

**Model: NS-1600**  
**3U, NAS / IP-SAN, with 16 Hot-Swappable SATA/SAS Drive Bay**



## Product Features

- High-performance storage systems; high-performance hardware platform; multi-channel
- Gigabit Ethernet ports; optimized multi-process control procedures; powerful ability to deal with IO.
- Allow mixed use of SAS/SATA (6Gb/s or 3Gb/s) disk drives within one system.
- Ease-to-use control interfaces; with the control interface based on browser.
- Extremely protection for secure RAID Date; support RAID 0, 1, 5, 10, 50, 6 (only SATA), JBOD and so on; alarm function with hardware failure.
- High scalability of host computer; storage can be extended to MAN and WAN based on Ethernet network architecture, which suit for remote data backup disaster recovery.

## Product function

- Choose either file based NAS or block based IP-SAN, optional to use both function together in one system.
- Embedded system, stable and efficient
- File system of EXT3 (provides the function of file administration and sharing); Effective anti-virus
- System event log (record all operation of the system)
- Support RAID fault-tolerance and mirror image (Raid0、Raid1、Raid5、JBOD、Raid5 with 1 Spare, also can choose RAID6)
- Disk custom management (users can configure the use of the device space size, convenient management)
- Support UPS (integrated with many branded UPS effectively)
- Dynamic management of network (DHCP/Static IP)
- Boot without disk; system software and configuration files are stored in the FLASH
- Upgrade online (easily and conveniently)
- Multi-protocol support (Windows/Unix/Linux; CIFS/SMB/NFS/HTTP/FTP/AFP; TCP/IP/IPX/SNMP/DNS/WINS)
- e-mail alarm (System will automatically send an error message prompting the administrator when it's fault)

- WEB administration interface (convenient and efficient management through IE/Firefox/Chrome...)
- Distribution of permission (share-level/user-level/local account; active directory support)
- Help online (provides plentiful help files)
- System monitor (CPU, MB, Memory, System)
- System configuration recovering (restore the default configuration automatically)
- Connector management (monitor the status of connecting to the system)
- Network adapter binding (load-sharing)
- FTP service (broadband limiting and so on)
- Hard disk hot-plug (replacing the hard disk in the case of boot)
- Installation wizard (user-friendly the installation services of configuration)
- WEB Server\*User log (users can record all information of access)

## Hardware Specification

- **Form Factor:** 3U, 19'' Rackmount
- **Processor:** Intel Xeon (Quad Core) E3 - 1230 (3.2GHz, 8M Cache)
- **RAM:** 4GB DDRIII ECC (supporting up to 32GB)
- **LAN:** 2 x Intel 10/100/1000Mbps Gigabit LAN port
- **Hot-swap 3.5" or 2.5" Drive Bay:** supporting 16 x SATA / SAS HDD
- **RAID Level Supporting:** 0, 1, 5, 6, 10, JBOD
- **Expansion Slot:** 1 x PCI-E X 16, 2 x PCI-E X 8, 1 x PCI
- **Front LED:** 1 x Power ON, 1 x HDD activity, 2x LAN activity
- **Front Panel:** Power ON/OFF switch, System Reset switch, 1 x USB 2.0 port
- **Rear Panel:** VGA, COM, 2 x LAN, 4 x USB
- **Power Supply Support:** 600watt ATX
- **Dimensions ( W x D x H ): 16.9" x 25.5" x 5.1 "** (430mm x 650mm x 130.1mm)
- **Operating Temperature:** 0/50 °C
- **Storage Temperature:** -20/60 °C
- **Storage Humidity:** 10% to 90%, non-condensing
- **Packing:** Double Carton boxes, 570mm x 830mm x 260mm
- **Weight:** 21.5 Kg(net), 24.5 Kg (gross)

## Optional Items

- NAS & IP-SAN embedded software use together
- 500 watt Hot-swap Redundant Power Supply Unit
- Sliding Rail