QNAP

TS-328 3-bay Home NAS

Budget-friendly RAID 5 NAS



TS-328

- Powered by a Realtek RTD1296 quad-core 1.4 GHz processor
- Protect your data with block-based snapshots
- H.264 Real-time or off-line transcoding
- Supports 360-degree panorama photos and videos

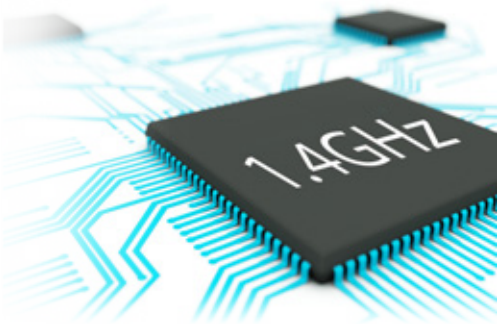
Cost-effective RAID 5 storage

30% of QNAP NAS users choose a RAID 5 solution to benefit from maximized storage capacity, high data protection, and improved performance. The TS-328 is QNAP's first 3-bay NAS, allowing you to build a RAID 5 on your NAS with the fewest number of disks. With a variety of multimedia applications, transcoding capabilities, cross-device file backup and synchronization, the TS-328 provides a highly cost-effective solution for storage, backup, file management, and sharing.

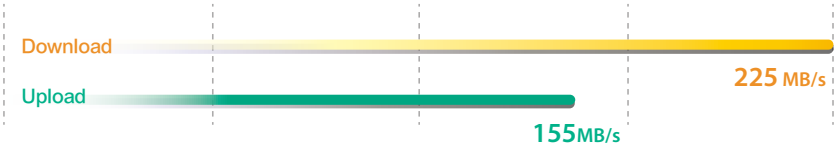


Dependable performance for everyday use

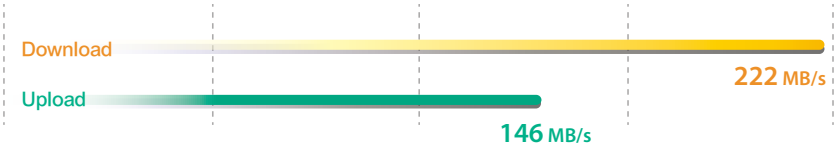
Hardware encryption Engine inside



Windows 10GB File Throughput (2xGbE)

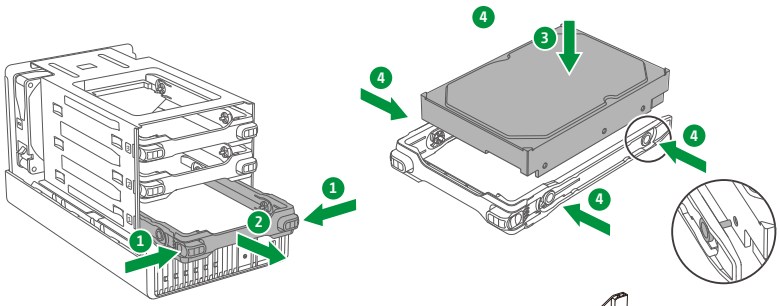


Encrypted Volume 10GB File Throughput (2 x GbE)

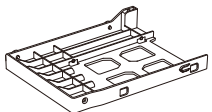


Tested in QNAP Lab. Figures could vary by environment.
Test environment:
NAS :
TS-328, OS : QTS 4.3.4
RAID Group: RAID 5; 3 x Seagate ST1000NM0033-9ZM173 (SATA x3)
Client PC: Windows 10, Intel Core i7-4700 3.4 GHz, 16GB RAM

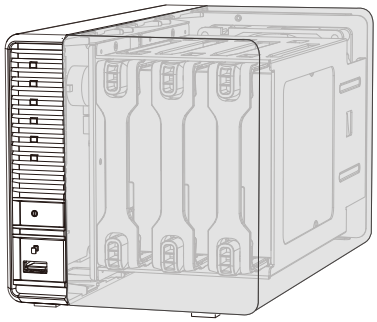
Tool-less installation



An adapter for installing 2.5-inch drives is included



Protects against drive theft



Protect data with snapshots

Snapshots help protect files and data by fully recording the NAS system state and the metadata. If an error occurs, you can quickly restore the contents of snapshots and return the system to a previously-normal state. QNAP's snapshots are block-based and only record changed data, which assists in saving storage space and minimizing the time of backing up and restoring data.



Supported snapshots

For the whole NAS	64
For a single volume/LUN	32

H.264 Real-time video ranscoding

The TS-328 supports 4K H.264 hardware decoding and real-time transcoding, allowing you to convert videos to universal file formats that can be smoothly played on mobiles, games consoles, and other devices. These videos can then be easily shared with friends and family using share links.

Note: The system reserves some memory for transcoding purposes.



Multiply your productivity

The app-driven QTS operating system simplifies file backup, management, searching, and more. With File Station you can view your NAS files and access files from USB devices, the OCR Converter allows you to extract text from images, Qfiling helps automate file organization, and Qsirch helps quickly find files.



Access files on external devices



Smart Filing



File Digitization

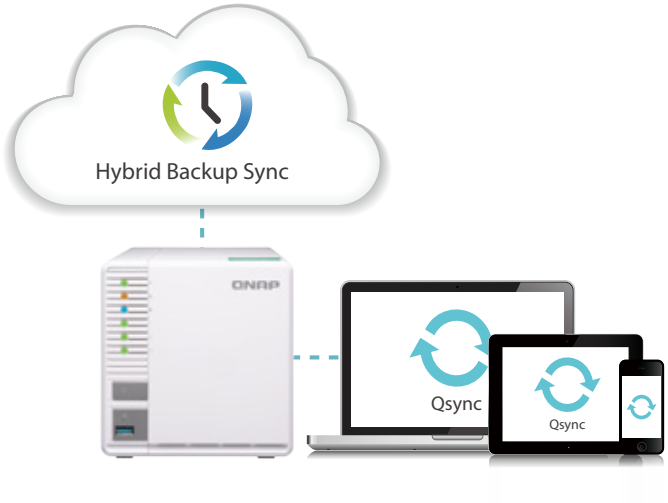


Full-text Search

TS-328 | 3-bay Home NAS

Multi-point backup and access

The Hybrid Backup Sync app consolidates data backup/restore and synchronization functions, allowing you to easily back up and synchronize data from the TS-328 to another QNAP NAS, USB storage devices, or cloud storage accounts. With Qsync, you can also automatically synchronize selected NAS files and folders with all of your computers and mobile devices to ensure you always have the most up-to-date files.



Hardware specifications

Ordering P/N	TS-328
CPU	Realtek RTD1296 Quad-core 64-bit 1.4GHz Processor with Hardware Encryption Engine
Memory	2GB DDR4 RAM (not expandable)
Drive bays	3x 3.5-inch SATA 6Gb/s (includes 1x adapter for a 2.5-inch drive)
Network	2x 1GbE RJ-45
USB	2x USB 3.0, 1x USB 2.0
Audio output	Built-in speaker and 3.5mm line out
Dimensions and Weight	142 x 150 x 260.1mm ;1.64 kg
Power consumption	On standby: 7.24W. During operation: 18.35W
Noise level	16.5 dB(A)

Software Specifications

Supported hard disk group types	RAID 0, 1, 5; JBOD; single disk
Supported Protocols	CIFS/SMB, AFP (v3.3), NFS (v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SNMP, SMTP, and SMSC
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
Surveillance solution	Includes 8 free channels for QVR Pro (expandable to 16 by purchasing additional licenses). Available from April 2018.

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

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