

**Thecus<sup>®</sup>**  
Subsidiary of Innoconn

**www.Thecus.com**

**Official Website:** [www.thecus.com](http://www.thecus.com)

**For Windows NAS:** [wss.thecus.com](http://wss.thecus.com)

**Reseller Center:** [www.thecus.com/reseller\\_index.php](http://www.thecus.com/reseller_index.php)

**NAS App Center:** [www.thecus.com/sp\\_app\\_center.php](http://www.thecus.com/sp_app_center.php)

**Email:** [sales@thecus.com](mailto:sales@thecus.com)

**Facebook:** [www.facebook.com/Thecus](http://www.facebook.com/Thecus)

**Forum:** [forum.thecus.com](http://forum.thecus.com)

**Twitter:** [twitter.com/Thecus\\_Storage](http://twitter.com/Thecus_Storage)

**RSS:** [www.thecus.com/rss\\_news.php](http://www.thecus.com/rss_news.php)

**YouTube:** [www.youtube.com/thecusstorage](http://www.youtube.com/thecusstorage)

**Blog:** [blog.thecus.com](http://blog.thecus.com)

Retail/Reseller Information

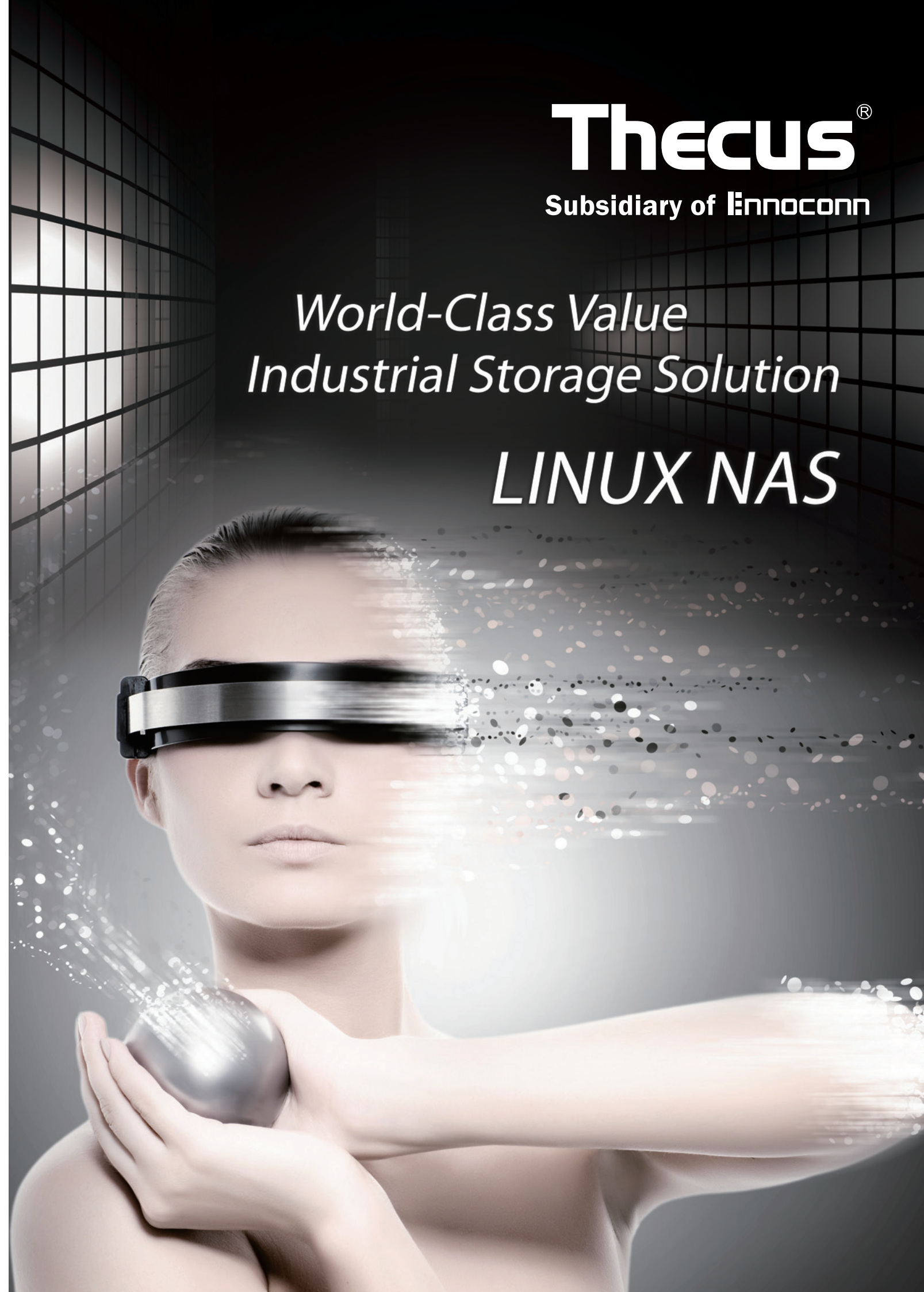
Design and specifications are subject to change without prior notice. Copyright © 2016 Thecus Technology Corp. All rights reserved.



**Thecus<sup>®</sup>**  
Subsidiary of Innoconn

*World-Class Value  
Industrial Storage Solution*

**LINUX NAS**



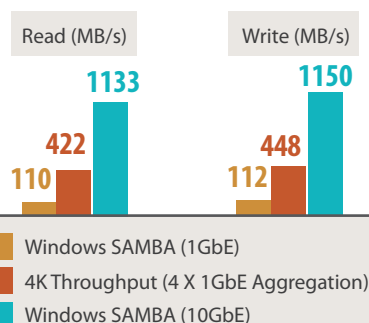
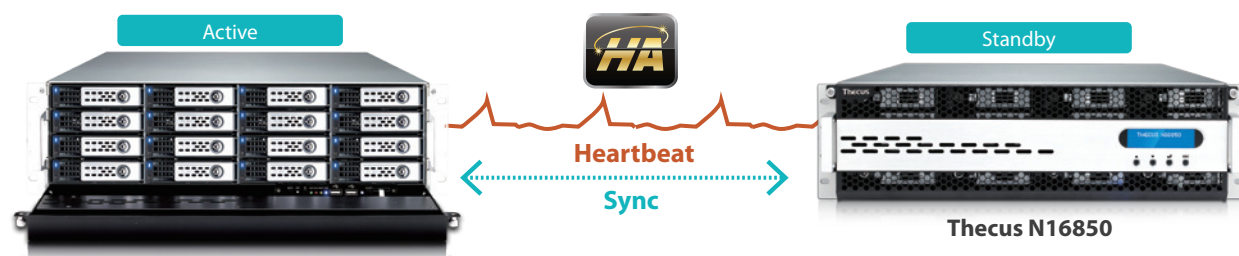


# Rapid Performing Storage Server

# Great Scalability for Big Data

## Perfect Operational Performance HA System Redundancy

Running two NAS side by side, HA keeps both up to date and ready to run any and all data functions. These NAS clones automatically synchronize their content through a "Heartbeat" connection. If one NAS has a problem, not only will you be able to fix it without data loss using the protection of RAID and other Thecus® backup methods, the healthy backup NAS will take the reins and ensure continuous data service even in the face of hardware failure.



## Faster Transfers 10GbE Ethernet & 7 Modes of Link Aggregation

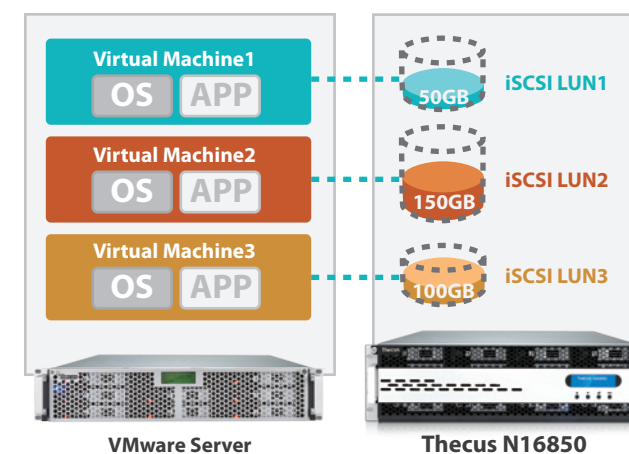
With a built-in PCI-e slot, business users can easily add a 10G Ethernet adaptor for lightning fast transfer speeds, proving again that Thecus NAS are designed to satisfy the toughest needs of today and tomorrow. Link aggregation is a method used to **bond multiple links between your NAS and your switch to optimize your connection, increasing your network's capacity** while maintaining a stable transmission speed. Employing link aggregation will optimize resource utilization, maximize throughput, minimize response time, and help in avoiding overload. Thecus NAS support 7 'flavors' of link aggregation: Load Balance, Failover, 802.3ad, Balance-XOR, Balance-TLB, Balance-ALB, and Broadcast.

## Uninterrupted Accessibility Thecus System Failover

**The Thecus System Failover feature is a fault tolerance process that creates mirrored data volumes.** With at least two Thecus NAS available, data is copied by scheduled backups and all changes are mirrored between the two NAS. In the event of a power or network failure, a scheduled maintenance, or other unforeseen circumstances, System Failover automatically redirects operations to the secondary Thecus NAS, which then acts as the primary NAS.

## Advanced Virtualization with VMWare ESXi 6.0 Certified

With a VMware® Ready certified Thecus NAS, business users can utilize their NAS together with VMware® servers to build virtual infrastructure and create virtual machines (VMs). On virtual machines, different operating systems can be set up and numerous applications can be installed on each OS so as to carry out various tasks. A Thecus NAS with a VMware® server will form a unified pool of resources that can be used by VMs to run applications. Compared with traditional single servers with single sets of applications models, virtual infrastructures significantly reduce operating costs, lower electricity consumption, and increase overall hardware resource utilization. The Thecus enterprise line also includes Citrix Ready and Certified for Windows Server® 2008 R2 solutions.



vmware  
READY

CITRIX  
ready

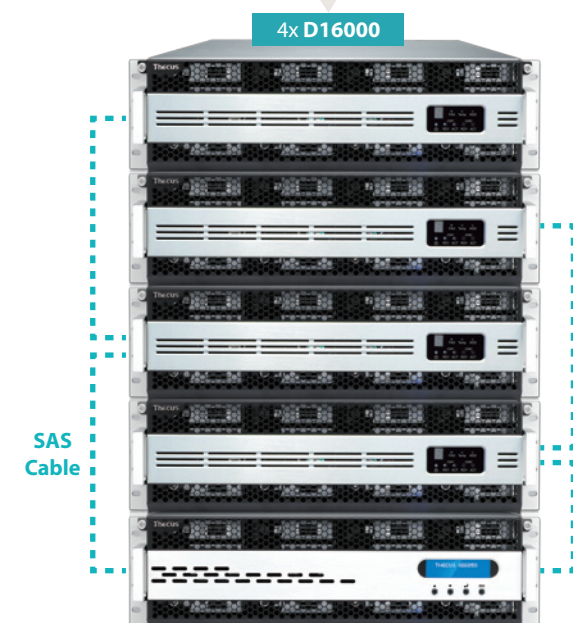
CERTIFIED FOR  
Windows  
Server® 2008 R2

**VMware 6.0** brings many powerful virtual computing features to Thecus NAS users, including easier and more powerful snapshots and cloning, functionality for simpler handling of multiple virtual machines, improved networking performance, and support for even more host and guest operating systems.

Citrix® XenServer™ is the only enterprise-class, cloud-proven server virtualization platform that delivers critical features such as live migration and centralized multi-server management at no cost.

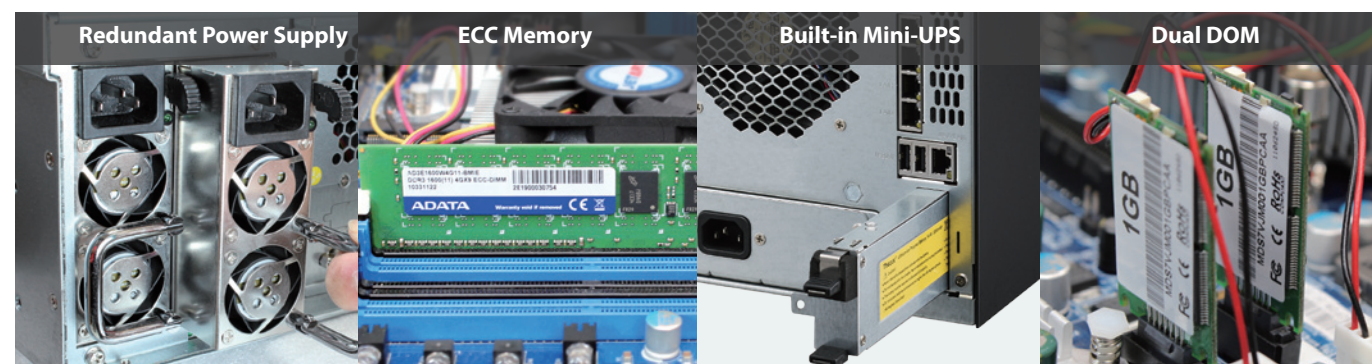
Designed for line-of-business and mission-critical applications, the Certified for Windows Server 2008 R2 logo demonstrates that Thecus enterprise solution meets Microsoft's highest technical bar for stability, security, reliability, availability, Windows fundamentals, and platform compatibility.

$$10\text{TB HDD} \times 16 \text{ Bays} \times 5 \text{ Units} = 800\text{TB Capacity}$$



## Massive Expansion Possible using Cost-Effective Daisy-Chaining

With daisy chaining, users now have the ability to **cost effectively increase their storage volume while maintaining fast transfers.** To set up a daisy chain, one master NAS unit is installed as a controller with up to four DAS linked as slaves. SAS cables are then used to link the units together in order to ensure rapid speeds. The ability to reach tremendous capacities while saving nearly 30% on hardware costs (versus traditional storage architecture) is something truly groundbreaking in the industry.





## VPN Connection

A VPN Server allows users to remotely access a secure network. With VPNs, businesses will be able to utilize a cost-effective, scalable and secured network infrastructure for its client base.

## Real-time Remote Replication

This innovative backup feature allows users to back up files instantly to their NAS, external hard drive, or remote NAS. RTRR saves you time as it is able to back up data immediately and automatically.

## Free Acronis Software

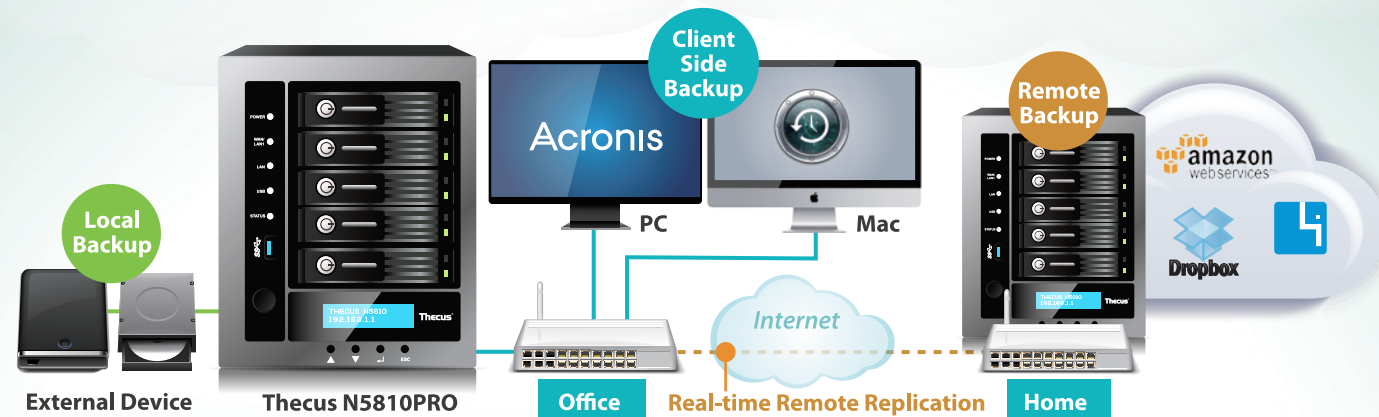
Acronis sports a slick interface, user-friendly design, and comprehensive features designed to keep your data safe.

## Dropbox/Amazon S3/ElephantDrive

Guard your data with an additional Level of protection in the cloud. Just drag and drop files into the folder on your NAS and access them on any computer or mobile device with DropBox, Amazon S3 or ElephantDrive.

## Easy Recovery with Snapshot

Through BTRFS subvolumes, snapshots of data at various time points can be manually or automatically made and just as easily later restored to rollback files or folders to previous states.



# Reliable Data Protection

## Bundled with Free Intel Security

Thcus allow users the benefit of Intel Security's powerful software on their NAS entirely for free. The antivirus **provide the necessary software protection by scanning the files on your NAS** and defending it against possible threats.



## P2P Connectivity Orbweb.me App

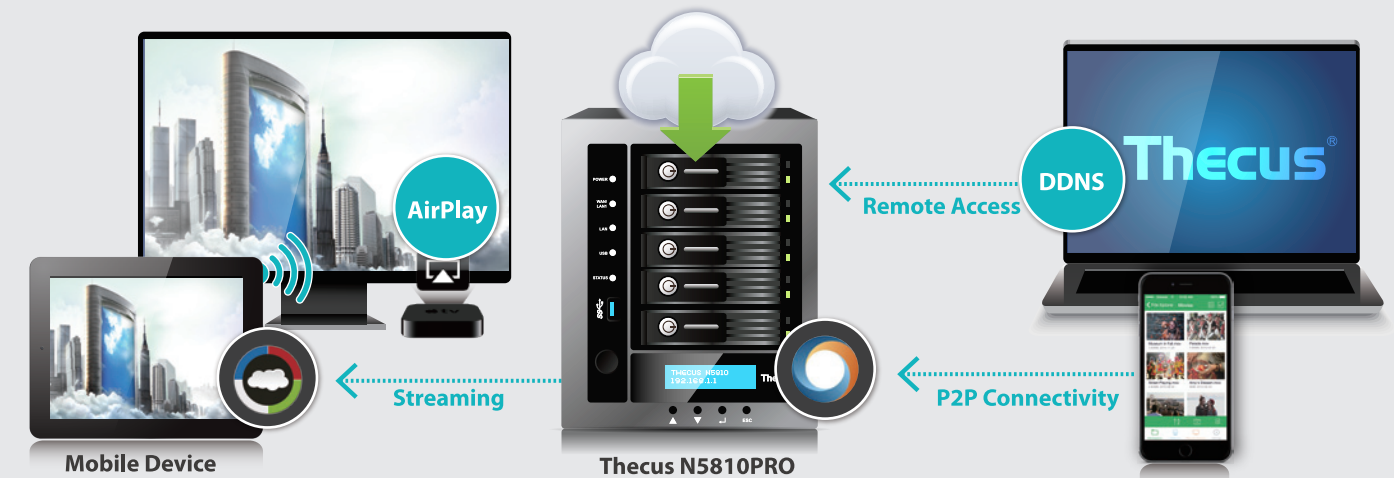
Enjoy an always accessible cloud experience. Orbweb.me is a P2P module that allows users to easily view, stream and manage files in their NAS anytime and anywhere. No IP address is required. Besides that, Orbweb4.0 offers several features including webcam monitoring, timeline view and snapshot.

## Download Center Built in BitTorrent Client

Download a lot of files? The native BitTorrent client allows you to download BitTorrent files directly to your Thcus NAS. The extra capacity available on your Thcus NAS will store all your BitTorrent files while making use of its independent computing power to keep your computer running smoothly.

## Remote Access DDNS Supported

DDNS provides convenient remote access to your Thcus NAS by utilizing domain names instead of IP digits. When the IP address is changed, the DDNS server will automatically adjust your address to make sure that remote access is always available.



# Thcus® Very Own Cloud

## Thcus T-OnTheGo App

We're a mobile society, and our NAS solutions are keeping up! Thcus's T-OnTheGo™ smartphone app enables users to access, copy, stream, and edit any data between their NAS and mobile device. Your own personal cloud, available from anywhere with internet access.

## Media Streaming: The Best Media Player on Earth

Play videos directly from your Thcus NAS. Supports for external subtitles SRT files and embedded subtitles

## Photo Sync: Free Your Mobile Storage

The Photo Sync function allows mobile devices to automatically upload photos to your NAS. No matter where you're traveling to, there's no need to worry about the storage capacity of your phone.

## Share Link: Share Your Private Files Anywhere

Share files or folders from your NAS using HTML links. Friends can now directly download from your NAS with a simple click of the mouse.



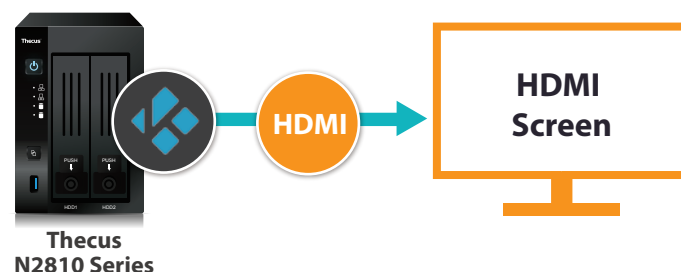


# Thecus® Multimedia Data Center

**4K  
ULTRAHD**

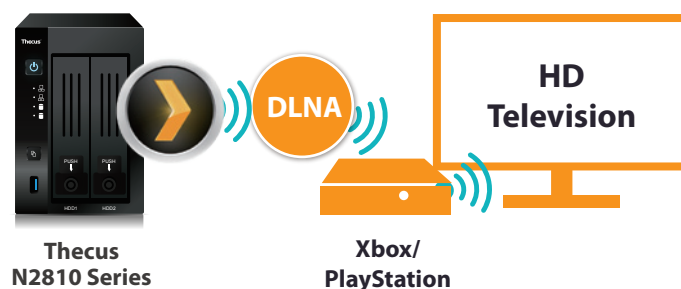
## Direct Media File Playback Built-in HDMI Output

Transform your NAS into the ultimate multimedia hub! Thecus® NAS integrated HDMI output allows you to connect your NAS directly to your TV for direct device management and multimedia playback.



## Media Streaming to XBOX360/PS4 Plex Media Server

The Plex Media Server is a module available on the Thecus® App Center that allows you to set up and manage your media. With the Plex Media Server installed on your Thecus® NAS, various devices on your network (such as your Xbox 360 and mobile devices) can connect to and stream your local and online media. The server can also automatically assemble iTunes, iPhoto, and Aperture content. From your favorite videos to your mountains of music, Plex makes it easy to manage and enjoy all of your media on your Thecus NAS.



## TV Streaming Apple TV/Chromecast

Thecus NAS allow you to have your very own entertainment hub wherever you go. With TV streaming support and mobile apps, you can share all your favorite photos, music, and videos.



## Optimize Multitasking Seamless 4K Multimedia Playback

The N2810 series is equipped with the newest generation Intel Braswell processors. Furthermore the N2810 series supports AES-NI encryption engine for increased performance and enhanced security. The N2810 series steps up to the challenges that 4K playback creates and provides a robust hardware platform that is able to handle multiple tasks with ease.



## Enhanced Multimedia Capabilities Thecus Photo Center

ThecusOS 7 allows users to centrally access and manage multimedia and offers media streaming via HDMI, VGA, Chromecast, and USB devices. With the new Photo Station, users are given a convenient, centralized hub to upload, store, browse and share images.



## Optimized Storage Management Thecus File Center

The integration of the File Center feature provides a centralized portal for users to manage their data. Users can create personal user profiles to manage their data and administrators can control access rights. Sharing is made easy through URL or QR code and can be password protected. The addition of SSD cache provides increased performance and efficiency to the system.


















## Streamlined Application Use Thecus App Center










Incorporating the App Center in ThecusOS 7 allows users access to hundreds of official and 3rd party apps available on Thecus NAS directly from the user interface. The Thecus App Center offers a host of utilities for users for backup, security, file management, cloud services, and much more.

# The Newly-designed ThecusOS™ 7.0





Large Business															
	N16910SAS	N16850	N16000PRO	N12910SAS	N12910	N12850	N12850L	N12850RU	N12000PRO	N8910	N8900PRO	N10850	N8850	N6850	N8880U-10G
															
Processor	Intel® Xeon® E3-1245 v5 (3.5GHz Quad Core)	Intel® Xeon® E3-1231 v3 (3.4GHz Quad Core)	Intel® Xeon® E3-1275 (3.4GHz Quad Core)	Intel® Xeon® E3-1245 v5 (3.5GHz Quad Core)	Intel® Core™ i3-6100 (3.7GHz Dual Core)	Intel® Xeon® E3-1231 (3.4GHz Quad Core)	Intel® Core™ i3-4170 (3M Cache, 3.70 GHz)	Intel® Xeon® E3-1225 v3 (8M Cache, 3.20 GHz)	Intel® Xeon® E3-1275 (3.4GHz Quad Core)	Intel® Core™ i3-6100 (3.7GHz Dual Core)	Intel® Xeon® E3-1275 (3.4GHz Quad Core)	Intel® Xeon® E3-1225 (3.1GHz Quad Core)	Intel® Core™ i3 2120 (3.3GHz Dual Core)	Intel® Pentium® G620 (2.6GHz Dual Core)	Intel® Core i3-2120 (3.3GHz Dual Core)
System Memory	16GB DDR4 ECC SDRAM	16GB DDR3 ECC SDRAM	8GB DDR3 SDRAM	16GB DDR4 ECC SDRAM	4GB DDR4 ECC SDRAM	16GB DDR3 ECC SDRAM	4GB DDR3 ECC SDRAM	4GB DDR3 ECC SDRAM	8GB DDR3 SDRAM	4GB DDR4 SDRAM	8GB DDR3 SDRAM	4GB DDR3 SDRAM	4GB DDR3 SDRAM	2GB DDR3 SDRAM	4GB DDR3 ECC
Number of Bays	16	16	16	12	12	12	12	12	12	8	8	10	8	6	8
Redundant Power Supply	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	-	-	-	YES
Dual DOM	-	-	YES	-	-	-	-	-	YES	-	YES	-	-	-	-
Supported HDD Interfaces	SATAIII¹/SATAII/SATA/SSD/SAS	SATAIII¹/SATAII/SATA/SSD/SAS	SATAIII¹/SATAII/SATA/SSD/SAS	SATAIII¹/SATAII/SATA/SSD/SAS	SATAIII¹/SATAII/SATA/SSD	SATAIII¹/SATAII/SATA/SSD/SAS	SATAIII¹/SATAII/SATA/SSD	SATAIII¹/SATAII/SATA/SSD	SATAIII¹/SATAII/SATA/SSD/SAS	SATAIII¹/SATAII/SATA/SSD	SATAIII¹/SATAII/SATA/SSD/SAS	SATAIII¹/SATAII/SATA/SSD	SATAIII¹/SATAII/SATA/SSD	SATAIII¹/SATAII/SATA/SSD	SATAIII¹/SATAII/SATA/SSD
External eSATA Ports	-	-	2	-	-	-	-	-	1	-	1	1	1	1	-
LAN Ports (Gigabit)	2	4	3	2	2	4	4	4	3	2	3	2	2	2	2
USB 3.0/USB 2.0 Ports	4/2	2/4	2/6	4/2	4/2	2/4	2/4	4/4	2/6	4/2	2/6	4/4	4/4	4/4	2/6
Multimedia Ports	HDMI/VGA/DVI/Audio (5+1)/SPDIF	VGA	HDMI/MIC Input/Line Input/Audio Output	HDMI/VGA/DVI/Audio (5+1)/SPDIF	HDMI/VGA/DVI/Audio (5+1)/SPDIF	VGA	VGA	VGA	HDMI/MIC Input/Line Input/Audio Output	HDMI/VGA/DVI/Audio (5+1)/SPDIF	HDMI/MIC Input/Line Input/Audio Output	HDMI/MIC Input/Line Input/Audio Output	HDMI/MIC Input/Line Input/Audio Output	HDMI/MIC Input/Line Input/Audio Output	HDMI/VGA
10GbE NIC	Included x2	Optional x4	Optional x3	Optional	Optional	Optional x4	Optional x4	Optional x4	Optional x3	Optional	Optional x3	Optional x2	Optional x2	Optional x2	Included x1
RAID	RAID 0, 1, 5, 6, 10, 50, 60, JBOD	RAID 0, 1, 5, 6, 10, 50, 60, JBOD	RAID 0, 1, 5, 6, 10, 50, 60, JBOD	RAID 0, 1, 5, 6, 10, 50, 60, JBOD	RAID 0, 1, 5, 6, 10, 50, 60, JBOD	RAID 0, 1, 5, 6, 10, 50, 60, JBOD	RAID 0, 1, 5, 6, 10, 50, 60, JBOD	RAID 0, 1, 5, 6, 10, 50, 60, JBOD	RAID 0, 1, 5, 6, 10, 50, 60, JBOD	RAID 0, 1, 5, 6, 10, 50, 60, JBOD	RAID 0, 1, 5, 6, 10, 50, 60, JBOD	RAID 0, 1, 5, 6, 10, 50, 60, JBOD	RAID 0, 1, 5, 6, 10, 50, 60, JBOD	RAID 0, 1, 5, 6, 10, 50, JBOD	RAID 0, 1, 5, 6, 10, 50, 60, JBOD
Supported File Systems	EXT4/XFS/Btrfs	EXT3/EXT4/XFS/Btrfs	EXT3/EXT4/XFS/Btrfs	EXT3/EXT4/XFS/Btrfs	EXT4/XFS/Btrfs	EXT3/EXT4/XFS/Btrfs	EXT3/EXT4/XFS/Btrfs	EXT3/EXT4/XFS/Btrfs	EXT3/EXT4/XFS/Btrfs	EXT4/XFS/Btrfs	EXT3/EXT4/XFS/Btrfs	EXT3/EXT4/XFS/Btrfs	EXT3/EXT4/XFS/Btrfs	EXT3/EXT4/XFS/Btrfs	EXT3/EXT4/XFS/Btrfs
Intel Security	✔	✔	✔	✔	✔	✔	✔	-	✔	✔	✔	✔	✔	✔	✔
Acronis True Image (OEM)	Acronis Server x1	Acronis Server x1	Acronis Server x5	Acronis Server x1	✔	Acronis Server x1	✔	-	Acronis Server x5	✔	✔	✔	✔	✔	✔
Additionaln functions	Daisy Chain/HA	Volume Expansion/Daisy Chain/HA	Volume Expansion/Daisy Chain/HA	Daisy Chain/HA	HA	Volume Expansion/Daisy Chain/HA	Volume Expansion/HA	Volume Expansion/HA	Volume Expansion/Daisy Chain/HA	HA	Volume Expansion/Daisy Chain/HA	Touch Panel	Touch Panel	Touch Panel	-
Performance	TBD	TBD	Read: 110.2MB/s Write: 112.56MB/s	TBD	TBD	TBD	TBD	TBD	Read: 110.2MB/s Write: 112.56MB/s	TBD	Read: 111.34MB/s Write: 113.16MB/s	Read: 113.68MB/s Write: 115.35MB/s	Read: 111.34MB/s Write: 113.16MB/s	Read: 103.75MB/s Write: 112.96MB/s	TBD
Power Consumption	TBD	TBD	Standby: 185W	TBD	TBD	TBD	TBD	TBD	Standby: 168W	TBD	Standby: 132W	Standby: 108W	Standby: 98W	Standby: 78W	TBD
Dimensions (mm) (HxWxD)	133 x 440 x 662 (3U)	133 x 440 x 662 (3U)	133 x 440 x 662 (3U)	89 x 440 x 662 (2U)	89 x 440 x 662 (2U)	89 x 440 x 662 (2U)	89 x 440 x 662 (2U)	89 x 440 x 662 (2U)	89 x 440 x 662 (2U)	89 x 440 x 662 (2U)	87 x 437.5 x 595 (2U)	435.4 x 235 x 282.6	380.4 x 235 x 282.6	320.4 x 215 x 282.6	90 x 428 x 586 (2U)
Weight (Kgs)	TBD	29.38	29.38	TBD	TBD	26.39	26.39	26.39	26.39	26.39	16.67	12.29	11.6	9.77	23.29

SMB-Rackmount					SMB-Tower										SOHO/Home	DAS
N8880U	N8810U Series	N4910U-R/S	N4510U PRO-R/S		N7770-10G	N7770	N7710 Series	N5810PRO	N5810	N4810	N2810PRO	N2810PLUS	N2810	N2310		D16000
																
Processor	Intel® Core i3-2120 (3.3GHz Dual Core)	Intel® Pentium G850 (2.9GHz Dual Core)	Intel® Core™ i3-6100 (3.7GHz Dual Core)	Intel® Atom D2701 (2.13GHz Dual Core)	Intel® Core i3-2120 (3.3GHz Dual Core)	Intel® Core i3-2120 (3.3GHz Dual Core)	Intel® Pentium G850 (2.9GHz Dual Core)	Intel® Celeron™ J1900 (2GHz Quad-Core)	Intel® Celeron™ J1900 (2GHz Quad-Core)	Intel® Celeron™ N3160 (1.6GHz Quad-Core)	Intel® Celeron™ N3160 (1.6GHz Quad-Core)	Intel® Celeron™ N3150 (1.6GHz Quad-Core)	Intel® Celeron™ N3050 (1.6GHz Dual-Core)	AMCC APM 86491 (800MHz)	<div>Allows 2 DAS to be added to each of the two ports available on the HBA Host card, for a total of 4 DAS. Up to 64 Disks.</div> <div>*Additional LSI SAS 9200-8e HBA card is required – extra LSI HBA card must be installed on your Thcus NAS to Daisy-Chain with D16000 unit.</div> <div>Expansion Interface: One 4x miniSAS (6Gb/s)</div> <div>Host Interface: One 4x miniSAS (6Gb/s)</div> <div>RAID Controller: JBOD Single Controller</div> <div>Disk Interface: SAS/SATA 6G</div>	
System Memory	4GB DDR3 ECC	4GB DDR3 ECC	4GB DDR4 ECC	2GB DDR3 SDRAM	4GB DDR3 ECC	4GB DDR3 ECC	4GB DDR3 ECC	4GB DDR3 SDRAM	4GB DDR3 SDRAM	4GB DDR3 SDRAM	4GB DDR3 SDRAM	4GB DDR3 SDRAM	2GB DDR3 SDRAM	512MB DDR3 SDRAM		
Number of Bays	8	8	4	4	7	7	7	5	5	4	2	2	2	2		
Redundant Power Supply	YES	YES	YES (N4910U-R)	YES (N4510U PRO-R)	-	-	-	-	-	-	-	-	-	-		
Dual DOM	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Supported HDD Interfaces	SATAIII¹/SATAII/SATA/SSD	SATAIII¹/SATAII/SATA/SSD	SATAIII¹/SATAII/SATA/SSD	SATAIII¹/SATAII/SATA/SSD	SATAIII¹/SATAII/SATA/SSD	SATAIII¹/SATAII/SATA/SSD	SATAIII¹/SATAII/SATA/SSD	SATAIII¹/SATAII/SATA	SATAIII¹/SATAII/SATA	SATAIII¹/SATAII/SATA	SATAIII¹/SATAII/SATA	SATAIII¹/SATAII/SATA	SATAIII¹/SATAII/SATA	SATAIII¹/SATAII/SATA		
External eSATA Ports	-	-	-	1	-	-	-	-	-	-	-	-	-	-		
LAN Ports (Gigabit)	2	2	2	2	2	2	2	5	2	2	2	2	2	1		
USB 3.0/USB 2.0 Ports	2/6	2/6	4/1	2/4	2/6	2/6	2/6	3/2	3/2	4/0	3/-	3/-	3/-	1/1		
Multimedia Ports	HDMI/VGA	HDMI/VGA	HDMI/VGA/MIC Input/Line Input/Audio Output	HDMI/VGA/MIC Input/Line Input/Audio Output	HDMI/VGA	HDMI/VGA	HDMI/VGA	HDMI/Audio Output	HDMI/Audio Output	HDMI/DP/SPDIF	HDMI/DP/SPDIF	HDMI	HDMI	-		
10GbE NIC	Optional	Included x1 (N8810U-G)	Optional	-	Included x1	Optional	Included x1 (N7710-G)	-	-	-	-	-	-	-		
RAID	RAID 0, 1, 5, 6, 10, 50, 60, JBOD	RAID 0, 1, 5, 6, 10, 50, 60, JBOD	RAID 0, 1, 5, 6, 10, JBOD	RAID 0, 1, 5, 6, 10, JBOD	RAID 0, 1, 5, 6, 10, 50, JBOD	RAID 0, 1, 5, 6, 10, 50, JBOD	RAID 0, 1, 5, 6, 10, 50, JBOD	RAID 0, 1, 5, 6, 10, JBOD	RAID 0, 1, 5, 6, 10, JBOD	RAID 0, 1, 5, 6, 10, JBOD	RAID 0, 1, JBOD	RAID 0, 1, JBOD	RAID 0, 1, JBOD	RAID 0, 1, JBOD		
Supported File Systems	EXT3/EXT4/XFS/Btrfs	EXT3/EXT4/XFS/Btrfs	EXT4/XFS/Btrfs	EXT3/EXT4/XFS/Btrfs	EXT3/EXT4/XFS/Btrfs	EXT3/EXT4/XFS/Btrfs	EXT3/EXT4/XFS/Btrfs	EXT4/XFS/Btrfs	EXT4/XFS/Btrfs	EXT4/XFS/Btrfs	EXT4/XFS/Btrfs	EXT4/XFS/Btrfs	EXT4/XFS/Btrfs	EXT4/XFS/Btrfs		
Intel Security	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-		
Acronis True Image (OEM)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-		
Additionaln functions	-	-	-	-	-	-	-	Mini-UPS	-	-	-	-	-	Self-RAID Creation		
Performance	TBD	Read: 500+MB/s, Write: 570+MB/s (N8810U-G) Read: 110.75MB/s, Write: 113.96MB/s (N8810U)	TBD	Read: 112.27MB/s Write: 113.07MB/s	TBD	TBD	Read: 500+MB/s, Write: 570+MB/s (N7710-G) Read: 110.75MB/s, Write: 113.96MB/s (N7710)	Read: 546.82MB/s Write: 441.99MB/s²	Read: 112.85MB/s Write: 113.18MB/s	TBD	Read: 105.43MB/s Write: 113.05MB/s	Read: 105.43MB/s Write: 113.05MB/s	Read: 105.43MB/s Write: 113.05MB/s	Read: 100MB/s Write: 80MB/s		
Power Consumption	TBD	Standby: 51.8W (N8810U-G) Standby: 43.2W (N8810U)	TBD	Standby: 32W	TBD	TBD	Standby: 44.2W (N7710-G) Standby: 37.1W (N7710)	Standby: 25.6W	Standby: 25.6W	TBD	Standby: 8.25W	Standby: 8.25W	Standby: 8.25W	Standby: 15.9W		
Dimensions (mm) (HxWxD)	90 x 428 x 586 (2U)	90 x 428 x 586 (2U)	44 x 432.5 x 552 (1U)(R) 44 x 432.5 x 492 (1U)(S)	44 x 432.5 x 552 (1U)(R) 44 x 432.5 x 492 (1U)(S)	320 x 210 x 270	320 x 210 x 270	320 x 210 x 270	230 x 190 x 240	230 x 190 x 240	192 x 172 x 250	146 x 102 x 213	146 x 102 x 213	146 x 102 x 213	135 x 97 x 207		
Weight (Kgs)	23.29	23.29	TBD	17.14(N4510U PRO-R) 13.15(N4510U PRO-S)	10.42	10.42	10.42	5.46	5.09	3.63	1.76	1.76	1.76	0.79		

¹ Compatible with SATAIII HDD. ² Utilizing 5 LAN. ³ N16910SAS/N12910SAS will be available in Q3 2016.

\*Design and specifications are subject to change without prior notice.





# Thecus® Storage Solutions for All Your Needs Featuring the Latest Intel® Processors

Intel® Processors	Features	Thecus Model
Intel® Xeon® Processor E3 Family 	<ul style="list-style-type: none"><li>• Optimum reliability, availability and serviceability (RAS)</li><li>• Smart investment for maximum productivity</li><li>• Suited for medium and large business use</li><li>• Highest performance to deliver new business-level usage models</li></ul>	N16910SAS/N12910SAS: <b>Skylake E3-1245 v5 3.5GHz Quad Core</b> N16850/N12850: <b>Haswell E3-1231 v3 3.4GHz Quad Core</b> N12850RU: <b>E3-1225, 3.20GHz Quad Core</b> N16000PRO/N12000PRO/N8900PRO: <b>E3-1275 3.4GHz Quad Core</b> TopTower N10850: <b>E3-1225, 3.1GHz Quad Core</b>
Intel® Core™ Processors i3 Family 	<ul style="list-style-type: none"><li>• 3D graphics for visually stunning use cases</li><li>• Secure centralized storage to ensure business continuity</li><li>• Suited for small and medium business use</li></ul>	N12910/N8910: <b>Skylake i3-6100 3.7GHz Dual Core</b> N12850L: <b>i3-4170, 3.70GHz Dual Core</b> N8880U-10G/N7770-10G/TopTower N8850: <b>i3-2120, 3.30GHz Dual Core</b>
Intel® Pentium® Processor 	<ul style="list-style-type: none"><li>• Dual-core processor with low-power states</li><li>• Designed for office suites and multimedia playback</li><li>• Suited for small and medium business use</li></ul>	N8810U Series/N7710 Series: <b>G850, 2.9GHz Dual Core</b> TopTower N6850: <b>G620, 2.6GHz Dual Core</b>
Intel® Celeron™ Processor 	<ul style="list-style-type: none"><li>• High speed transfers to cut waiting time</li><li>• Green low-power design for low energy costs</li><li>• Suited for home and small business use</li></ul>	N5810PRO/N5810: <b>Bay Trail J1900 SoC 2GHz Quad-Core</b> N4810/N2810PRO: <b>Braswell N3160 1.6GHz Quad Core</b> N2810PLUS: <b>Braswell N3150 1.6GHz Quad Core</b> N2810: <b>Braswell N3050 1.6GHz Dual-Core</b>
Intel® Atom™ Processors 	<ul style="list-style-type: none"><li>• Energy Efficient Processors</li><li>• Smart investment for entry level storage solutions</li><li>• Simplified, easy to use storage</li><li>• Suited for home and small business use</li></ul>	N4510U PRO/N7510/N4800Eco/N2800: <b>D2701 2.13GHz Dual Core</b> N5550: <b>D2550 1.86GHz Dual Core</b>
Intel® Atom™ SoC Processor 	<ul style="list-style-type: none"><li>• Superior price for performance</li><li>• Ultra energy efficient 9W idle, 14W load</li><li>• Super quiet 20dB</li><li>• Perfect for home/SOHO users</li></ul>	N4560/N2560: <b>CE5335, 1.6GHz</b>

All Intel® Embedded Thecus® NAS are bundled with Free Intel® Security

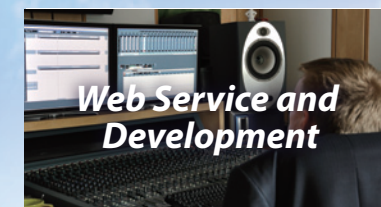


## Industry-Based IOT Solutions



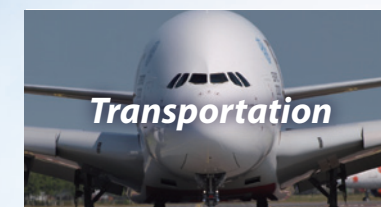
### Education

The integration of information technology has expanded exponentially with governments implementing programs to educate students on the evolving world of IT. With its unique ability to increase the effectiveness of teaching, learning, sharing information and research, the use of information has become commonplace in the classroom. Thecus NAS provide an intuitive, easy to use, and cost effective solution to empower students and teachers with a better learning environment.



### Web Service and Development

Thecus NAS come in many varieties to support the wide range of user needs. For users working with webpage development and offering web services, high performance NAS may be necessary to handle the heavy workloads these tasks require. Thecus NAS are equipped with unique hardware and that provide the performance, networking, and resilience and that are necessary for web-based industry.



### Transportation

The ever-sprawling network of transportation, much of it being automated, requires a strong network for communication in order to ensure that operations run smoothly and any crisis is handled swiftly. Data collection allows administrators to improve processes to reach the highest operational efficiency. Concerns of safety are also addressed with intricate surveillance systems.



### Banking & Finance

The banking industry has been revolutionized by the changes made by the expansion of digital data. More and more banking services are being provided online and the demand for these services are rapidly growing. Everyday transactions, savings account management, retirement plans, and stock activities can all be conducted via online services. This data is vital to society as a whole and ensuring its properly stored is essential. Thecus NAS provide a comprehensive set of storage solutions ideal for the banking and finance industry.



### Healthcare

Possessing a comprehensive, efficient medical information system is vital in the medical field. This allows medical staff to make timely and accurate decisions in order to provide the best service and satisfaction to their patients. Having a dependable system in place that can provide the stability and security necessary for medical organizations is vital. With Thecus NAS, IT administrators are given the ideal tool to support their network infrastructure and empower its medical staff with a robust information system.

