

# N7700+



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## Ultimate Network Attached Storage



### Ready For the Future

Future technologies are around the corner, and the N7700+ is ready. With its PCI-e slot, the N7700+ can accommodate a number of emerging technologies. Add a 10Gb Ethernet adaptor and experience the lightning-fast file transfers. With PCI-e expansion, the N7700+ is ready for whatever may come.

### Unique Dual DOM™ Design

In business, having access to mission-critical data at all times is crucial. The N7700+ is equipped with a dual Disk On Module (DOM) design to ensure flawless operation and maximum uptime.

### Stackable Storage and iSCSI Ready

The N7700+ supports iSCSI initiators, which allows servers to access it as a direct-attached-storage device over LAN or Internet with excellent transfer speeds. With this capability, users can centrally manage and deploy storage for their entire network. In addition, the N7700+ is also stackable, enabling users to connect their unit with up to five additional N7700+s via a master system as a large data pool. With iSCSI and stackability, expanding the capacity of application servers is both quick and easy.

### Maximum Flexibility and Expansion

Aside from being iSCSI ready, the N7700+ offers unmatched flexibility. Support for multiple file systems including Ext3, XFS and ZFS, as well as online RAID migration and expansion, means that the N7700+'s data protection and capacity are upgradable and can be integrated into virtually any company network with ease. Users can add larger hard disks to available slots and join an existing RAID volume. The N7700+ will automatically rebuild the RAID array and increase storage capacity.

### Handy Snapshot Feature for Version Control

The N7700+ is capable version control via a snapshot function with the ZFS file system, allowing users to efficiently create and restore remote backups. For users, the result is total data security and peace of mind.



# N7700+

## Specifications

### Hardware Platform

#### Processor

- Intel® Celeron-M Technology

#### SATA Device

- 7 x SATA for internal
- 1 x eSATA for external

#### System Memory

- 2GB DDR2 SDRAM

#### LAN Interface (PCI-e)

- RJ-45x2 : 10/100/1000 BASE-TX Auto MDI/MDI-X
- WOL supported

#### USB Interface

- USB 2.0 host port x4(Front x2, Back x2) (A Type)

#### LCM

- Displays system status and information

#### LED Indicator

- Power (Blue)
- System Status : Busy (FW Upgrade)(Orange)
- HDD1-7 Activity/Fail(Green/Red)
- WAN (Link : Green; Activity : Green)
- LAN (Link : Green; Activity :Green)
- USB (Copy LED: Blue)
- eSATA (Activity LED: Blue)

#### PCI-e x8 Slot x 1 ( Capable for 10Gb NIC )

#### Power Supply

- 300W power supply

#### Disk Interface

- SATA x 7 via backplane

#### Thermal/Fan Control

- Thermal sensor on processor temperature
- Temperature controlled system FAN speed
- System fan monitoring

#### Buttons

- Power button (front: power down controlled by S/W)
- LCM button (ENT,ESC,UP, DOWN)

#### RS232

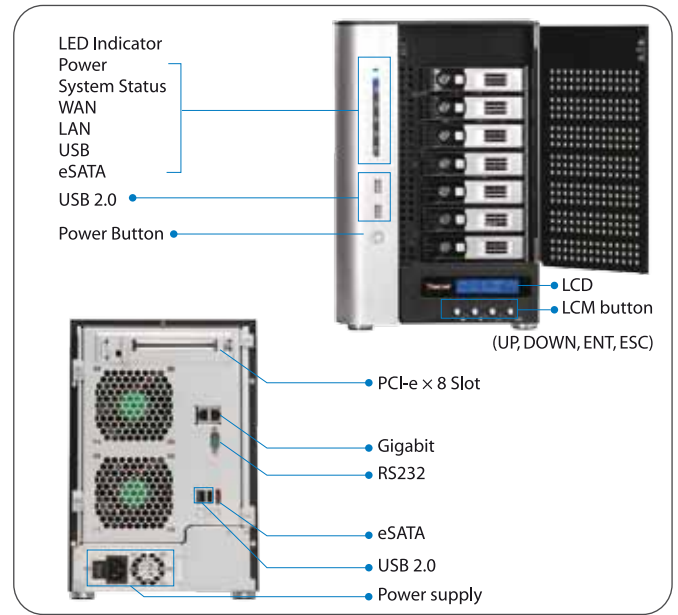
- 1 (For UPS)

#### Environmental

- Temperature : 5°C to 40 °C
- Humidity : 0 ~ 80 % R.H. (Non-condensing)

#### Dimensions

- Tower Base



### Software Functions

#### RAID

- RAID Modes : RAID 0, 1, 5,6,10,JBOD
- Auto-rebuild supported
- Hot-swap supported
- Hot Spare supported
- SMART Info supported
- SMART Test supported
- Online RAID Migration supported
- Online RAID Expansion supported
- RAID Volume Encryption : AES256bit

#### Disk

- Power Management : Spins down while idle time setup
- Bad Block Scan supported
- Roaming : Supports roaming to other N7700+

#### Network

- Configuration : Fixed IP Address, Dynamic IP Address,
- IP Sharing Mode : Can be enabled /disabled
- Transport Protocols :TCP/IP/Appletalk
- File Protocols : SMB/CIFS,HTTP/HTTPS, FTP, NFS v3, AFP
- Link Aggregation : 802.3ad, load balance and fail over Balance-XOR, Balance-TLB, Balance-ALB

#### Data Access

- Client OS Support :
  - Windows 7/2000/ XP/ 2003/ Vista
  - UNIX/Linux
  - Mac OS 9 / X
- WebDisk : Web-based file access
- FTP : Build in FTP server with bandwidth control
- Secure FTP : Build in secure FTP Server with bandwidth control
- Download Manager(Module) : HTTP / FTP / BT / eMule
- Printer Server (IPP) :
  - Supports USB printers
  - Supports IPP various printers
  - Client can manage print tasks (List/Delete) via Web user interface

#### Data Backup

- Client scheduled Incremental data backup :FarStone Drive

#### Clone PRO 5.0

- Client System Disaster Recovery : FarStone Drive Clone PRO 5.0
- NAS Remote Replication :Via Thecus proprietary Nsync
- USB Device Copy to N7700PRO :Through LCM to control
- Snapshot :Supported
- Bi-directional USB Copy(Module) :Supported

#### Block Level Access

- iSCSI Target : Supports Microsoft/Mac/Linux Initiator
- iSCSI initiator : For stackable with N0503 /N4200 /1U4500 /1U4600 /N5200 /N5500 /N7700 series /N8800 series
- iSCSI Thin Provisioning :Virtual size adjustable up to 16TB

#### Power Management

- Schedule Power On/Off :supported

#### Volume Management

- Multiple RAID :Supported
- Selectable File Systems :Ext3 / XFS / ZFS

#### Multimedia Support (Options via Module Upload)

- iTunes Server : Supported File Types:AAC, MP3 w/ ID3 tags,WAV
- Photo Web Server :
  - Supported File Types: GIF, JPG (JPEG), BMP, PNG
  - Supports EXIF display
  - Supports slide show
- Media Server : Supports uPnP AV streaming protocol

#### User Authentication

- Local User : Supports built-in user accounts
- Local Group : Supports built-in user groups
- Windows NT/ADS :Supported

#### File System

- Type : Journaling File System
- Capacity : 14TB (XFS,ZFS) / 8TB (ext3) per volume
- Language Support : Unicode support
- Authorization (ACL) : Read, write or deny options on individual users or groups for share and sub-folders

#### Administration

- Multi-Lingual Web-Based Administration :Web-based server management interface Supports English,Traditional Chinese, Simplified Chinese, Japanese, Korean, French, German, Italian, Spanish, Russian and Polish
- Utility Program :
  - MS Windows Setup Wizard Supports Windows 7/ 2000/ XP/ 2003/ Vista
  - Mac setup Wizard (OSX only)
- Email Notification : Sends system messages via Email to system administrator
- SNMP Trap :System information trap out

#### Others

- Dual DOM™ : Supported
- Web Disk : Supported
- Recycled Bin : Supported
- Web Server (Module) : Supported
- ISO Mount : Supported
- User Module : Supported
- IP CAM Surveillance (Module) :Supported to 20 IP CAM devices
- Supported Web Browsers:
  - Internet Explorer 7 or higher
  - Firefox 3 or higher
  - Safari 4 or higher
  - Google Chrome 4 or higher

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