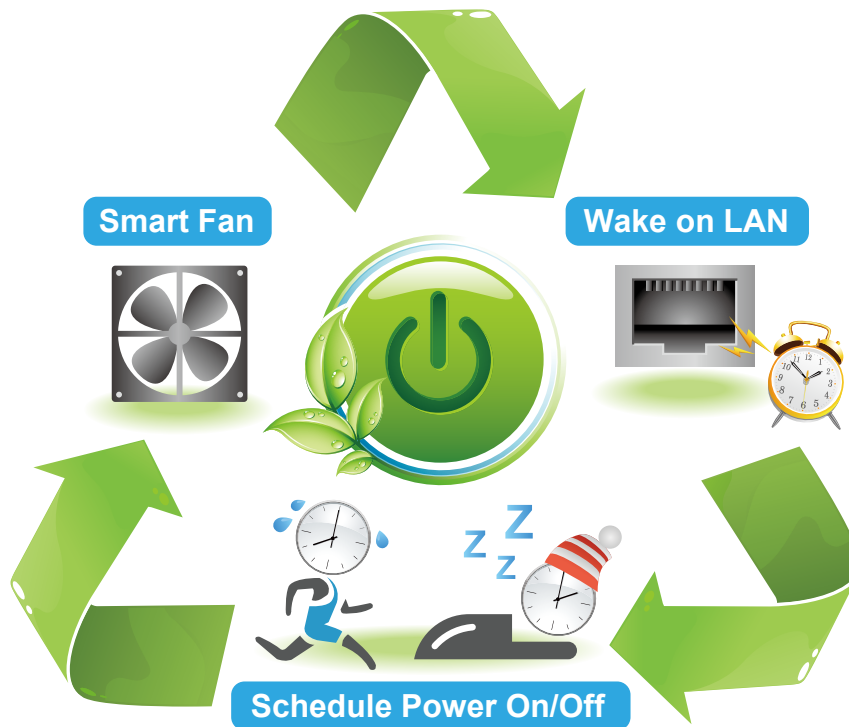
The NAS-7410 features virus engine scanning technology and cooperates with well-known Trend Micro Anti-virus Company. It updates the virus pattern information automatically via Internet to protect NAS against new virus attacks. The real-time online scanning can warn and remove infected files to prevent users from distributing virus from NAS on the network.

### **Virus Scan Setting**



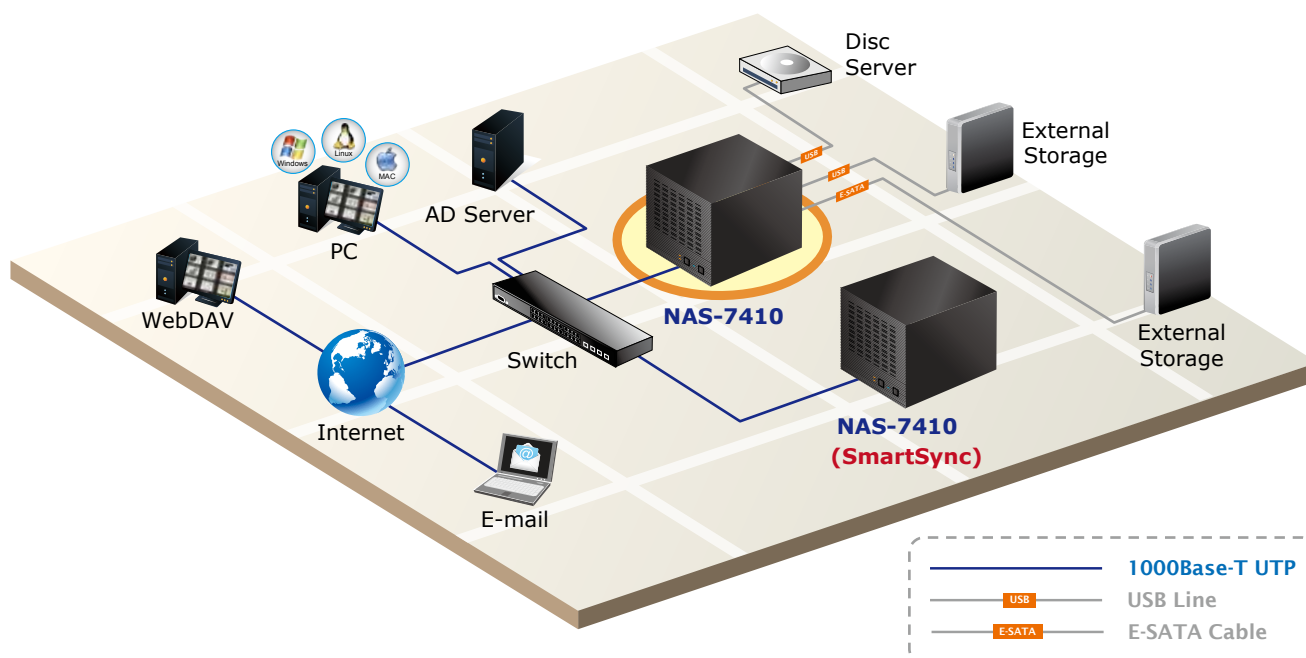
### Energy Efficient Design

The NAS-7410 features green technologies to protect the environment and save electricity. The smart fan monitors the system temperature of the NAS-7410 and automatically adjusts its speed to ensure quiet operation and power saving. Scheduled power on/off feature provides flexibility to only allow the NAS-7410 to operate in designated time and therefore minimize power usage. The NAS-7410 can be powered on remotely and reduce the power consumption by Wake on LAN.



### Applications

The NAS-7410 provides connectivity to your existing network without requiring extra client access license fees, upgrading or replacing servers. It can be applied to a mixed platform network and offer fault-tolerant, high-performance and high-availability storage service.



### *All-around Backup Solutions*

The complete and reliable backup solution is the competitive advantage of PLANET NAS-7410 which supports local replication Volume Migration, Snapshot, Data Archiving, USB/E-SATA Backup, and remote replication SmartSync. The NAS-7410 also provides system profiles backup for system recovery. The rich backup options enhance the data protection for your properties.



## ***All-around Backup Solutions***

## Specifications

Model	NAS-7410
<b>Hardware Platform</b>	
CPU Frequency	Intel D525 1.8GHZ
Memory	DDR3 2GB
Supported hard drive	4 x 2.5"/3.5" SATA I/II/III hard drives (Hard drive not included) File System: EXT3
Buttons	1 x Power button 1 x Reset button
LAN Interface	2 x Gigabit Ethernet ports with load balancing and fault tolerance
USB Interface	6 x USB2.0 port for external storage and UPS File System: FAT16/32, NTFS
E-SATA Interface	1 x E-SATA port for external storage File System: FAT16/32, NTFS
COM Interface	1 x COM port for UPS
Fan	1 x quiet cooling fan (12 cm, 12V DC, Max. 15400rpm)
Alarm Buzzer	System warning
Secure Design	Lock security slot for Hard drive prevention
<b>Network and Configuration</b>	
Network Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3ad for dual link aggregation
Protocol	IPv4 & IPv6, AppleTalk HTTPS, CIFS/SMB, AFP, NFS(v3/v4), FTP, FTPS (SSL, TLS), SSH, SMTP, SNMP, NTP, iSCSI
Security	Password protection IP address filtering HTTPS encrypted data transmission 802.1X Port-based authentication for network protection QoS / DSCP
Supported Languages	Unicode UTF-8
Supported Browsers	Microsoft Internet Explorer 8, 9, 10 Google Chrome Firefox
Supported Clients	Windows XP, Vista, Windows 7 (32/64-bit), Windows Server 2003/2008 R2 Apple Mac OS 8.X / 9.X / 10.6X Linux & UNIX
<b>Data Backup and Management</b>	
RAID level	Single Disk, JBOD, RAID 0, 1, 1 + Hot Spare, 5, 5 + Hot Spare, 6, 6 + Hot Spare, 10, 10 + Hot Spare
Max. User / Groups	2048 (include local / domain account / groups)
Max. Shared Folder	256
Max. Concurrent Connections	150
Max. iSCSI Target/LUNs	8
Disk Management	Bad Block Scan & Hard Drive S.M.A.R.T. Global Hot Spare Drive RAID Recovery BSR (Bad Sector Remap)
Backup Solution	SmartSync: NAS-to-NAS, NAS-to-USB/E-SATA, USB/E-SATA-to-NAS Snapshot: Point-in-time Copy in a Flash System Profile: Recover from system failures Disc Server: Optical disc recording Data Backup to Multiple External Storage Devices
Security	Network Access: SSH, HTTPS, FTP, CIFS/SMB, AFP Encrypted Access: HTTPS, FTP with SSL/TLS, SSH/SFTP, Remote Replication between NAS Servers Built-in Trend Micro antivirus software Access Control List (ACL) Secure Sockets Layer (SSL) 128-bit encryption Instant Alert via Email, Buzzer, trap, web reminder

<b>General</b>	
Power Requirements	100~240V AC, 3.5A, 50~60Hz
Operating Temperature	0 ~ 40 degrees C
Operating Humidity	10 ~ 80% (non-condensing)
Weight	5.1Kg
Dimensions (W x D x H)	200 x 320 x 210 mm
Power Management	Wake on LAN Scheduled Power on/off COM Port, USB and Network UPS Support
Antivirus	Protection against the Latest Known Viruses, Trojans, and other Threats Virus Pattern Update on Manual or Scheduled Basis Email Notification upon Task Completion or Virus Detection Quarantines or Deletes Infected Files Real-time and Scheduled Scan Setting
Emission	CE, FCC

## Ordering Information

NAS-7410	4-Bay SATA NAS RAID Server with iSCSI
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## Related Products

NAS-7450	1U Rack-mountable 4-bay NAS Server with iSCSI
NAS-7850	2U Rack-mountable 8-bay NAS Server with Dual Power Supply