

THE SUPERIOR ENTERPRISE STORAGE CENTER

10Gb Ethernet for transfer speeds
Over 1150MB/s



N8900PRO
80TB Capacity

N16000PRO
160TB Capacity

N12000PRO
120TB Capacity



VMware ESXi 5.5 Certified



Acronis

- **HA System Redundancy** with 10GbE aggregation
- **RAID 0 to 60** and JBOD supported
- **Real-time remote replication** and **System Disaster Recovery**
- **AES-NI** instruction set included for improved performance and security
- Massive expansion possible using cost-effective **Daisy-Chaining** with four Thecus[®] D16000 NAS
- **iSCSI LUN** and **Thin-Provisioning** supported
- Capable of 7 modes of **link aggregation**
- **Bundled with FREE Acronis[®] and Antivirus**

N8900PRO/N12000PRO/N16000PRO

Specifications

Hardware Platform

- Processor**
- Intel® Xeon® E3-1275 (3.4GHz Quad Core)
- System Memory**
- 8GB DDR3 SDRAM
- LAN Interface (PCI-e)**
- RJ-45x3: Intel 82574L 10/100/1000 BASE-TX Auto MDI/MDI-X
 - WOL supported
- USB Interface**
- USB 2.0 host port x6 (front x2, back x4) (Type A)
 - USB 3.0 host port x2 (back x2)
- OLED**
- Displays system status and information (Multilingual)
- HDMI Output**
- HDMI port (back x1)
- Audio**
- MIC input, Line input, Audio output
- 10GbE NIC**
- Optional x3
- Disk Interface**
- 8 x SATA/SAS for internal, support SATA II / SATA III hard disk, 1 x eSATA for external (N8900PRO)
 - 12 x SATA/SAS for internal, support SATA II / SATA III hard disk, 1 x eSATA for external (N12000PRO)
 - 16 x SATA/SAS for internal, support SATA II / SATA III hard disk, 2 x eSATA for external (N16000PRO)
- Power Supply**
- Redundant power supply 500W or more (80plus) (N8900PRO)
 - Redundant power supply 700W or more (80plus) (N12000PRO/N16000PRO)
- System Fan**
- Hot swappable (x2) (N8900PRO)
 - Hot swappable (x4) (N12000PRO/N16000PRO)
- Buttons**
- Power button (Front, shutdown controlled by user interface)
 - LCM button (ENT, ESC, UP, DOWN)
 - System reset button
 - Locator button
- RS232**
- 1 (For UPS)
- Environment**
- Temperature: 0°C to 40°C (Operation) -40°C to 70°C (Non-operation)
 - Humidity: 0 ~ 80 % R.H. (Non-condensing)
- Chassis**
- 2U Rack mount (N8900PRO/N12000PRO)
 - 3U Rack mount (N16000PRO)
- Dimensions (HxWxD)**
- 87 x 438 x 595 (mm)/3.43 x 17.22 x 23.43 (in) (N8900PRO)
 - 89 x 440 x 662 (mm)/3.5 x 17.3 x 26.06 (in) (N12000PRO)
 - 133 x 440 x 662 (mm)/5.24 x 17.3 x 26.06 (in) (N16000PRO)
- Weight**
- 16.67 (Kgs)/36.75(lb) (N8900PRO)
 - 26.39 (Kgs)/58.18(lb) (N12000PRO)
 - 29.38 (Kgs)/64.77(lb) (N16000PRO)
- Certificates**
- CE/FCC/C-Tick/VCCI/BSMI
 - RoHS
 - WEEE
 - VMware, Citrix

Software Functions

- RAID**
- RAID Modes: RAID 0, 1, 5, 6, 10, 50, 60 and JBOD
 - Auto-rebuild: Supported
 - Hot-swap: Supported
 - Dedicated Hot Spare: Supported
 - Global Hot Spare: Supported
 - RAID Level Migration: Supported
 - RAID Expansion: Supported
 - RAID Volume Encryption: AES256bit
- Disk**
- Power Management: Available spin-down on idle setting
 - Bad Block Scanning: Supported
 - SMART Info: Supported
 - SMART Test: Supported
 - Disk Roaming: Supports volume-based roaming to other Thcus NAS (require OS5 64bit)
 - Disk Wipe and Clone: Supported
- Network**
- 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, Broadcast
 - TCP/IP: IPV6 & IPV4
 - DDNS: Supported
 - SSH: Supported
 - UPnP: Supported
 - UPnP Port forwarding: Supported
 - Bonjour: Supported
 - VPN Server: Supported
 - vLan: Supported
- System Status**
- System Monitor: Monitoring CPU, memory, network utilization and protocols access user count
 - Syslog Management:
 - Send syslog to assigned location
 - Act as syslog server to receive log info from other systems
- Data Access**
- 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)
- WebDAV/WebDAV SSL: Supported**
- Printer Server (IPP):**
- Supports USB printers
 - Supports a wide range of IPP printers
 - Client can manage print tasks (list/delete) via web user interface
- Data Backup**
- Client Incremental Data Backup & Client System Disaster Recovery (N8900PRO): Acronis True Image (OEM version)
 - Client Incremental Data Backup & Client System Disaster Recovery (N12000PRO/N16000PRO): Acronis Backup and Recovery Server OEM for Windows (license x5)
 - Data Burn:
 - Create files to ISO image and burn to optical disc
 - Create files to ISO image
 - Read ISO image from optical disc and write to NAS
 - Mac OS X Time Machine: Supported
 - Data Guard: Remote Backup/Local Backup/Folder and iSCSI volume based
 - Snapshot: Supported (Btrfs)
 - High Availability: Supported
- Block Level Access**
- iSCSI Target/Initiator: Supports Microsoft/Mac OS X/Linux initiators and Thcus NAS targets
 - iSCSI Thin Provisioning: Supported
 - MPIO: Supported
 - MCS: Supported
 - Clustering: Supported
 - SCSI3 Persistent Group Reservation: Supported
- Power Management**
- Scheduled Power On/Off: Supported
- Volume Management**
- Multiple RAID: Supported
 - Multiple File System Selectable: EXT3/EXT4/XFS/Btrfs
- Multimedia Support**
- iTunes Server: Supports AAC, MP3 w/ID3 tag and WAV
 - Piczza!™ Photo Server (via module):
 - Supports GIF, JPG (JPEG), BMP and PNG
 - Supports EXIF display
 - Supports slide show
 - Media Server: Supports uPnP AV streaming protocol (via module)
- User Authentication**
- Local User: Supports built-in user accounts
 - Local Group: Supports built-in user groups
 - Windows ADS: Supported
 - LDAP: Supported
 - Access Guard: Supports Black & White list/IP Filter
- Cloud Backup**
- DropBox: Supported (via module)
 - ElephantDriver: Supported (via module)
 - Amazon S3: Supported
- File System**
- 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 (exclude btrfs)
 - Folder Quota: Supported (Btrfs only)
- Administration**
- User Interface: Web-based user interface supports English, Traditional Chinese, Simplified Chinese, Japanese, Korean, French, German, Italian, Spanish, Russian, Polish, Portuguese, Turkish and Czech
 - Utility Program: MS Windows Setup Wizard Supports Windows XP and after Mac OS X Setup Wizard
 - Email Notifications: Sends system messages via email to the system administrator
 - SNMP Trap: System information trap out
- Mobile Applications (iOS/Android)**
- T-OnTheGo™: Upload, download and stream multimedia
 - Orbweb.me: Uploading, downloading, streaming multimedia and webcam via P2P connection
- Data Security**
- Antivirus: Supported (via module)
- Capacity Expansion**
- Stackable: Can extend for 5 additional iSCSI volumes from other Thcus NAS
 - Daisy Chain: Allowed to daisy chain to an additional 4 sets of Thcus D16000
 - Expand through SAS wide port Interface:
 - Can be configured as multi-independent RAID volume
 - Can join to existed RAID volume
- Others**
- Dual DOM Supported
 - Recycling Bin: Supported
 - Web Disk: Supported (via module)
 - Web Server: Supported (via module)
 - ISO Mount: Supported
 - User Access Log: Supported
 - User/System Module: Supported
 - IP Cam Surveillance: Supports up to 10 IP cameras (via module)
 - Auto Module Installation: Thcus' module server automatically provides the latest modules and updates through the user interface
 - UPS: Supported through USB interface
 - Local Display: X-Window via HDMI output

Email: sales@thcus.com

Official Website: www.thcus.com

For Windows NAS: wss.thcus.com


Reseller Center: www.thcus.com/reseller_index.php


NAS App Center: www.thcus.com/sp_app_center.php

 Facebook: www.facebook.com/Thcus

 Forum: forum.thcus.com

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 YouTube: www.youtube.com/thcusstorage

 Blog: blog.thcus.com

Retail/Reseller Information