ComX Computers
Product Specification Sheet

N7770-10G

Thecus 7 Bay Core i3-2120 3.3Ghz Dual Core Network Attached Drive

Product Overview

Thecus 7 Bay Intel Core i3-2120 (3.3Ghz Dual Core). 8GB DDR3 ECC RAM. USB3.0x2. USB 2.0x6. LCM x1. HDMI x1, VGA x1. PCIex8_Slot x1. 10GB NIC built-in



Specifications

Overview:

Thecus Technology Corp. today announced the launch of the next generation 7-bay, N7770-10G and 8-bay, N8880U-10G NAS. The newest additions to Thecus' line of SMB/Enterprise NAS deliver high-performance, resilience, and a wide range of industry-class solutions that are able to handle the rigorous mission critical storage needs of businesses.

"Innovation has been and continues to be at the very pinnacle of our success at Thecus," said Florence Shih, CEO at Thecus Technology Corp. "Today's growing businesses require a complete storage solution that can fulfill day to day operations and adapt to unforeseen circumstances and new innovations. With cutting-edge hardware, a comprehensive set of data management features, and attractive price points, these next generation NAS provide an ideal business storage solution."

Features:

10GbE Included
High-end data centers often need a level of speed that today's average network cannot provide.The 10GbE solution offered by the N7770-10G models makes them ready for the next step in network evolution straight out of the box.

Snapshot Backup
With BTRFS support, Thecus NAS users can enjoy the simplicity of snapshot backups. 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.

Disk Clone and Wipe
Disk Clone allows users to copy the entire contents of a disk to one or many other disks while Disk Wipe allows for permanent volume data destruction.

VPN Server
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.

AES 256-bit RAID Volume Encryption
Thecus's AES 256-bit RAID volume encryption tool allows users to fully encrypt their entire RAID volume, defending essential data even in instances of theft.

Data Guard
Data Guard backup solution is the ultimate software as it provides both local and remote parts. Currently, data is backed up across RAID volumes, external USB drives, and eSATA. In addition, Data Guard uses innovative technology to sync data across the network to other NAS and servers. More importantly, Thecus® Data Guard is the total backup solution which makes managing NAS user-friendly and convenient.

Data Burn
NAS data can now be burned directly to CD, DVD, and Blu-ray discs with Data Burn, this hassle-free module makes burning data to a disk effortless. In addition, burning ISO image file is also supported. Whether you're managing audio, media or essential files; Data Burn copies information fast while significantly reducing waiting time. The process of burning file to disk is now easy and smooth with Data Burn module.

Link Aggregation
Link aggregation can sustain multiple network connections and provide redundancy in case one of the links fails. Thecus NAS supports 7 modes which provide Load Balance, Failover, 802.3ad, Balance-XOR, Balance-TLB, and Balance-ALB, Broadcast.

Antivirus
Thecus' innovative hardware helps prevent failures. But sometimes you have to protect the NAS against itself. Adding an antivirus to the already comprehensive software bundle will provide the necessary software protection by scanning the files on your NAS and defending it against possible threats. McAfee is the world's largest dedicated security technology company and shares Thecus' spirit of dedication and quality. By establishing a strong partnership with them, Thecus will allow users the benefit of McAfee's powerful software on their NAS entirely for free.

Cloud Backup
The private and public clouds meet with Thecus' new DropBox, Amazon S3 and ElephantDrive cloud backup functionality! Guard your data with RAID at home and 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.

HDMI Output
Make your NAS into the ultimate multimedia hub! The N7770-10G's HDMI output allows you to connect your NAS directly to your TV for device management.

USB 3.0 Connectivity
The next generation of connectivity is here with speeds 10x faster than USB 2.0. Whether connecting digital cameras and smart phones, backing up large external hard drives, or extending the capacity of your NAS, USB 3.0 will make sure it's done in no time at up to 5 Gbit/s. Backwards compatibility adds the connectivity of a world full of USB 2.0 and USB 1.1 devices to get the best combination of speed and universal access.

Acronis True Image
Thecus brings the best to the table with Acronis's advanced backup software. Back up all your data with One-click Protection or pick and choose only your most important files. Acronis sports a slick interface, user-friendly design, and comprehensive features to keep your data safe.

Multiple RAID
When it comes to data management, Thecus NAS truly let you have it your way. Create multiple RAID volumes each supporting different RAID modes including RAID 0, 1, 5, 6, 10, 50 and JBOD for your own balance of performance and data

protection. Should a hard drive malfunction occur, changing one is simple thanks to online RAID migration and expansion, hot spare, and auto rebuild.

Multiple File Systems
Support for multiple file systems including EXT3, EXT4, Btrfs and XFS, gives Thecus NAS flexibility to handle many different types of environments. Users can simultaneously use different file systems across multiple RAID volumes to get the best of each one.

iSCSI Thin-Provisioning
Get the most out of your storage space with the extreme speed of iSCSI and the efficiency of iSCSI thin provisioning. Connect through iSCSI for the fastest data transfer speeds available and make wasted disk space a thing of the past with thin provisioning's flexible storage functionality.

iOS/Android Connectivity
In the modern world, nothing is as important as reaching your data from anywhere. With T-OnTheGo and the T-Dashboard, you can manage your NAS, and upload to and download/stream from your NAS using an iOS or Android device on the go.

Rsync
Backing up your data is very necessary, and everyone has specific needs when it comes to storage. Thecus's Rsync functionality gives users great flexibility with remote backup capability, a flexible scheduler, and the stability of Linux-based transfer.

User Quota
Divide the massive storage of a Thecus NAS among multiple users. Whether there are two users or 100, User Quota make it easy to divvy up and manage disk space.

Specifications:

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Specifications	
Product Code	N7770-10G
Hardware Platform	
Processor	Intel Core-i3 2120 Processor @ 3.3GHz
System Memory	8GB DDR3 ECC Memory
Memory expandable up to	32GB
LAN Interface (PCI-e)	RJ-45x2: Intel 82574L 10/100/1000 BASE-TX Auto MDI/MDI-X
	Supports 1 x Single-Port 10GBASE-T Ethernet Network Card
	WOL supported
USB Interface	USB 2.0 host port x6 (front x2, back x4)
	USB 3.0 host port x2 (back x2)
LCM Module	Displays system status and information
HDMI Output	HDMI port (back x1)
VGA Output	VGA port (back x1)
Disk Interface	7 x SATA for internal

Power Supply	300W Power Supply
Bundled 10GbE Network Card	1 x C10GTR Installed
Thermal/Fan Control	Thermal sensor on processor 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)
Environment	Temperature:
	0 degreesC to 40 degreesC (Operation)
	-40 degreesC to 70 degreesC (Non-operation)
Chassis	Tower base
Dimensions (HxWxD)	320 x 210 x 270 (mm)/12.59 x 8.27 x 10.63 (in)
Weight	8.4(kgs)/18.51(lb)(NAS only)
Certificates	CE/FCC/C-Tick/VCCI/BSMI
	RoHS
	WEEE
RAID	
RAID Modes	RAID 0, 1, 5, 6, 10, 50 and JBOD
Auto-rebuild	Supported
Hot-swap	Supported
Hot Spare	Supported
RAID Level Migration	Supported
RAID Expansion	Supported
RAID Volume Encryption	AES256bit
Disk	
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 (Require ThecusOS 5 64 bit)
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 Client/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	BitTorrent downloads (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	Acronis True image (OEM version)
Client System Disaster Recovery	Acronis True image (OEM version)
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)
Block Level Access	
iSCSI Target/Initiator	Supports Microsoft/Mac OS X/Linux initiators and Thecus 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, PNG
	Support EXIF display
	Support slide show
Media Server	Support 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 and Portuguese

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
Thecus ID/DDNS	Support One free DDNS registration (e.g. xxx.thecuslink.com)
SNMP Trap	System information trap out
Mobile Applications (iOS/Android)	
T-Dashboard	Mobile monitoring and administration (via module)
T-OnTheGo	Upload, download and stream multimedia
Data Security	
Virus Scan	Supports Intel Security (via module)
Capacity Expansion	
Stackable	Can extend for 5 additional iSCSI volumes from other Thecus NAS
System Redundancy	
High Availability	Supports system level redundancy
Others	
Recycle Bin	Supported
Web Disk	Supported (via module)
Web Server	Supported (via module)
ISO Mount	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.
UPS	Supported through USB interface
Disk Wipe	Supported
Disk Clone	Supported
Local Display	X-Window via HDMI output

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/N7770-10G-Thecus-7-Bay-Core-i3-2120-3-3Ghz-Dual-Core-Network-Attached-Drive-p-132511.php

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