N7710-G

Unparalleled Multi-User Performance for Best-in-Class Value

vmware READY

CITRIX ready™

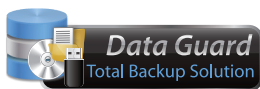**Acronis®**

intel Pentium inside™

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 N7710-G models makes them ready for the next step in network evolution straight out of the box.

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.

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.

Data Guard — Total Backup Solution
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.

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.

High Definition Media Output
Make your NAS into the ultimate multimedia hub! The N7710-G's HDMI output allows you to connect your NAS directly to your TV for device management.

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.

Antivirus Powered by McAfee — Free
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.

N7710-G
Specifications

Hardware Platform

Processor
· Intel® Pentium G850 (2.9GHz Dual Core)

System Memory
· 4GB DDR3 ECC Memory

LAN Interface
· 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

USB DOM
· 2GB

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

PCI-e x8 Slot
· 1

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

Chassis
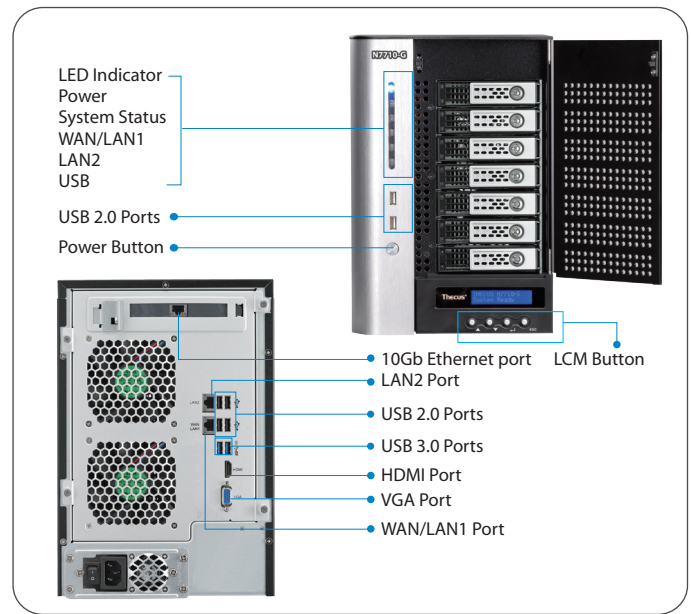· Tower base

Dimensions (HxWxD)
· 320 x 210 x 270 (mm)
  12.59 x 8.27 x 10.63 (in)

Weight
· 10.42 kgs/22.97 lb

Certificates
· CE/FCC/C-Tick/VCCI/BSMI
· RoHS
· WEEE
· VMware, Citrix

LED Indicator
Power
System Status
WAN/LAN1
LAN2
USB

USB 2.0 Ports
Power Button

10Gb Ethernet port   LCM Button
LAN2 Port
USB 2.0 Ports
USB 3.0 Ports
HDMI Port
VGA Port
WAN/LAN1 Port

Software Functions

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 Scan: 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

System status
· System Monitor: Monitoring CPU, memory,network utilization and protocols access user count
· Syslog Management:
  1. Send syslog to assigned location
  2. 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)
· Printer Server (IPP):
  1. Supports USB printers
  2. Supports a wide range of IPP printers

3. 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)
· Client Side Backup Software:
  Thecus Backup Utility (Windows/Mac OS X)
· Data Burn:
  1. Create files to ISO image and burn to optical disc
  2. Create files to ISO image
  3. Read ISO image from optical disc and write to NAS
· Mac OS X Time Machine: Supported
· Data Guard: Remote Backup/Local Backup

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

Multimedia Support
· iTunes Server: Supports AAC, MP3 w/ID3 tag and WAV
· Piczza!™ Web Server (via module):
  1. Supports GIF, JPG (JPEG), BMP and PNG
  2. Supports EXIF display
  3. 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

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
· 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 McAfee® (via module)

Capacity Expansion
· Stackable: Can extend for 5 additional iSCSI volumes from other Thecus NAS

Others
· Recycled 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
· Local Display: X-Window via HDMI output

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