

2U Rack-Mountable 8-Bay NAS Server with Redundant Power



The reliable and high-performance business-class network storage, PLANET NAS-7850 is a 2U 8-Bay rack-mountable with redundant power supplies network storage system designed 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. Integrated data protection and offsite replication features make managing complex business storage environments affordable.

The NAS-7850 provides advanced RAID configurations including RAID 0, 1, 5, 6 and 10 functions. The HDD space in use can easily increase up to double with RAID-0 or real-time data backup to prevent data lost with RAID-1. The basic

RAID function will ask user to install two hard drives in the same model when storing data, however, it also supports hot-swap design so that a failed drive can be replaced by hot swapping without turning off the server. Besides, the best-in-class RAID on the NAS brings users a higher level of data security by allowing one more hard drive failure than other NAS with similar functions.

The NAS-7850 is equipped with the Intel Core 2 Duo processor, and it is a powerful 8-Bay network attached storage (NAS) server, which is designed to provide a cost-efficient and easy-to-use solution. It supports advanced user management functions such as private HDD space and login account. It not only shares HDD space, but also positions as the central management device managing each user of the device. With the NAS-7850, business-class office or home users will get a simple yet effective way to expand the client side or the network data storage.

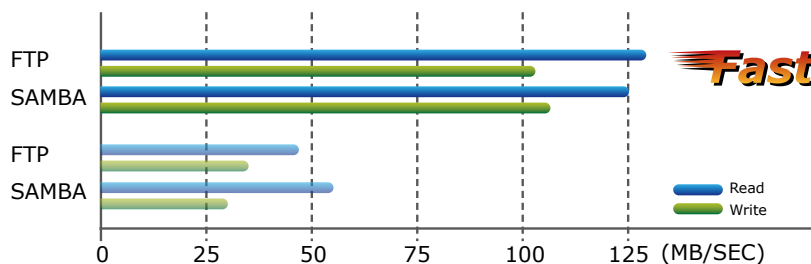
KEY FEATURES

- High-density **2U 8-bay rack-mount** with redundant power supplies for reliability and business continuity
- Multiple volume support for **RAID 0, 1, 5, 6, 10** background sync and Smart Sync resume
- Simultaneously supports **NAS** and **iSCSI SAN** for database and server virtualization applications
- **Two 10/100/1000** Ethernet ports with **load balancing** and failover
- High-end Data Protection adopts the most advanced SATA RAID technology and fully integrates Anti-virus engine to protect valuable data on the fly
- Multi-Protocol system support for Windows, MAC, Solaris, FreeBSD, Linux and other UNIX derivatives
- Revolutionary dual-function NAS server integrates both On-line file service and Near-line CD/DVD caching service into one centralized storage server
- **High Performance:** Using single device connection which eliminates the master/ slave issues and allows faster transfer rate without latency and delay
- **High Data Integrity:** Offers error checking and error correcting capabilities. The end-to-end integrity of transferred commands and data can be guaranteed across the serial bus
- **High System Reliability:** A dedicated port for each disk drive, providing greater system reliability through individual drive and cable fault isolation
- **High Usability:** Easier configuration and design with cables that are thinner, have smaller connectors, and are simpler to route and install

SAMBA/FTP ACCESS

NAS-7850 (RAID 5)

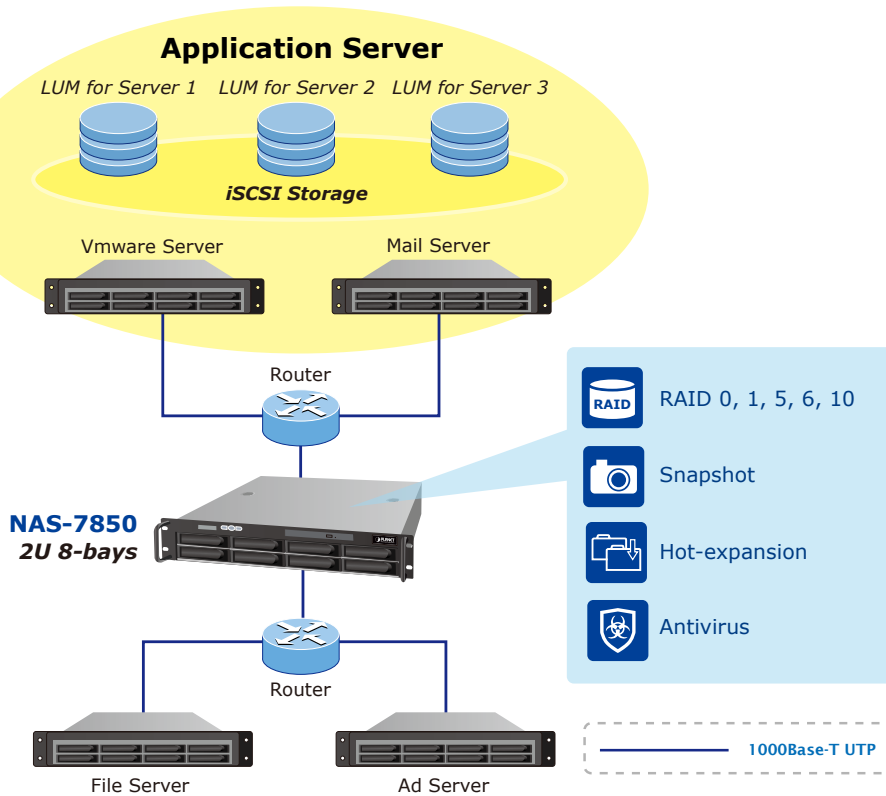
Other NAS (RAID 5)



APPLICATIONS

The reliable and high-performance Business-class network storage

The NAS-7850 provides connectivity to your existing network without requiring extra client access licenses 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.



SPECIFICATION

Product	2U Rack-Mountable 8-Bay NAS Server with Redundant Power
Model	NAS-7850
CPU	Intel Core 2 Duo 2.2G/4M/800MHz
Memory	2GB RAM
Flash	1GB RAM
HDD	3.5" SATA III HDD x 8 NOTE: The system is shipped without HDD.
HDD Tray	2U / 8 x Hot-swappable and lockable tray
LAN Port	2 x 10/100/1000 M Gigabit Ethernet ports with load balancing and failover
USB	2 x USB 2.0 port (Back)
eSATA	1 x eSATA port (Back)
Buttons	1 x Power button, 3 x System operation button
Alarm Buzzer	System warning
LCD panel	Mono-LCD display with backlight and buttons for configuration
Max. User Accounts	20480 (include local/domain account/groups)
Max. Groups	20480 (include local/domain account/groups)
Max. Shared Folder	512
Max. Concurrent Connections	400
Supported Operating System	<ul style="list-style-type: none"> • Microsoft Windows 95/ 98/ ME/ NT/ 2000/ XP/ VISTA/ Server 2003/ 2008/ 7 • Solaris, FreeBSD, Linux, and other UNIX derivatives • Mac OS 8.x, 9.x, OS X
Network Protocols	<ul style="list-style-type: none"> • TCP/IP, AppleTalk • HTTP, CIFS/SMB, NFS v3/v4, FTP, AFP • BOOTP, RARP, DHCP, DNS, WINS, SMTP, SNMP, NTP, SSL

Data Protection	<ul style="list-style-type: none"> • RAID 0, 1, 5, 6, 10 and JBOD with global hot-spare and RAID expansion • NAS-to-NAS data synchronization with SmartSync • Advanced RAID bad sector recovery mechanism • Supports smart-signaling UPS, USB UPS and network UPS • Local tape backup with SCSI tape drive support
Network Security	<ul style="list-style-type: none"> • Built-in Trend Micro antivirus software • Integrates with Microsoft Windows NT/2000/2003/2008/7 Domain and Active Directory environment • Supports UNIX Network Information Service (NIS) • Supports Access Control List (ACL) • Secure Sockets Layer (SSL) 128-bit encryption
System Management	<ul style="list-style-type: none"> • Multi-lingual web-based interface for system administration • LCD console for setting IP addresses and displaying system information • User quota and folder quota control • Wake On LAN • Environmental monitoring of system / CPU temperature, CPU fan speed and CPU voltages • System monitoring of CPU/ memory usage and LAN1/LAN2 throughput • Snapshot technology for maintaining consistent backup images of file system up to 256 snapshot standard • E-mail notification, SNMP management (MIB II) and system buzzer alerts • NAS Finder software utility for quick setup and system configuration backup
Multilingual Support	<ul style="list-style-type: none"> • Localized web-pages: English, Traditional Chinese, Simplified Chinese, Korean, Japanese, French, German, Italian, Spanish • Unicode UTF-8
Operating	Temperature: 0 ~ 40 Degree C (32 ~ 104 Degree F) Humidity: 10 ~ 80%, (non-condensing)
Storage	Temperature: -20 ~ 70 Degree C (-4 ~ 158 Degree F) Humidity: 0 ~ 90%, non-condensing
Dimension (W x D x H)	669mm x 480mm x 88mm
Weight	16.2kg
Power Adapter	INPUT: 100-240V AC, 5-8A, 50-60Hz FUSE: 8A, 250V
Secure Design	Lock security slot for HDD prevention
Regulatory	FCC, CE, RoHS, WEEE compliance

ORDERING INFORMATION

NAS-7850	2U Rack-Mountable 8-Bay NAS Server with Redundant Power
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RELATED PRODUCTS

NAS-7102	1-Bay SATA NAS Server
NAS-7201	2-Bay SATA NAS RAID Server
NAS-7400	4-Bay SATA NAS RAID Server
NAS-7450	1U Rack-Mountable 4-Bay NAS Server with iSCSI

ACCESSORIES

NAS-78RPS	Redundant Power Supply for NAS-7850
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