

# LINUX NAS

SMB TOWER

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## N7700PRO v2

10GbE Ready, 7-Bay Power Storage Server

- > Breakthrough Performance
- > Superior Specs
- > Ready For the Future
- > Incredibly Expandable and Adaptable
- > Maximum Flexibility and Expansion

COMPATIBILITY LIST▼

HDD/SSD

USB HDD

UPS

NIC and 10G switch

Memory Compatibility List

Printer Compatability List

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### 1.Hardware Platform

Item	Spec
Processor	Intel® Core™ 2 Duo(1.66GHz Dual Core)
System Memory	4GB DDR2 SDRAM*
Memory expandable up to	4GB <a href="#">Memory Compatibility List</a>
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) (Type A)
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)
LCM	Displays system status and information
Disk Interface	7 x SATA for internal, support SATA II / SATA III hard disk 1 x eSATA for external

Power Supply	300W power supply
PCI-e x8 Slot	1
Thermal/Fan Control	Thermal sensor on processor temperature System FAN speed controlled by temperature
System Clock	Battery-backed up system clock
Power Management	Auto power on after shutdown due to power loss
Buzzer	Adjustable frequency alarm
Buttons	Power button LCM button (ENT, ESC, UP, DOWN)
RS232	1 (For UPS)
Environment	Temperature: 5°C to 40°C Humidity: 0 ~ 80 % R.H. (Non-condensing)
Chassis	Tower base
Dimensions (HxWxD)	320 x 210 x 270 (mm)/ 12.59 x8.27 x 10.62 (in)
Weight	10.42(kgs)/22.97(lb)
Certificates	CE/FCC/C-Tick/VCCI/BSMI RoHS WEEE VMware, Citrix

2. Software Functions

<b>RAID</b>	
RAID Modes	RAID 0, 1, 5, 6, 10,50 and JBOD
Auto-rebuild	Supported
Hot-swap	Supported
Hot Spare	Supported
Online RAID Migration	Supported
Online RAID Expansion	Supported
RAID Volume Encryption	AES256bit
<b>Disk</b>	
Power Management	Available spin-down while idle setting
Bad Block Scanning	Supported
SMART Info	Supported
SMART Test	Supported
Disk Roaming	Supports volume-based roaming to other Thecus NAS
<b>Network</b>	
Configuration	Fixed IP address, dynamic IP address
Transport Protocols	TCP/IP/AppleTalk
File Protocols	SMB/CIFS, HTTP/HTTPS, FTP, NFS v4, AFP
Link Aggregation	Load balance, Failover, 802.3ad, Balance-XOR, Balance-TLB, Balance-ALB
TCP/IP	IPV6 & IPV4
<b>Data Access</b>	
Client OS Support	Windows XP and after Windows Server 2003 and after UNIX/Linux Mac OS X
FTP	Built-in FTP server with bandwidth control
Secure FTP	Built-in secure FTP server with bandwidth control
TFTP	Users can download and upload files with TFTP programs
Download Manager	BT download (via Transmission module) NZB download (via NZB module)
Printer Server (IPP)	Supports USB printers Supports a wide range of IPP printers Client can manage print tasks (list/delete) via web user interface
<b>Data Backup</b>	
Client Incremental Data Backup	Acronis True image (OEM version)
Client System Disaster Recovery	Acronis True image (OEM version)

Client Side Backup Software	Thecus Backup Utility (Windows/Mac OS X)
Rsync Backup	Rsync replicates data between two systems (via Rsync module)
Mac OS X Time Machine	Supported
<b>Block Level Access</b>	
iSCSI Target/Initiator	Supports Microsoft/Mac OS X/Linux initiators and Thecus NAS targets
iSCSI Thin Provisioning	Supported
iSCSI VAAI	Supported
MPIO	Supported
MCS	Supported
Clustering	Supported
SCSI3 persistent group reservation	Supported
<b>Power Management</b>	
Scheduled Power On/Off	Supported
<b>Volume Management</b>	
Multiple RAID	Supported
Multiple File System Selectable	EXT3/EXT4/XFS/Btrfs
<b>Multimedia Support</b>	
iTunes Server	Supports AAC, MP3 w/ID3 tag and WAV
Piczza!™ Web Server (via module)	Supports GIF, JPG (JPEG), BMP, PNG Support EXIF display Support slide show
Media Server	Support uPnP AV streaming protocol
<b>User Authentication</b>	
Local User	Supports built-in user accounts
Local Group	Supports built-in user groups
Windows ADS	Supported
<b>File System</b>	
Type	Journaling File System
Language Support	Unicode Support
Authorization (ACL)	“Read”, “write”, or “deny” privileges to individual users or groups in folders and sub-folders
User Quota	Supported
Snapshot	Supported
<b>Administration</b>	
User Interface	Web-based user interface supports English, Traditional Chinese, Simplified Chinese, Japanese, Korean, French, German, Italian, Spanish, Russian, Polish and Portuguese
Utility Program	MS Windows Setup Wizard Supports Windows 2000/XP/2003/Vista/7 Mac OS X Setup Wizard
Email Notifications	Sends system messages via email to the system administrator
SNMP Trap	System information trap out
<b>Mobile Applications (iOS/Android)</b>	
T- Dashboard	Mobile monitoring and administration (via module)
ThecusShare™	Uploading, downloading, and streaming multimedia
Thecus-Disk™	Manage files and folders on Thecus NAS, playback audio and video media, and view photos and documents
<b>Others</b>	
Recycle Bin	Supported
Web Disk	Supported (via module)
Web Server	Supported (via module)
ISO Mount	Supported
User/System Module	Supported
IP Cam Surveillance	Supports up to 10 IP cameras (via module)
Auto Module Installation	Thecus’s module server automatically provides the latest modules and updates through the user interface

\* The Intel 945 chipset can decode 4GB of DRAM, but the BIOS cannot expose all of 4GB to the OS because the chipset is limited to a

maximum 4GB address space; and **does not support memory remapping**. Memory that is above 3GB is reserved for hardware in order to function, and thus cannot be used for addressing RAM (two different things cannot utilize the same physical address). **This is a hardware limit of the Intel chipset.**