TS-128A / TS-228A

A Home NAS with a quad-core processor and snapshot support



Complete home backup with snapshot support

360°
View 360-degree panoramic photos and videos!

Quad-core 64-bit processor

Realtek RTD1295 Quad-core ARM Cortex A53,1.4GHz with hardware encryption engine.

Snapshot backup support

Up to 16 snapshots can be taken for a single-disk volume, and 32 snapshots for the entire NAS.

Qphoto3

Instantly upload photos and videos from mobile devices to the NAS as they're taken.

QVHelper

Stream multimedia files to VLC player on your desktop.

What expectations do you have for your first NAS?

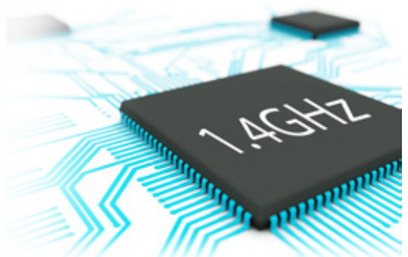
Designed for first-time NAS users, the TS-x28A offers a cost-effective storage solution with advanced backup technology. Data security has always been a core QNAP value, and now QNAP provides high-end snapshot protection for entry-level NAS.



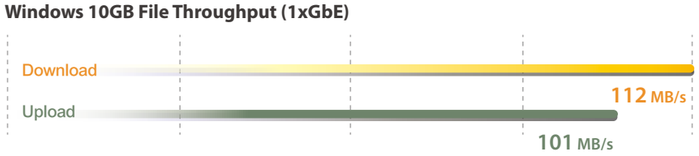


Quad-core Realtek RTD1295 64-bit 1.4GHz processor

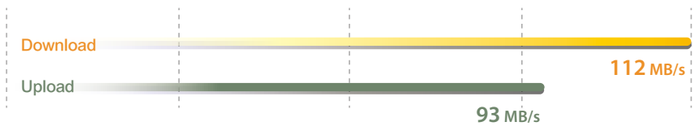
Equipped with hardware encryption engine



Windows 10GB File Throughput (1xGbE)

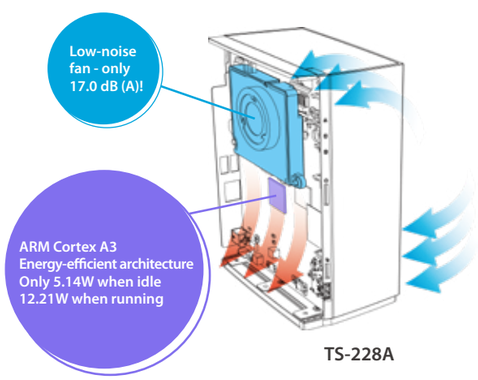


Encrypted Volume 10GB File Throughput (1xGbE)

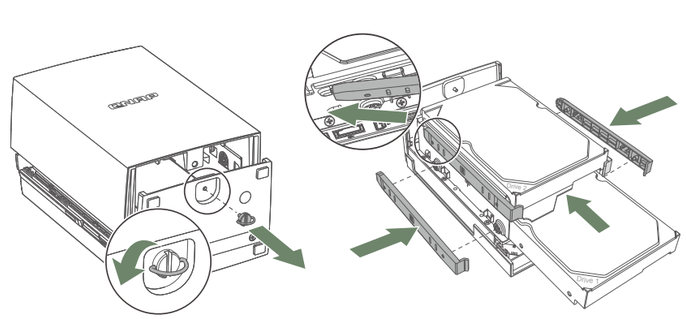


Tested in QNAP Labs. Figures may vary by environment.
Test environment:
NAS:
TS-228A, QTS 4.3.4
Volume type: RAID 1; 2 x Seagate ST1000NM0033-9ZM173 1TB HDD
Client PC:
Intel® Core™ i7-4790 3.60GHz CPU; DDR3 1600Hz 16GB; Seagate 500GB ST500DM002;
Intel Gigabit CT (MTU 1500);Windows® 10 64bit

Low noise, energy saving, and tool-free installation



TS-228A



TS-228A

Easy snapshots for comprehensive protection

Previously only available on high-end servers, QNAP has extended support for snapshot protection to our entry-level TS-x28A series. Snapshots record the state of files at a specific moment in time. If files are accidentally deleted, modified, or affected by malware, you can take advantage of snapshots and restore files to a previously-recorded state.



Maximum number of snapshots per NAS	32
Maximum number of snapshots per volume / LUN	16

QVHelper

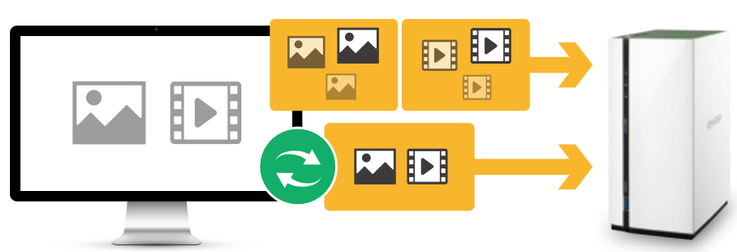
The new QVHelper allows users to stream multimedia files to VLC media player on their desktop, providing greater choice for multimedia entertainment. The TS-x28A provides a wide range of multimedia apps and services, providing entertainment throughout the home and beyond.



Media transcoding and uploading with Qfinder Pro

With transcoding, you can convert video files to multiple resolutions and universal formats to play them on a wide range of mobile devices and over varying Internet connection speeds. The Qfinder Pro utility also allows you to save time and NAS system resources by transcoding media files before uploading them to the NAS.

- **Choose local images or videos for fast batch upload**



Transcode files locally to save NAS system resources.

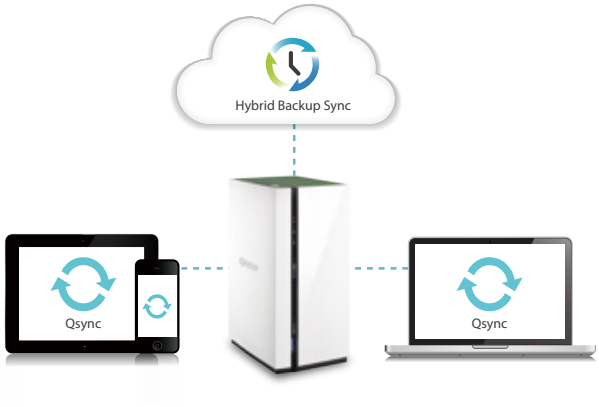
Enjoy 360-degree media files

QNAP NAS now supports 360-degree photos and videos! Companion mobile apps can also view these 360-degree media files - including on mobile VR solutions.



Hybrid Backup Sync provides complete NAS backup options

Hybrid Backup Sync is a single-app solution for backing up, restoring and synchronizing files. It integrates local NAS, remote NAS, and cloud services to simplify data protection tasks. You can also schedule automatic backup tasks, and use multiple backup versions, data reduction techniques, and multiple encryption and other functions, which provides efficient, secure protection for files and data.



Hardware Specifications

Ordering SKU	TS-128A	TS-228A
CPU	Realtek Quad-core RTD1295 ARMCortex A53 (64-bit) 1.4GHz	
Memory	1GB DDR4 memory (non-expandable)	
USB ports	1 x USB 3.0 and 2 x USB 2.0	
LAN	1 x 1GbE RJ45	
Dimensions	187.7 x 60 x 125 mm	187.7 x 90 x 125 mm
Weight	0.56 Kg	0.7 Kg

Software Specifications

Supported hard disk group types	RAID 0/1 /, Single, JBOD
Supported protocols	CIFS/SMB, AFP (v3.3), NFS (v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SNMP, SMTP, SMSC
File sharing	Maximum number of users: 4096; Maximum number of user groups: 512; Maximum number of shared folders: 512; Maximum number of concurrent connections: 700
Pre-installed file system	EXT4
Supported external device file systems	EXT3, EXT4, NTFS, FAT32, HFS+
Other Features	File Station, Photo Station, Music Station, Video Station, Download Station, Qsync, Notes Station, FTP Server, Print Server, VPN Server, VPN Client, Antivirus Protection, Hybrid Backup Sync, QVPN, Mobile Application Streaming Server DLNA Server, Airplay, Chromecast, iTunes Server
Camera licenses	4 free licenses (expandable to 16 - additional purchase required)

◆ Model specifications are subject to change without notice. Please refer to www.qnap.com for the latest information.

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