

# SS-839 Pro Turbo NAS

Superior Performance NAS with Advanced Security and iSCSI for Business Users

- Supports 2.5" SATA Hard Drives for Enhanced Reliability & Energy-saving Operation
- 8-bay Hot-swappable
- Superior Performance for Data Sharing
- Built-in iSCSI Target Service
- AES 256-bit Volume-based Encryption
- RAID 0/1/5/6/5+Hot Spare/JBOD
- Online RAID Capacity Expansion & Online RAID Level Migration
- Dual Gigabit LAN: Failover, Load-balancing & Multiple IP Setting
- Touch-N-Go PC-less Installation



- Superior cooling design
- Ultra-low system noise

## Abundant Business Server Features

- RAID Server
- iSCSI Target
- Web Server
- MySQL Server
- Remote Replication (Rsync)
- File Server
- Backup Server
- FTP Server
- Printer Server (Max. 3 sets)
- and more...



## Hardware Specifications

### Processor

- Intel Atom 1.6GHz

### Memory

- 2GB DDRII RAM, 128MB flash (DOM)

### HDD Capacity

- 8 x 2.5" SATA HDD (the standard package is shipped without HDD)

### HDD Tray

- 8 x hot-swappable and lockable tray

### LAN Port

- 2 x Gigabit RJ-45 Ethernet port

### LED Indicators

- Status, LAN, USB, eSATA, HDD 1-8

### USB

- 5 x USB 2.0 (front: 1; back: 4)
- Supports USB printer, disk, pen drive, USB hub, and USB UPS, etc.

### eSATA

- 2 x eSATA port (back)

### Buttons

- Power button, one touch copy button, reset button

### LCD Panel

- Mono-LCD display with backlight and buttons for configuration

### Alarm Buzzer

- System warning

### Form Factor

- Tower

### Dimensions

- 177(H) x 180(W) x 235(D) mm
- 6.97(H) x 7.09(W) x 9.25(D) inch

### Weight

- Net weight: 3.92kg/ 8.64 lb
- Gross weight: 5kg/ 11.0 lb

### Operation Environment

- Temperature: 0~40°C/ 32~104°F
- Humidity: 0~95% R.H.

### Power Supply

- Input: 100-240V AC, 50/60Hz
- Output: 220W

### Secure Design

- K-Lock security slot for theft prevention

### VGA

- Reserved

### Fan

- 1 quiet cooling fan (9 cm, 12V DC)

## Software Specifications

### Operating System

- Linux-embedded system

### Networking

- TCP/ IP, DHCP Client, DHCP Server, CIFS/ SMB, AFP, NFS, HTTP, HTTPS, FTP, DDNS, NTP
- Failover
- Load-balancing
- Multi-IP setting
- Gigabit Jumbo frame

### File System

- EXT3 (Internal/ external HDD)
- FAT (External HDD)
- NTFS (External HDD)

### Supported Operating Systems

- Microsoft® Windows® 98/ ME/ NT/ 2000/ XP/ 2003/ Vista
- Mac OS X
- Linux
- Unix

### Disk Management

- Single disk, RAID 0, RAID 1, RAID 5, RAID 5+hot spare, RAID 6, and JBOD (Linear Disk Volume)
- Multiple RAID
- Online RAID Capacity Expansion
- Online RAID Level Migration
- Disk usage status management
- Check disk (Check Linux file system)
- HDD S.M.A.R.T.
- Bad blocks scan
- AES 256-bit volume-based encryption
- Built-in iSCSI target service
- PC-less RAID setup via LCD panel for the first time installation (Touch-N-Go)

### User Management

- User quota management (per user)
- Windows AD
- User account management (max. 4,096 users)
- User group management (max. 512 groups)
- Batch creating users

### File System Management

- Network share management (max. 512 shares)
- Network volume status management
- Share folder level ACL support
- Hide share folder on Windows network
- Unicode support
- Journaling file system

- Web File Manager

### System Tools

- E-mail alert (SMTP authentication)
- SMS alert
- HDD standby mode
- Disk usage alert
- Automatic power on after power loss
- QPKG add-on firmware supported
- System firmware upgrade
- Change homepage logo
- Back up, restore, reset system settings
- Smart fan setting
- Configurable management port
- Policy-based unauthorized IP blocking
- Secure remote login by SSH connection; remote login by Telnet connection
- USB, SNMP UPS support
- Wake on LAN
- Schedule on/off service (max. 15 settings)
- Network recycle bin
- Import SSL certificate

### Event Logs

- Complete system logs (file level): system events management, connection logs, current connection of on-line users

### Multilingual Support

- English, Traditional Chinese, Simplified Chinese, Japanese, Korean, French, German, Italian, Spanish, Russian, Swedish, Norwegian, Finnish, Danish, and Polish

### Backup Management

- PC-client backup software-NetBak Replicator: Instant/ Schedule/ Auto-sync backup
- Remote replication supports Rsync
- Encrypted remote replication
- USB one touch copy backup
- Data backup to external storage device

### LCD

- RAID configuration for the first time setup
- When the system is ready, users can check or configure the IP settings, physical disk info, volume info, system info, shut down or reboot the NAS, etc.

## Powerful All-in-one Server

### File Server

- File sharing across Windows/ Mac/ Linux/ Unix and centralized management

### FTP Server

- Supports data access from remote location via FTP (max. 256 concurrent connections)
- FTP with SSL/ TLS (explicit) mode
- FXP supported
- FTP bandwidth control and connection control
- Passive FTP port range control

### Backup Server

- QNAP client-side backup software - NetBak Replicator supports instant, schedule, and auto-sync backup
- 3rd party backup software support: Acronis True Image, CA Brightstor ARCserve Backup, EMC Retrospect, Symantec Backup Exec, LaCie Silverkeeper

### Printer Server

- Network printer sharing via USB (Windows & Mac)
- Supports all-in-one printer (max. 3 sets)

### Remote Replication

- Block-level remote replication supports instant, schedule backup management; supports synchronization mode

### Web Server

- Built-in phpMyAdmin, Joomla!, editable php.ini, SQLite and MySQL

### MySQL Server

- Supports MySQL database server

### UPnP Media Server

#### (built-in TwonkyMedia)

- Supports UPnP or DLNA technology; the video, music, and photos on the NAS can be played by digital media players over the local network

- Internet radio

- (built-in TwonkyMedia)
- Media playing with PS3, Xbox360, PSP game consoles

### iTunes Server

- iTunes server for music sharing
- Smart playlist for iTunes software

### Multimedia Station

- Image slide show and rotation (+90°, -90°)
- Display photo details: date, exposure time, aperture, etc.
- Automatic thumbnail generation for easy browsing
- Photo album access authority management
- Multimedia files (video and audio) local playing
- Automatic file categorization

### Download Station

- PC-less BitTorrent/ FTP/ HTTP download
- QNAP remote download control software: QGet (Windows & Mac), allows you to control the download tasks of multiple Turbo NAS on one PC via LAN/ WAN
- BitTorrent download supports TCP/ UDP, DHT
- BT schedule download
- BT download (up to 500 tasks)
- Download configuration (current seed number, configurable port range, bandwidth control, download percentage, UPnP NAT port forwarding for BitTorrent download)
- Download status list management (download percentage)
- Supports access from Mac by Mozilla Firefox

### Surveillance Station

- Supports 4 IP cameras (optional purchase) for network surveillance

## Package Contents

