

The background of the advertisement is a bright, minimalist living room. On the left, a light-colored wooden chair with a white cushion is partially visible. In the center, a light blue QNAP TS-130 NAS unit stands on a white wooden coffee table. The room is decorated with a white ladder shelf holding a framed picture and a small plant, and a white cabinet with a cactus on top. The overall aesthetic is clean and modern.

# TS-130

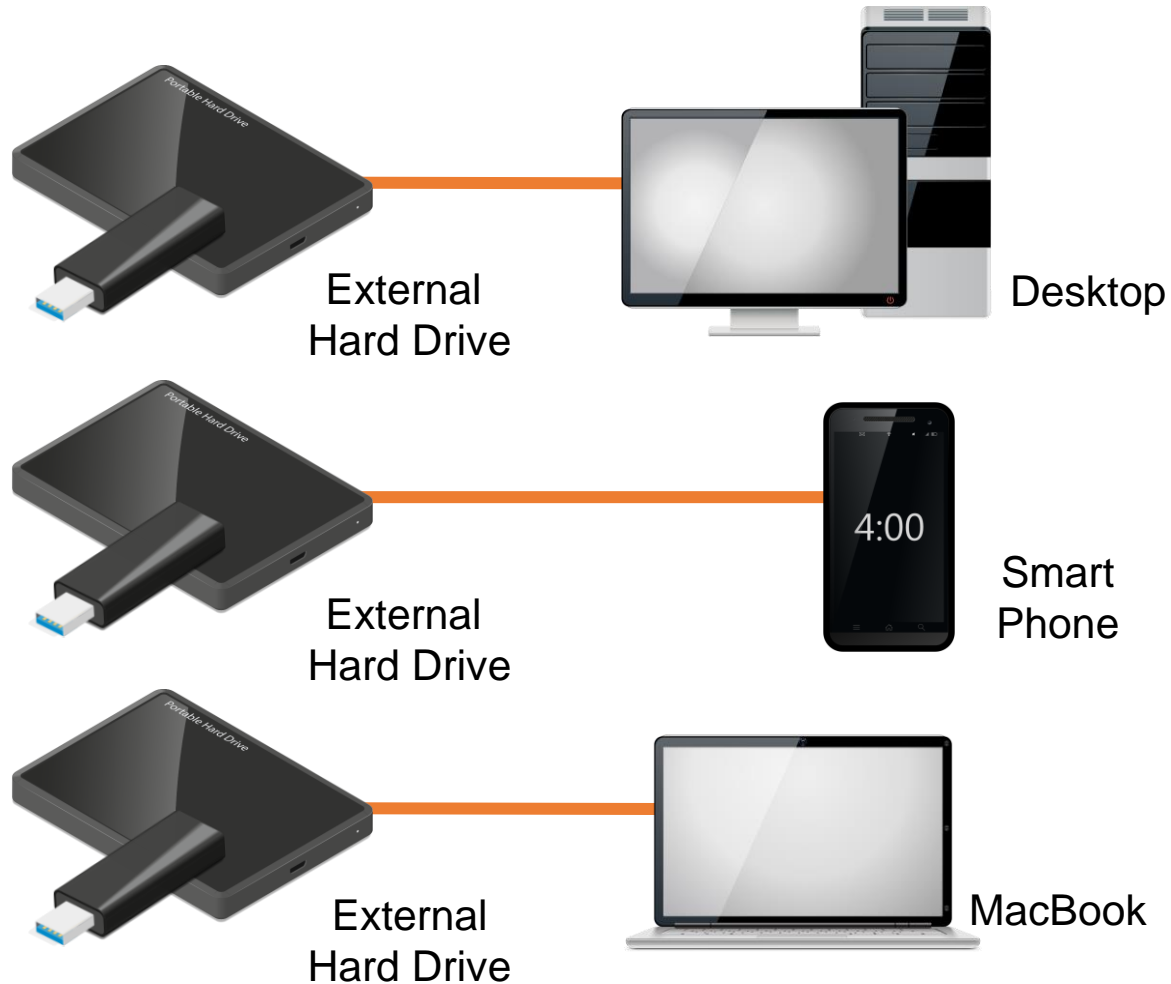
Budget-friendly Home NAS for file storage and multimedia streaming with Snapshot protection

Snapshot

Backup

Cross-drives

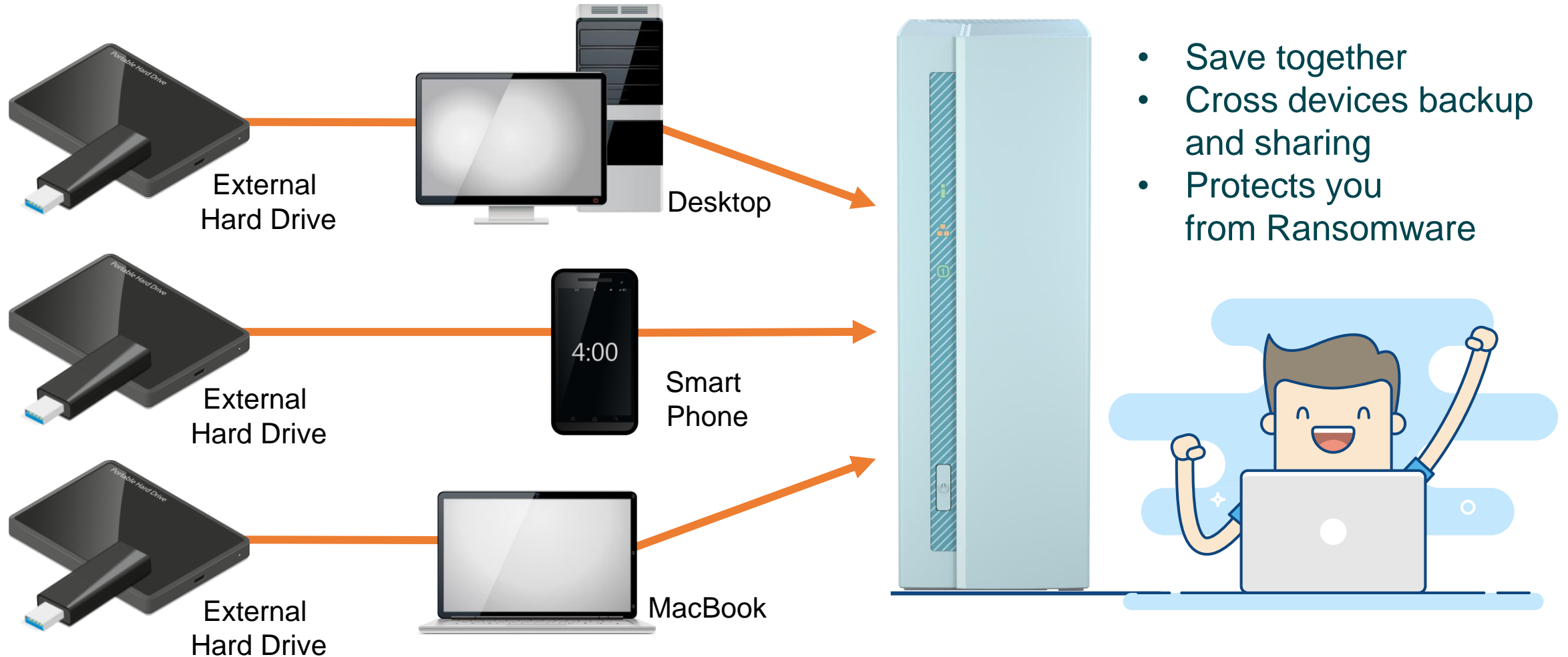
# Back up each device with separate external hard drive



Backup each device with different external drive. It's hard to manage all backup version.



# Back all your devices with just ONE TS-130





- Home backup NAS
- NAS basic operation
- File protection and sharing
- Multi-media streaming
- Photographer



# Home Backup NAS



# Personal cloud for home application

## I want a entry NAS with...

- Reasonable pricing
- Fashion look
- File sharing
- Multi-media application
- Personal backup (photos / computer data / MacBook Time Machine)



# Built just for easy-use personal back up



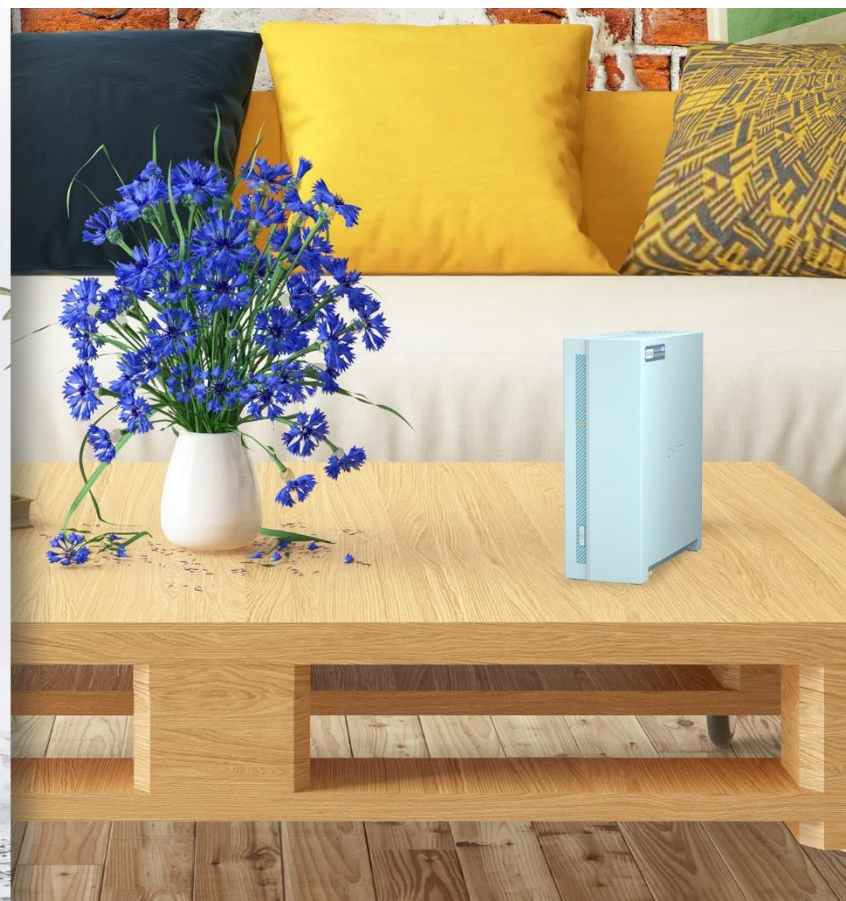
- **Light color fits your home well**
- **Great heat dissipation with quiet fan**
- **Snapshot protects your data**
- **Personal multi-media sharing**
- **Support Plex server**
- **Backup photos easily**

# This Blue just fits your home well !

**Nordic style**



**Country style**

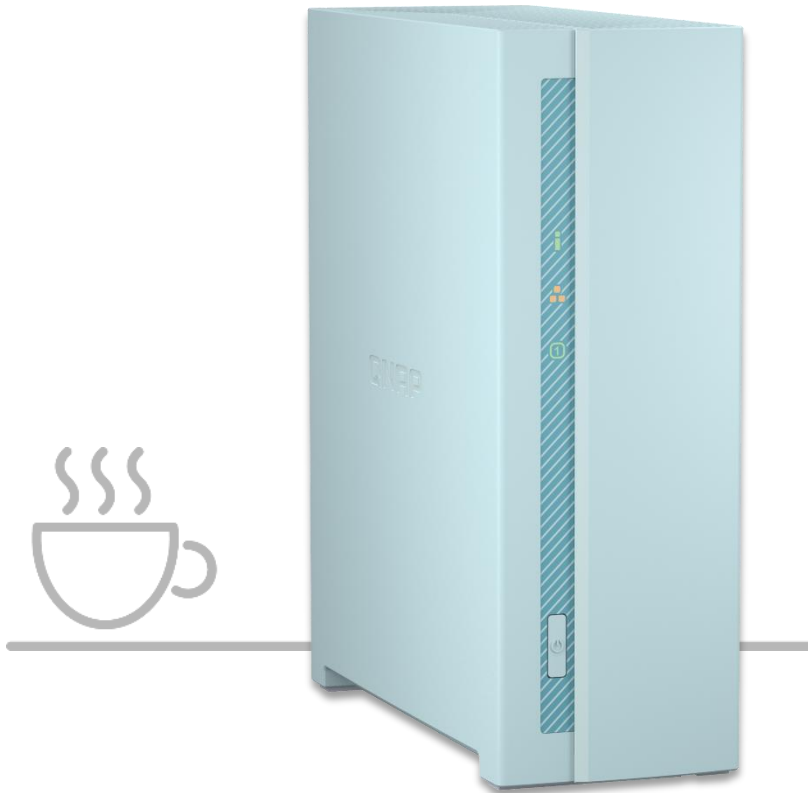


**Japanese style**





# ARM 64 bit quad-core 1.4GHz processor



- **Realtek RTD1295 quad-core 64-bit 1.4GHz processor**
- **Built in 1GB DDR4 high-speed memory**

**Energy-efficient ARM® Cortex-A53**

Disk standby : 3.45W

Operating Mode : 7.29W

# Efficient heat dissipation could handle 18TB hard disk

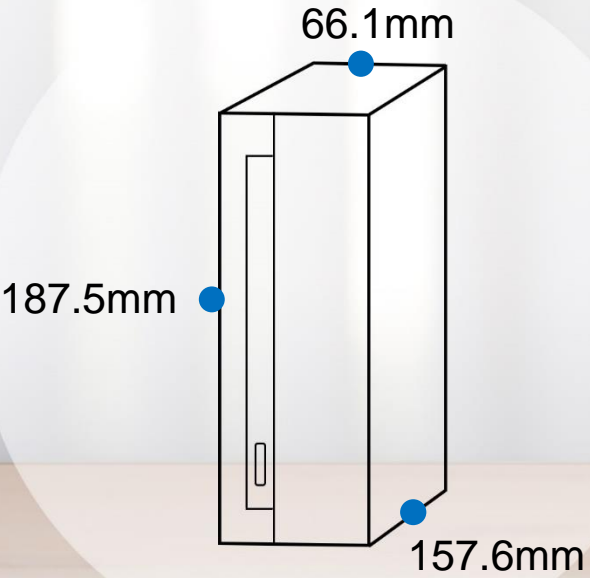


## Quiet Smart fan

- 15.2dB @25 degree Celsius room temperature
- Works well even room temperature is 40 degree Celsius
- Support up to 18TB

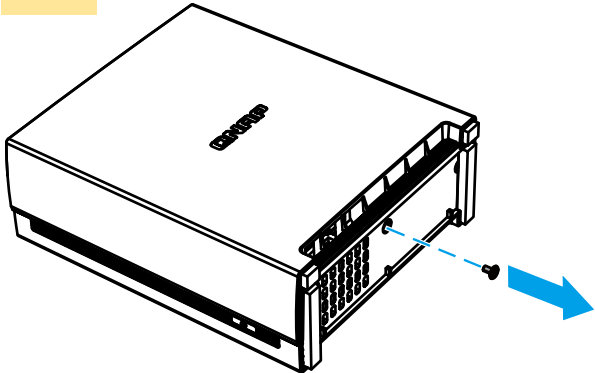
• Sound Level Test Environment: Refer to ISO 7779; Maximum HDD loaded; Bystander Position; Average data from 1 meter in front of operating NAS.

# Less is better, simple good-looking design

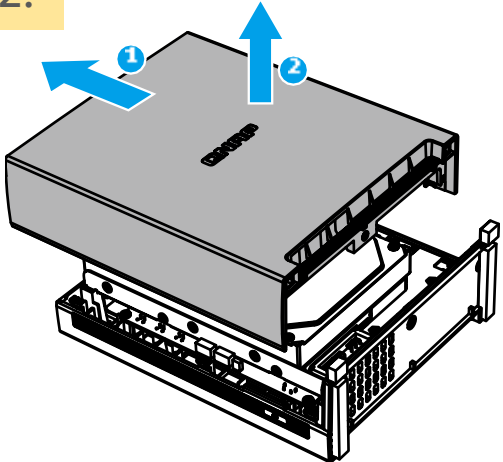


# Support 2.5-inch and 3.5 inch SSD / HDD

1.

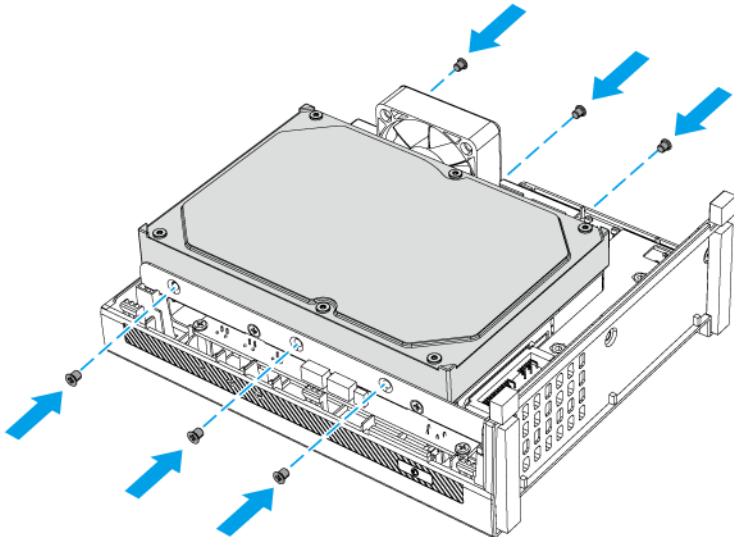


2.

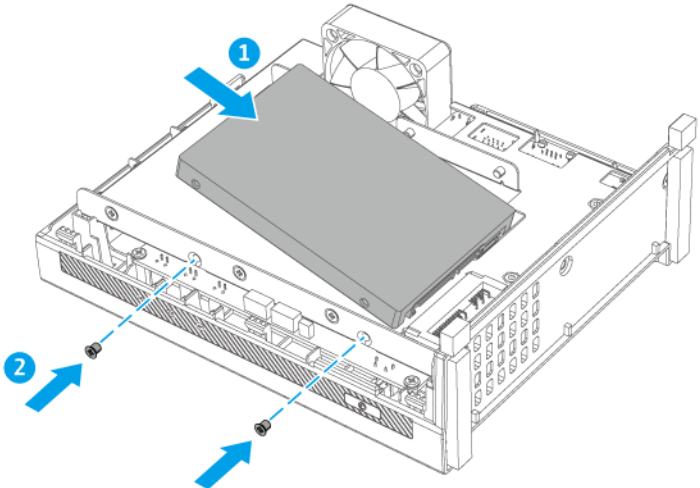


3.

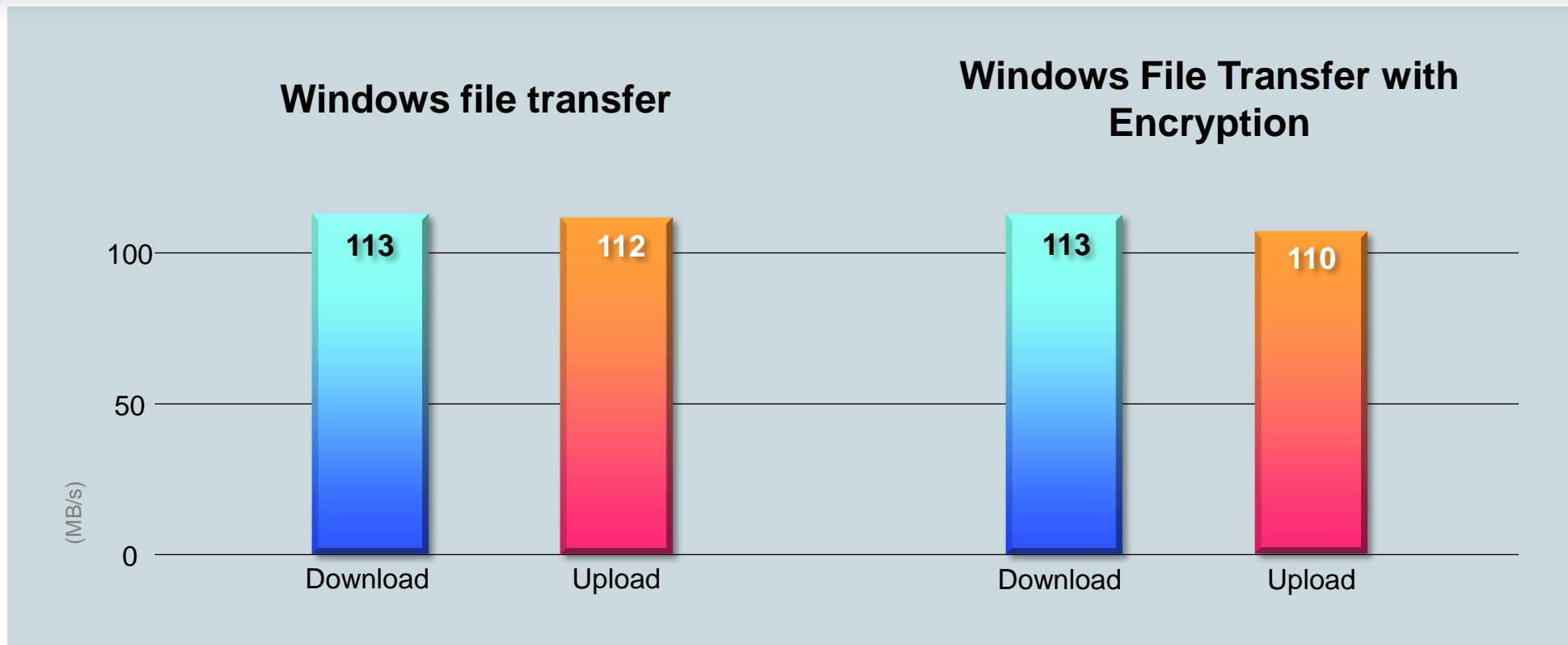
3.5-inch HDD



2.5-inch HDD/SSD



# Performance – full speed 10 GB file transfer



Test Environment:  
NAS: TS-130  
OS: QTS 4.5.1  
Volume type: Samsung SSD 850 PRO 512GB  
Client PC:  
Windows 10, Intel Core i7-6700 CPU,3.40GHz., 64GB RAM

Tested in QNAP Labs.  
Figures may vary by environment.



# Unboxing **DEMO**

# NAS basic operation



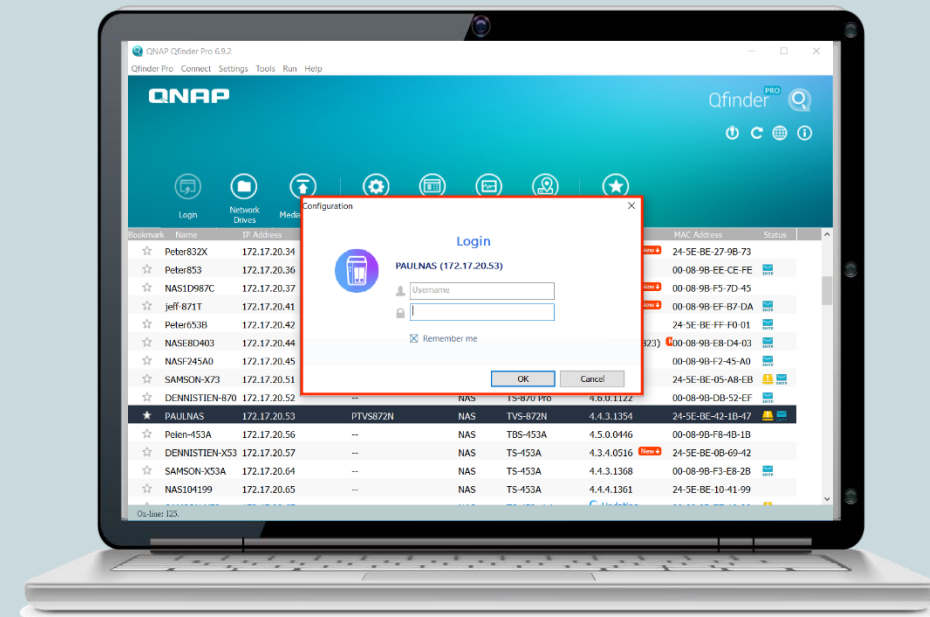
# Scan QR code or use Qfinder Pro to initialize TS-130

Put disk in your TS-130, connect to power and ethernet. Finish your first installation by scanning QR code or launch Qfinder Pro.

## 1. Scan QR code in Quick Installation Guide



## 2. Download Qfinder Pro to install on Computer



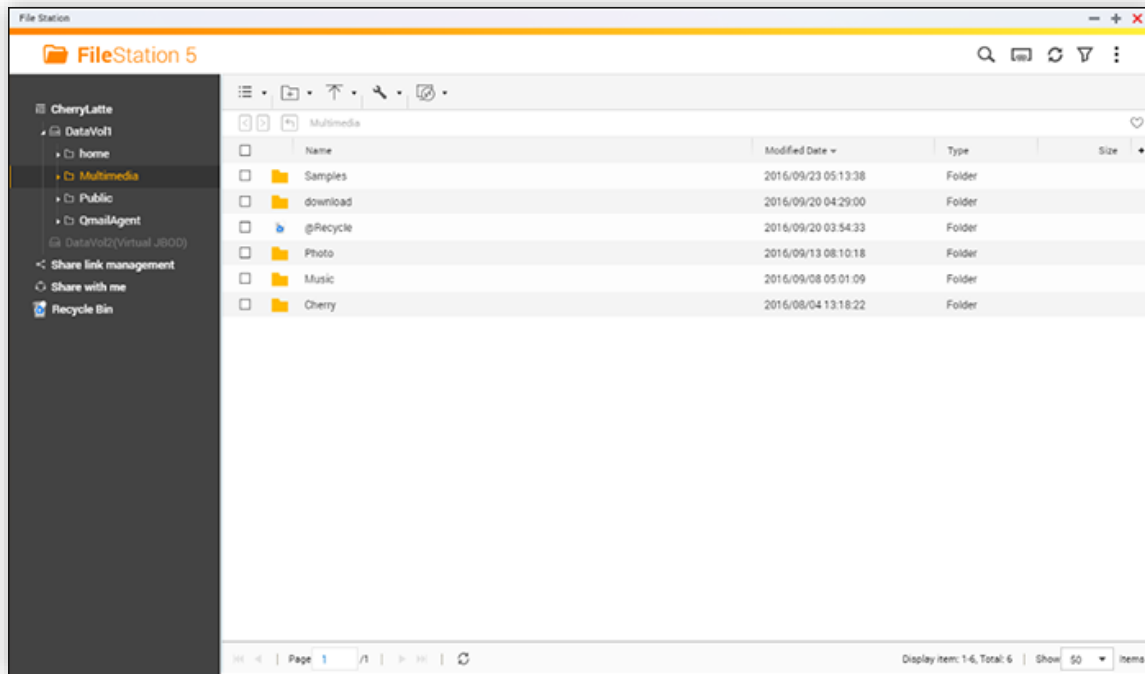


# Find & manage all your files – File Station



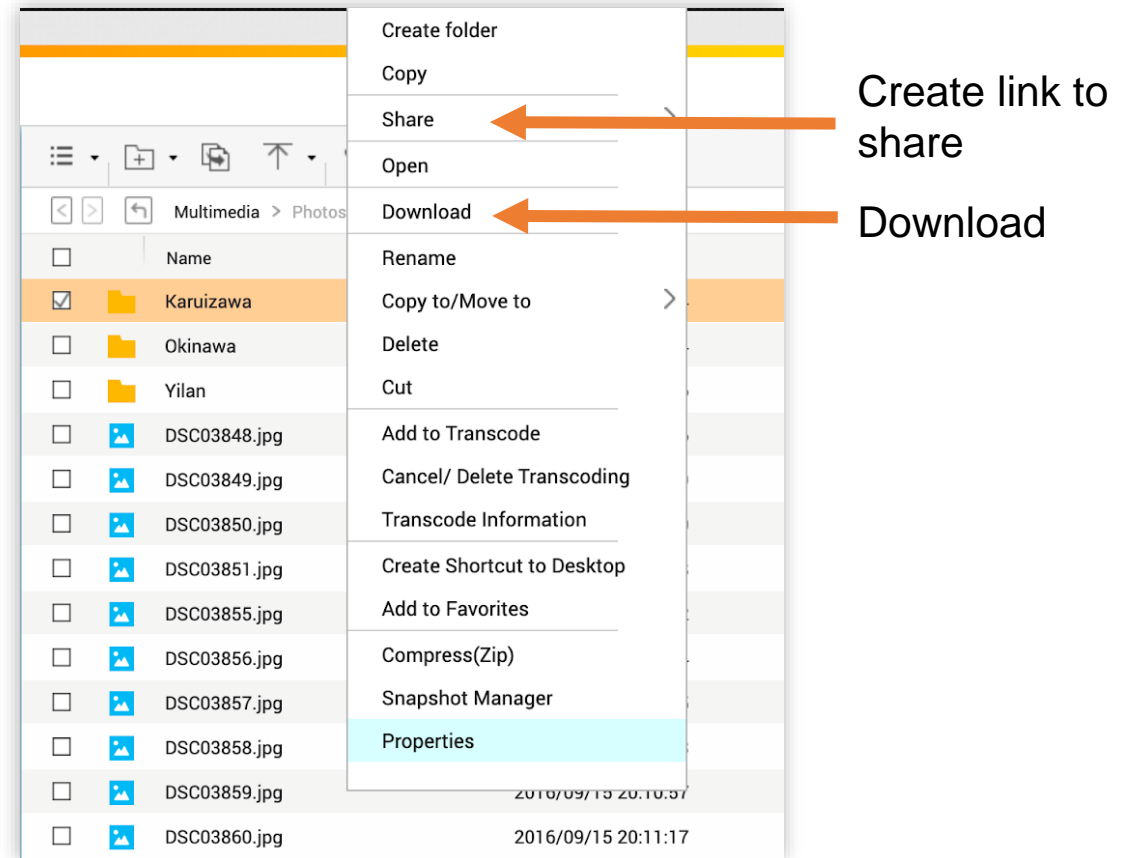
## Upload

Enter folder, drag your file to browser or click upload button to upload your file.



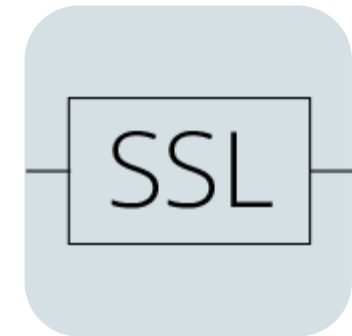
## Download

Right click on files/folder to download or share.



# Remotely Access Your QNAP NAS from anywhere with myQNAPcloud Link

The myQNAPcloud Link app is integrated with myQNAPcloud and provides a perfect **remote access service**, linking you to your QNAP NAS from wherever you are. In the past if you wanted to access NAS device remotely, you needed to rely on the DDNS service and go through a series of complex, time-consuming registration and setting processes. myQNAPcloud Link spares you from these hassles, allowing you to connect to your NAS via the Internet with greater convenience.




**Safe connection with  
SSL certificate**



**Access control**

# Set independent permission for each user. Share files with friends via myqnapcloud link.

### Create a User



User Description (optional)

Username:

Password:

Verify Password:

Phone number (optional):

Email (optional):

Send a notification mail to the newly created user ([Fdit](#))

User Group

**everyone** ←

Shared Folder Permission

Folder Name	Preview	RO	RW	Deny
Dev1Partition1	No Access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Download	No Access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multimedia	Read/Write	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Public	Read Only	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
StanleySnap	No Access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Web	No Access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
homes	No Access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**User Group**  
Support up to **128** user accounts

**Stand-alone permission setting for each users**  
You could set independent permission for each user. Stand-alone Read/Write access for each folder.

# File protection & sharing



# Public cloud is not safe as you thought

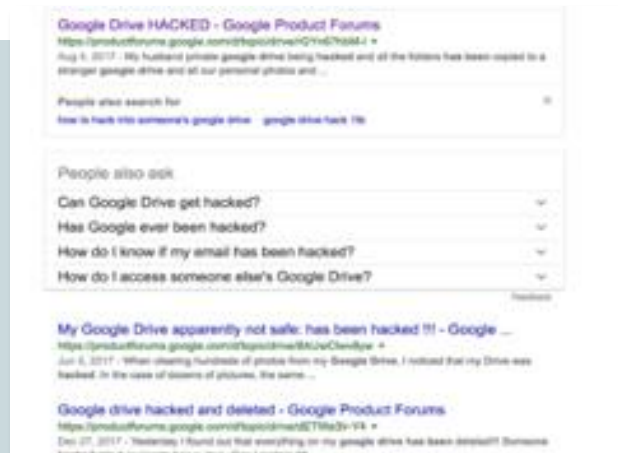
## Service terms could be change/discontinued anytime

- Flickr cancel 1TB free space, delete user file for over 1000+ photos, **cost USD50 for unlimited space.**
- Google Photos cancel free upload space, **charge USD120 for 2TB of space**



## Data leak

- Leakage photos and videos saved on public cloud

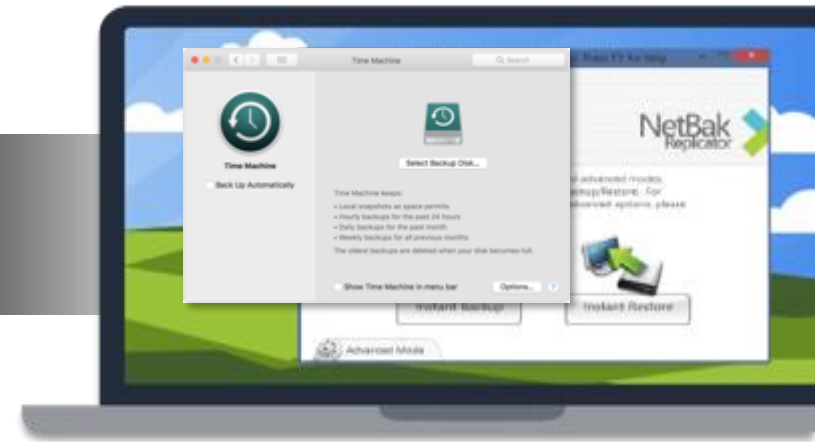


# Complete backup solution against to the Ransomware

Create or schedule a backup to scure your data!



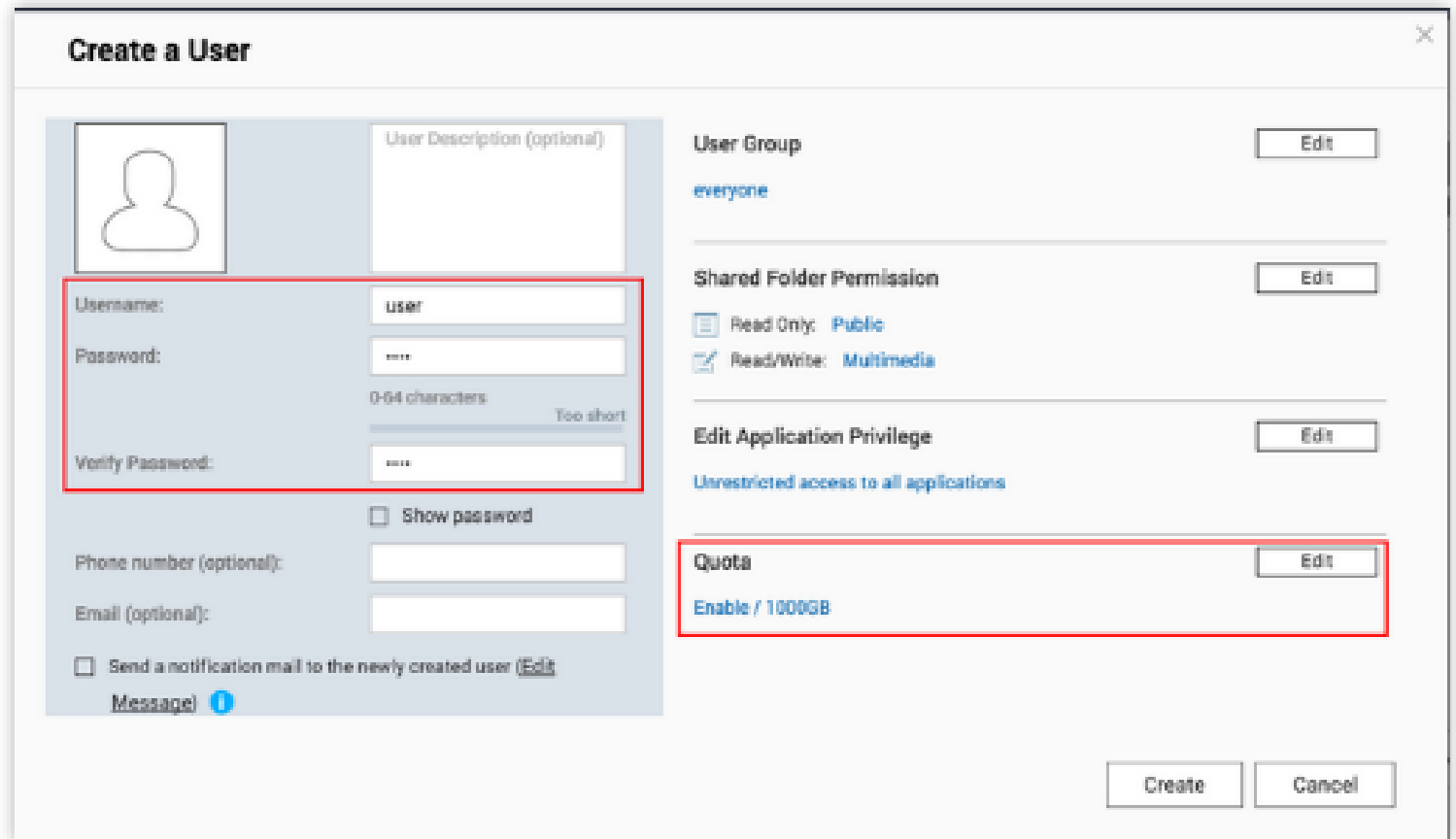
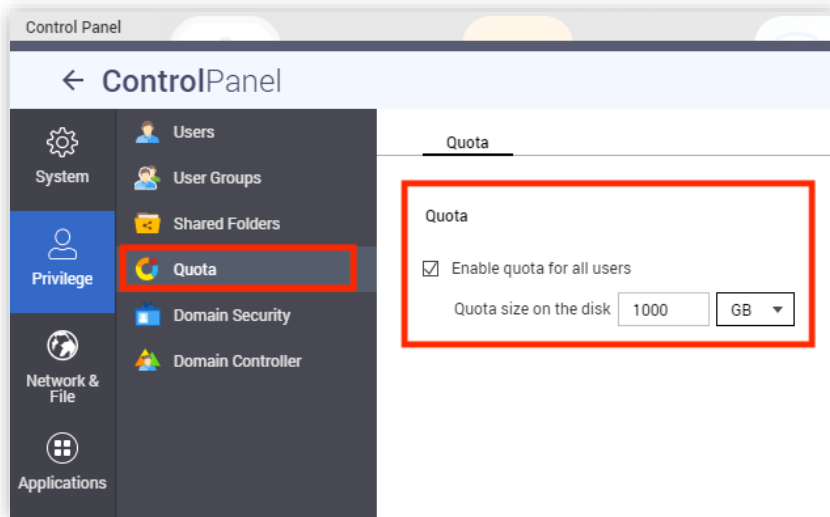
macOS  
**Time Machine**



# Apple Time Machine Backup

## 1. Create new user

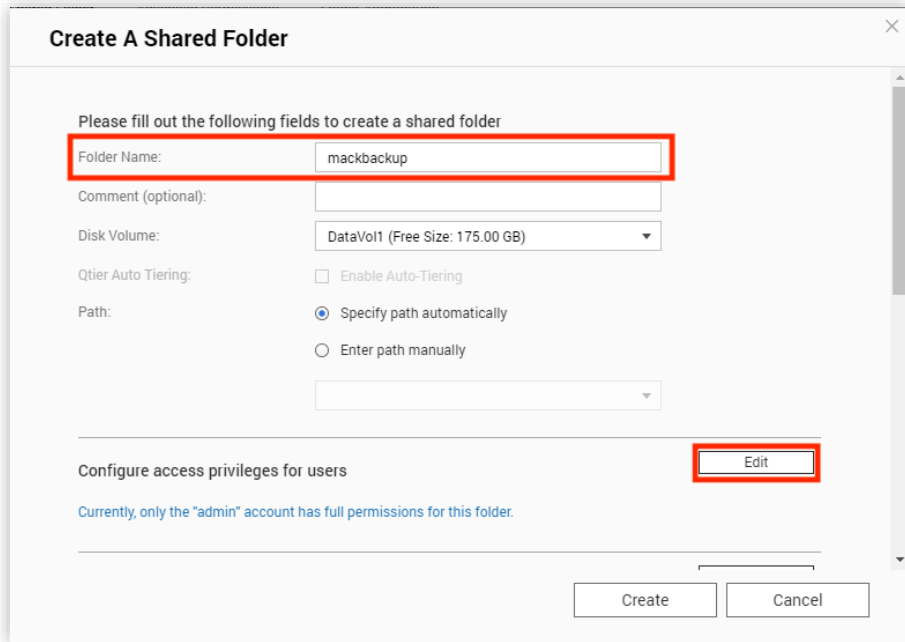
You will need to create a new user/password for Time Machine backup use



# Apple Time Machine Backup

## 2. Create a share folder

Create new share folder for Time Machine backup



**Create A Shared Folder**

Please fill out the following fields to create a shared folder

Folder Name:

Comment (optional):

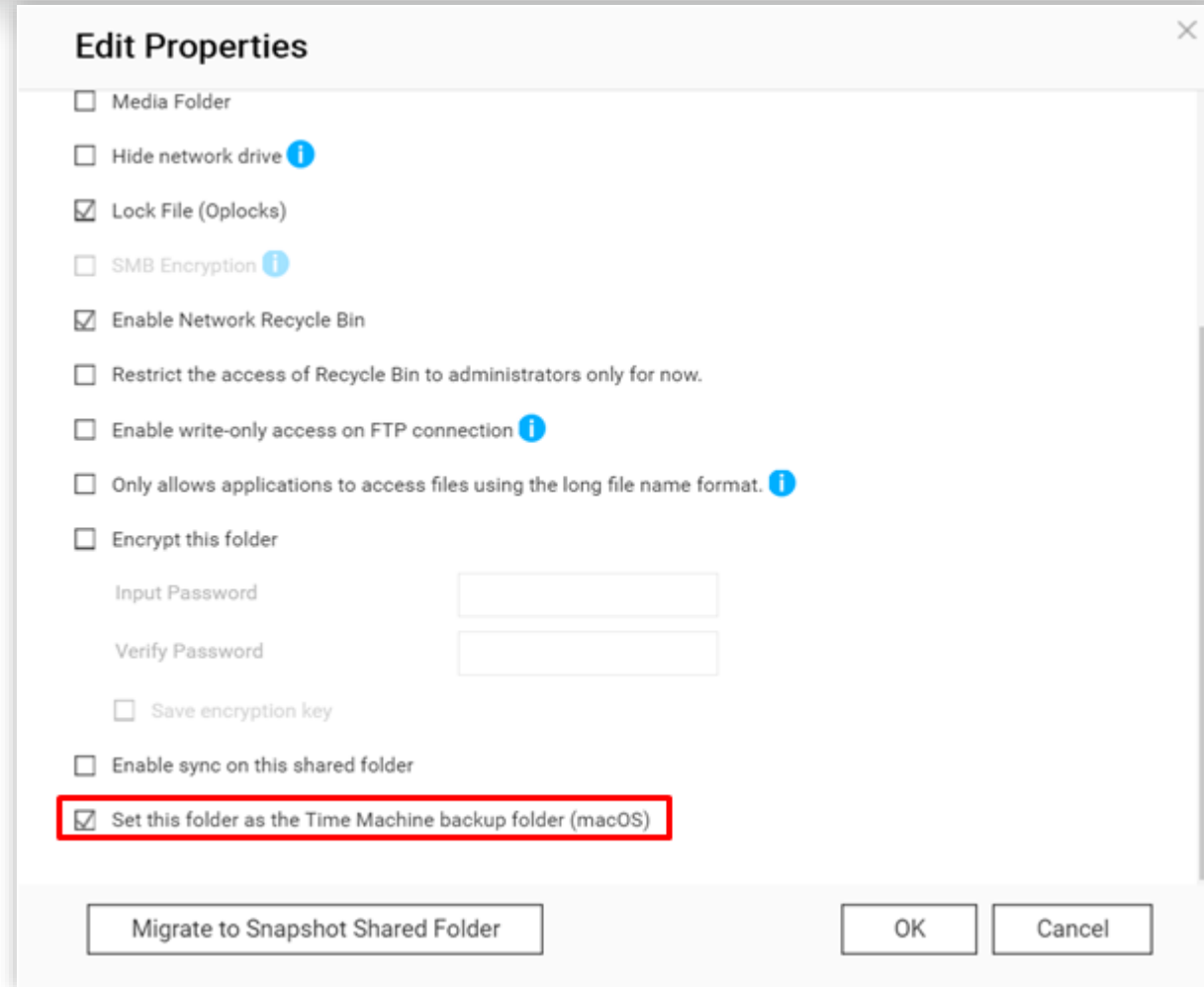
Disk Volume:

Qtier Auto Tiering:  Enable Auto-Tiering

Path:  Specify path automatically  
 Enter path manually

Configure access privileges for users

Currently, only the "admin" account has full permissions for this folder.



**Edit Properties**

Media Folder

Hide network drive **i**

Lock File (Oplocks)

SMB Encryption **i**

Enable Network Recycle Bin

Restrict the access of Recycle Bin to administrators only for now.

Enable write-only access on FTP connection **i**

Only allows applications to access files using the long file name format. **i**

Encrypt this folder

Input Password

Verify Password

Save encryption key

Enable sync on this shared folder

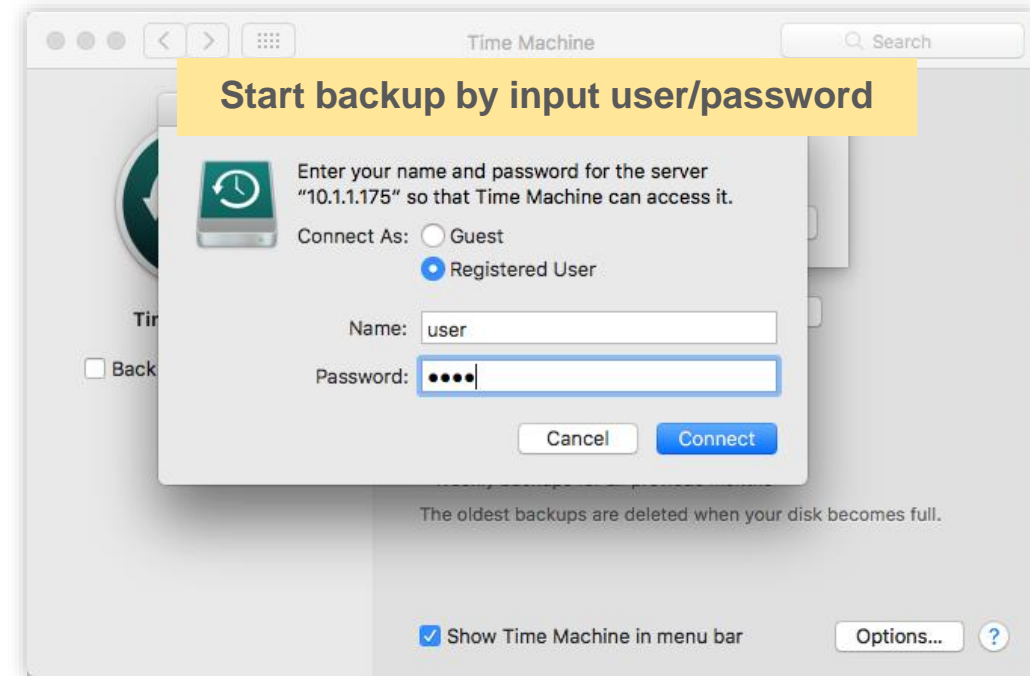
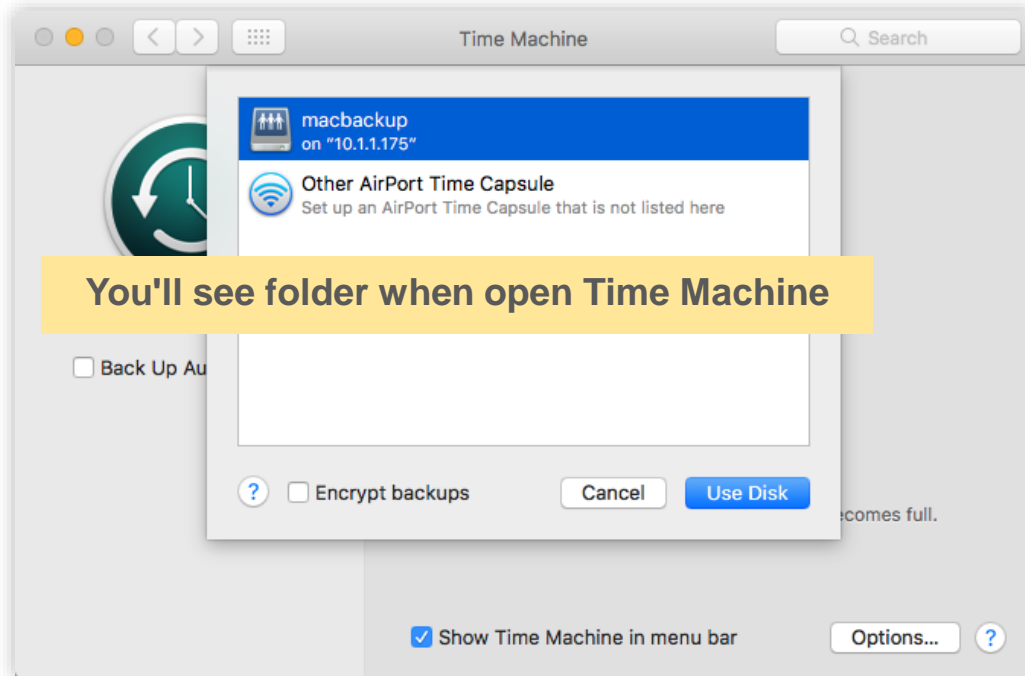
Set this folder as the Time Machine backup folder (macOS)



# Apple Time Machine Backup

## 3. config Time Machine on your macOS

In Mac finder click "go" -> "Connect to server", enter **smb://<NAS name.local or IP address>**, choose the folder you've created for backup



# QNAP provide snapshot for Enteey level NAS

Maxium  
snapshots

64

Maxium  
snaoshts  
of Disk / LUN

32



File Station

FileStation 5

T1277sh

- DataVol1
- Snapshot
  - DataVol1 Snapshot
    - GMT+08\_2017-08-31\_09
    - GMT+08\_2017-08-31\_09
    - GMT+08\_2017-08-31\_09
    - GMT+08\_2017-08-31\_10
    - GMT+08\_2017-08-31\_11
    - GMT+08\_2017-08-31\_12
    - GMT+08\_2017-08-31\_13
    - GMT+08\_2017-08-31\_14
    - GMT+08\_2017-08-31\_15
    - GMT+08\_2017-08-31\_16
    - GMT+08\_2017-08-31\_17
    - GMT+08\_2017-08-31\_18
    - GMT+08\_2017-08-31\_19
    - GMT+08\_2017-08-31\_20
    - GMT+08\_2017-08-31\_21
    - GMT+08\_2017-08-31\_22

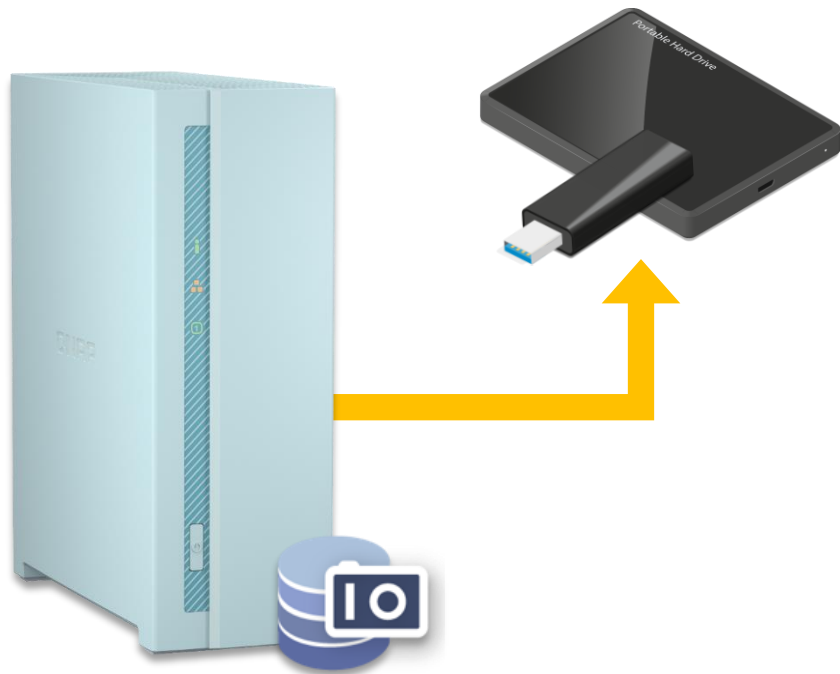
snapshot:home > DataVol1 Snapshot

Name	Modified Date	Type	Size
GMT+08_2017-09-06_1308	2017/09/02 09:56:20	Folder	
GMT+08_2017-09-06_1208	2017/09/02 09:56:20	Folder	
GMT+08_2017-09-06_1108	2017/09/02 09:56:20	Folder	
GMT+08_2017-09-06_1008	2017/09/02 09:56:20	Folder	
GMT+08_2017-09-06_0908	2017/09/02 09:56:20	Folder	
GMT+08_2017-09-06_0708	2017/09/02 09:56:20	Folder	
GMT+08_2017-09-06_0608	2017/09/02 09:56:20	Folder	
GMT+08_2017-09-06_0508	2017/09/02 09:56:20	Folder	
GMT+08_2017-09-06_0408	2017/09/02 09:56:20	Folder	
GMT+08_2017-09-06_0308	2017/09/02 09:56:20	Folder	
GMT+08_2017-09-06_0208	2017/09/02 09:56:20	Folder	
GMT+08_2017-09-06_0108	2017/09/02 09:56:20	Folder	
GMT+08_2017-09-06_0008	2017/09/02 09:56:20	Folder	

Page 1 / 3

Display Item: 1-50, Total: 149 | Show 50 Item(s)

# Take & manager snapshot via snapshot manager- Export



The screenshot shows the Snapshot Manager interface for 'DataVol2'. The status is 'Ready'. A 'Take Snapshot' button is visible. A calendar view shows a snapshot taken on 2021/02/07. A red box highlights the snapshot entry 'GMT+08\_2021-02-07\_0100'. A red box also highlights the 'Export Snapshot' button in the top right corner.

Snapshot Name	Snapshot ID
GMT+08_2021-02-07_0100	GMT+08_2021-02-07_0100

Metadata for the selected snapshot:

- Taken: 2021-02-07 01:00:05
- Replicated: No
- Retention Policy: Time-Based
- Expires After: 5 Days
- Status: Ready

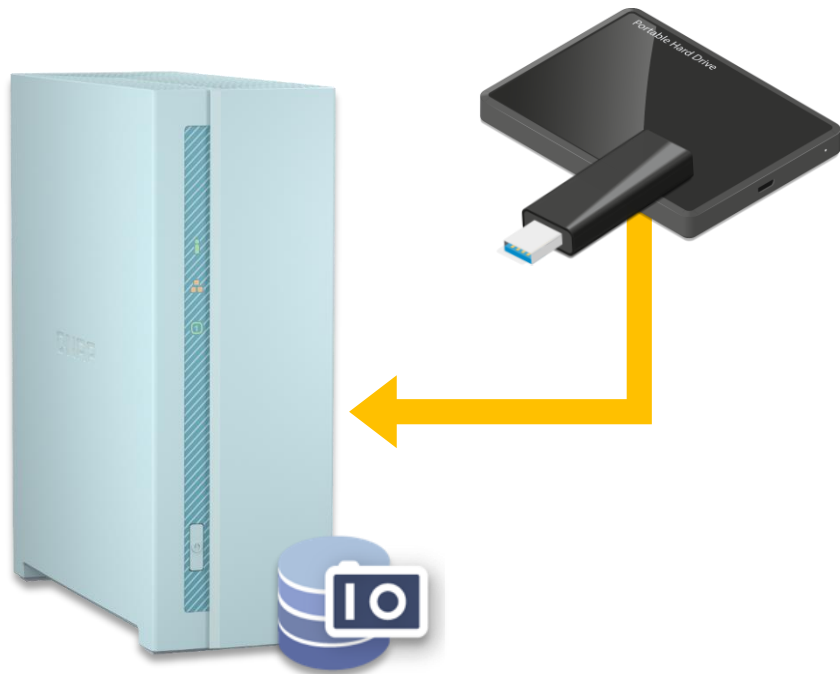
The 'Export Snapshot' dialog box provides instructions and configuration options for exporting a snapshot to an external storage device.

You can export a snapshot as an image file to an external storage device. This snapshot image file can then be used to create or revert a volume or iSCSI LUN on another NAS.

Source:	DataVol3
Snapshot:	GMT+08_2021-02-08_1040
Export Size:	2.50 GB
External storage device:	Dev1Partition1 (Free Space:3.00 GB, ...)

After the export has finished, connect the external storage device to the destination NAS. Then go to "Storage

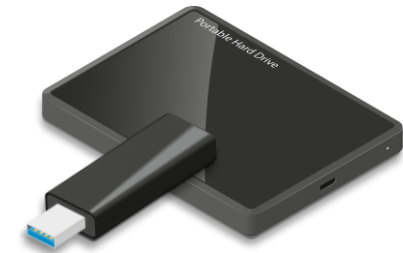
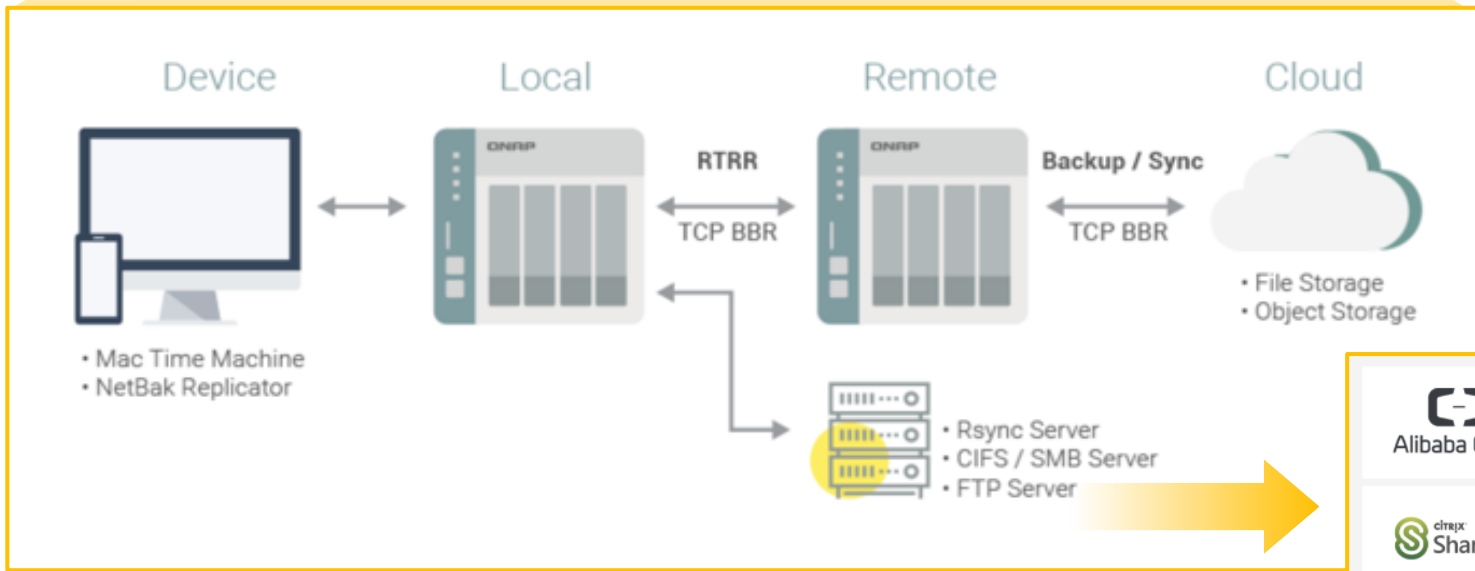
# Take & manager snapshot via snapshot manager- inport



The screenshot shows the 'Snapshot Manager' interface for 'DataVol3'. The volume is in a 'Ready' state. A 'Take Snapshot' button is visible. The main area displays a timeline of snapshots, with the most recent one from 2021-02-08 at 10:40:39. The selected snapshot is named 'GMT+08\_2021-02-08\_1040'. The interface also shows a 'StanleySnap' folder. On the right, the snapshot details are listed: Taken: 2021-02-08 10:40:39, Replicated: No, Retention Policy: Time-Based, Expires After: 6 Days, Status: Ready, Capacity: 1.90 GB, and Description: No description. At the bottom, there are buttons for 'Restore', 'Clone', and 'Revert volume snapshot', with the latter being highlighted by a red box.

Snapshot Name	Taken	Replicated	Retention Policy	Expires After	Status	Capacity	Description
GMT+08_2021-02-08_1040	2021-02-08 10:40:39	No	Time-Based	6 Days	Ready	1.90 GB	No description

# HBS 3 Multi-cloud backup, data deduplication, instant restoration and flexible synchronization



Alibaba Cloud	amazon drive	Amazon S3	BACKBLAZE	box
ShareFile	Dropbox	Google Cloud	Google Drive	HiDrive
HKT	HUAWEI	hubiC	IBM Cloud	OneDrive for Business
Azure	OneDrive	openstack.	rackspace	Yandex Disk
		wasabi		



Hybrid Backup Sync consolidates backup, restoration and synchronization functions into a single QTS/QuTS hero app for you to easily transfer your data to local, remote and cloud storage spaces as a comprehensive data storage and disaster recovery plan.

# HBS 3 Guide

# Backup to external drive / remote NAS / cloud storage via HBS 3

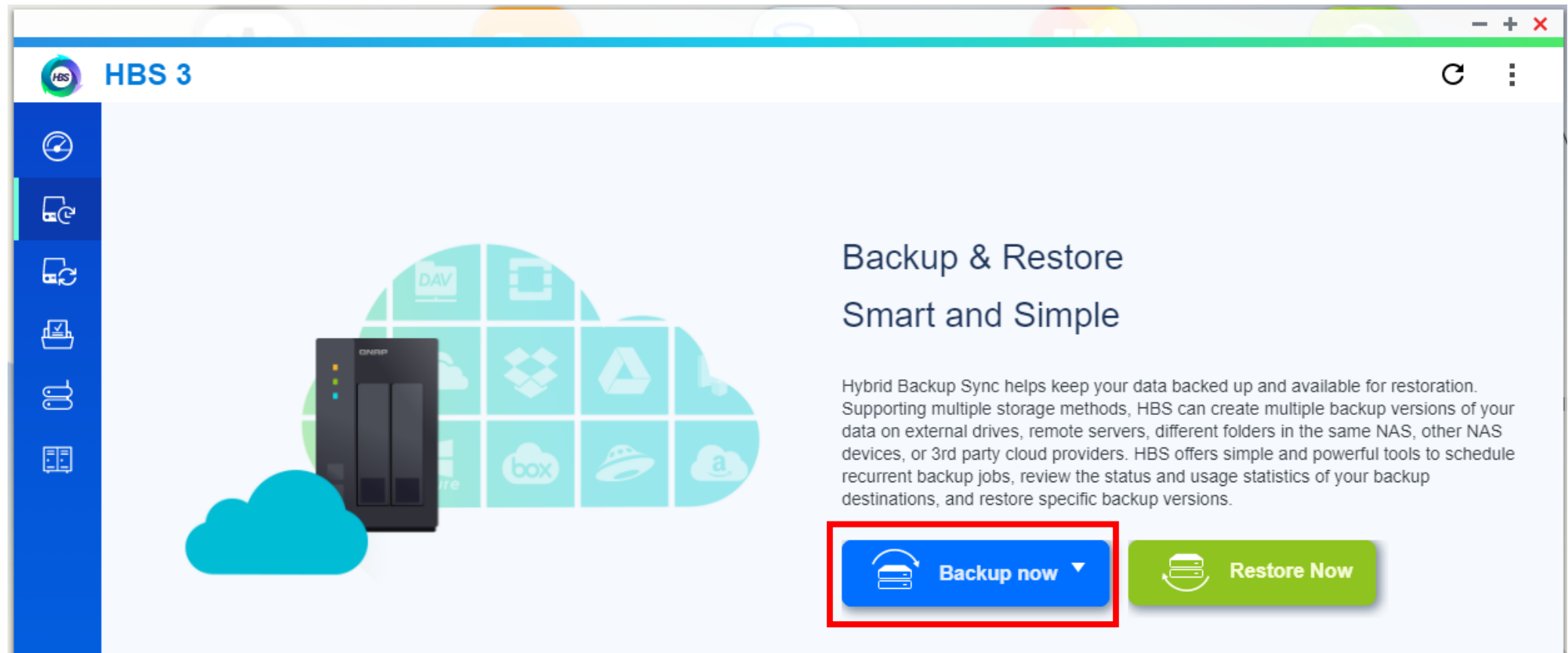
To backup folder - DataVol3

The screenshot displays the File Station interface for a device named NAS53E886. The left sidebar shows a tree view of storage volumes: DataVol1, DataVol3 (highlighted with a red box), DataVol2, Dev1 Partition1, Snapshot, Qsync, Accepted Team Folder, Recycle Bin, Share link management, Shared with me, and another Recycle Bin. The main pane shows the contents of the StanleySnap folder within DataVol3. A red box highlights the folder name 'StanleySnap' in the sidebar and the corresponding folder entry in the main list. Below this, another red box highlights the list of files and folders within StanleySnap.

Name	Modified Date	Type	Size
@Recently Snapshot	2021/02/08 10:40:40	Folder	
@Recycle	2021/01/21 18:20:40	Folder	
20190709 Fibre channel FC QNAP ATTO TW_0705.pptx	2019/08/23 17:30:41	PPTX File	97.08 MB
OneDrive_2019-08-12.zip	2019/08/12 18:37:24	ZIP File	19.84 MB
QNAP Fibre Channel Starting Guide 0.1.docx	2019/08/06 13:55:31	DOCX File	4.59 MB
KBS BMT Process (Google CHT).pptx	2019/08/02 12:06:02	PPTX File	710.61 KB

# Backup to external drive / remote NAS / cloud storage via HBS 3

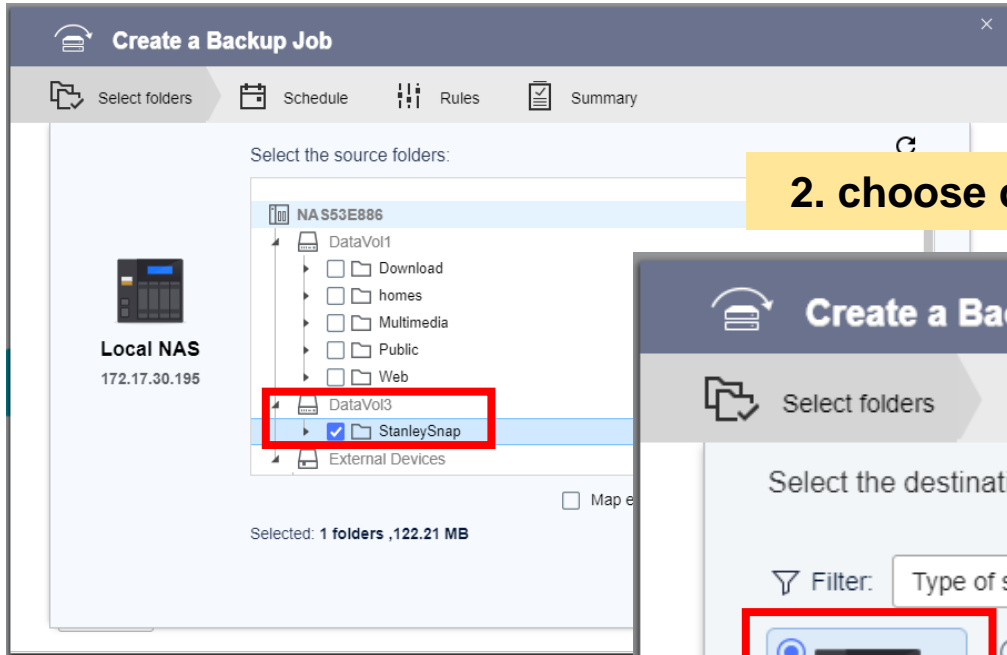
Open HBS 3 (Download from App center)



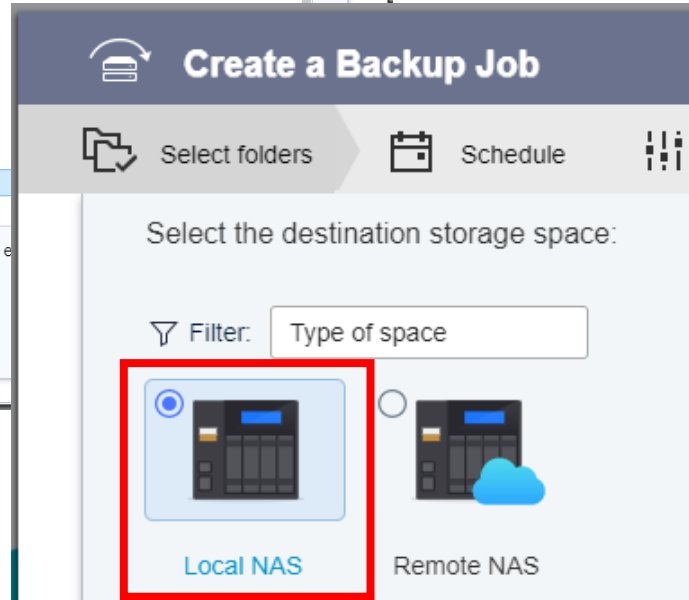


# Create Backup job in HBS 3

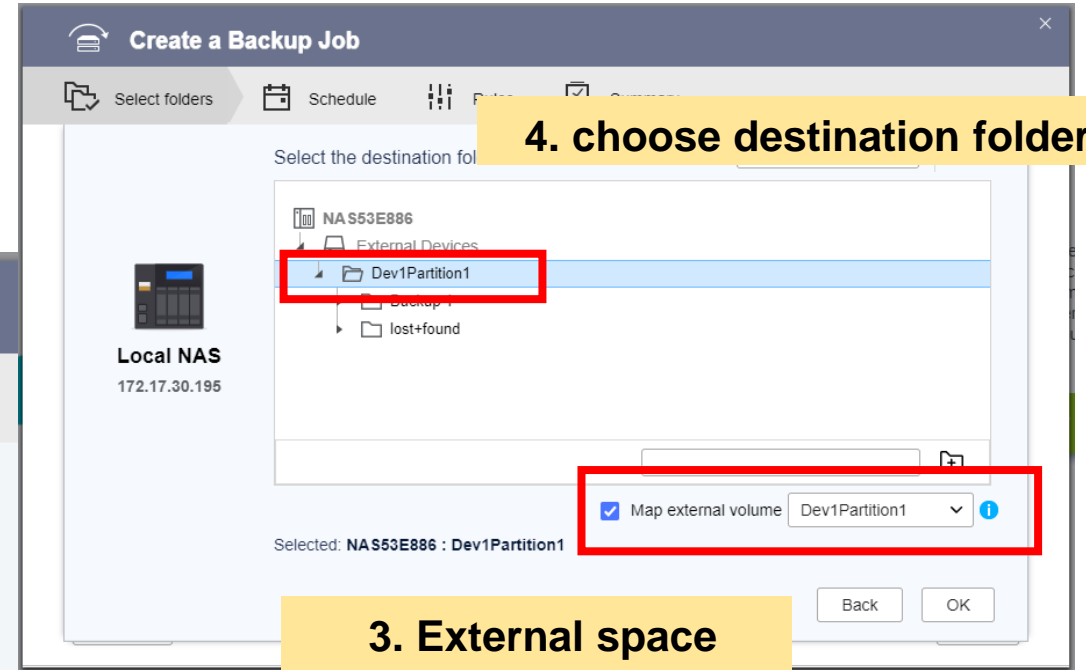
## 1. Choose resource folder



## 2. choose destination



## 4. choose destination folder



## 3. External space

# Schedule to make backup job

**1.**

Create a Backup Job

Select folders | Schedule | Rules | Summary

Backup 1

Local NAS 172.17.30.195

Local NAS 172.17.30.195

Selected: 1 folders → Path: Dev1Partition1

Total folders: 3 folders  
Total files: 7 files  
Total size: 122.21 MB

Source Folders

Cancel Next

**2.**

Create a Backup Job

Select folders | Schedule | Rules | Summary

Job settings:

Estimated RPO: -- days -- hours -- minutes

Job Name: Backup 1

Source/Destination:

Local NAS 172.17.30.195 → Local NAS 172.17.30.195

Selected: 1 folders | 122.21 MB Path: Dev1Partition1/Backup 1

Source Folders

Schedule: No schedule

**Schedule backup**

Create a Backup Job

Select folders | Schedule | Rules | Summary

Set the job schedule:

Scheduler  
Up to 30 schedules can be created.

Run after job: Select a job  
This job runs every time the selected job has finished running.

No schedule

Auto-backup  
The job runs each time an external storage device is connected to the NAS.

Backup now  
 Eject external volume after completion

Cancel Back Next

**3.**

**Success**  
Previous backup: 2021-02-08 11:05

Local NAS  
TS-130  
172.17.30.195

Source:  
**1 folders**  
StanleySnap

Total files:  
**4**

Total size:  
**122.21 MB**

Filtered files:  
**0**

# Restore your backup files from HBS 3

## 1. Create restore job in HBS 3

The screenshot shows the 'Create a Restore Job' wizard in HBS 3. The 'Job Name' is 'Restore 1'. The '2. Choose external drive' step is highlighted. A red box highlights the 'Source' and 'Destination' configuration. The 'Source' is set to 'Backup 1' and the 'Destination' is set to 'Original location'. Both are mapped to a 'Local NAS' at IP address 172.17.30.195. The 'Selected' count is '1 folders'. There is a 'Skip deleted data' checkbox which is unchecked. 'Cancel' and 'Next' buttons are visible at the bottom.

## 3. set local as Destination

The screenshot shows the 'Create a Restore Job' wizard in HBS 3. The '3. set local as Destination' step is highlighted. A red box highlights the 'Confirm job settings' section. The 'Job Name' is 'Restore 1'. The 'Source/Destination' is shown as 'Local NAS 172.17.30.195' with a green double-headed arrow between two instances of 'Local NAS 172.17.30.195'. The 'Source backup job' is 'Backup 1' and the 'Original location' is 'Original location'. The 'Version' is 'Latest version : 1 folders'. The 'Conflict policy' is 'Rename local files' and the 'Schedule' is 'No schedule'. 'Cancel' and 'Restore' buttons are visible at the bottom.

## 4. "Restore"

# Data protection for 1-bay NAS



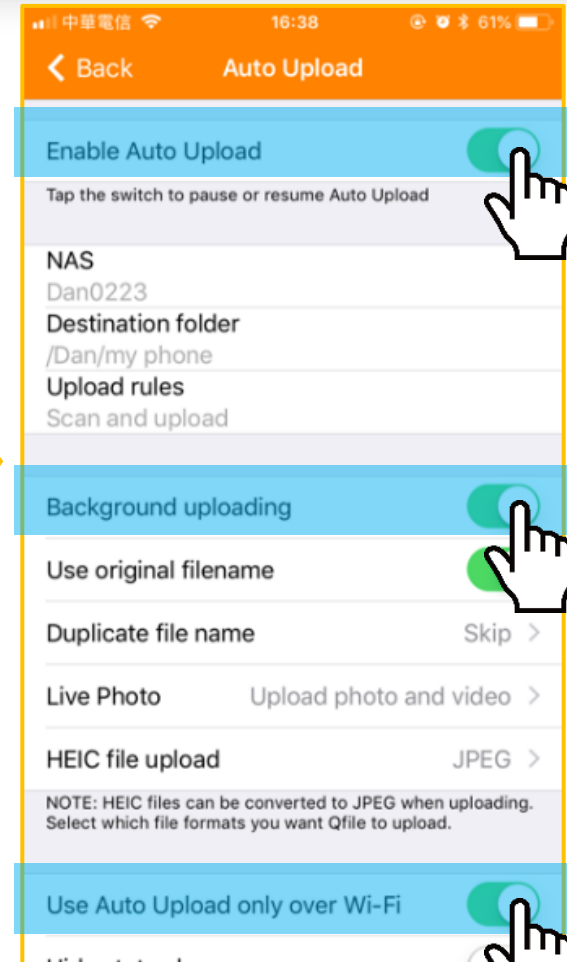
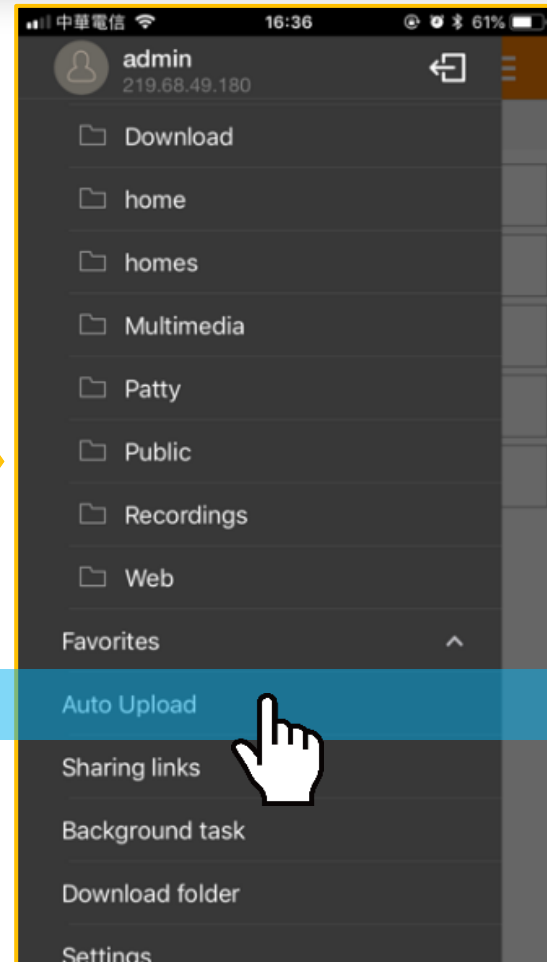
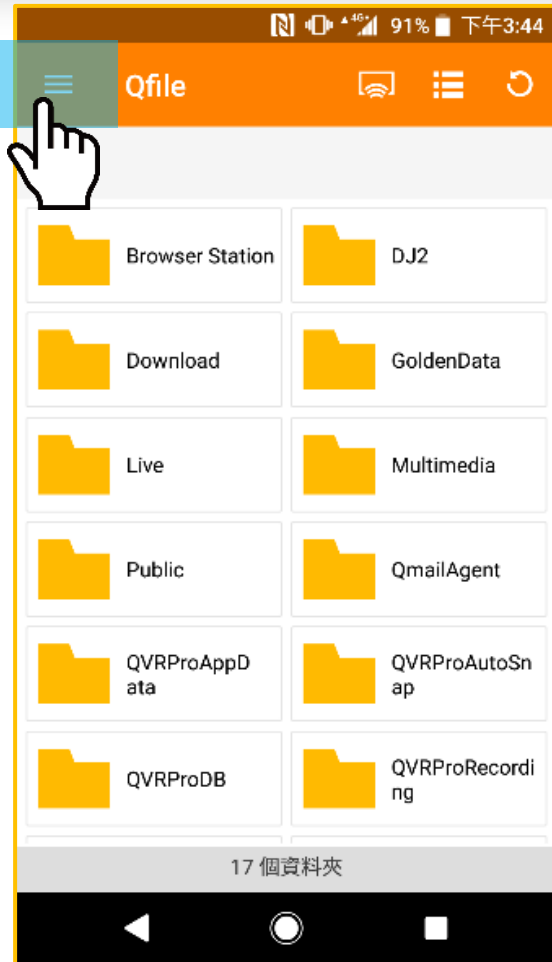
	<b>Backup file</b>	<b>Schedule</b>	<b>Destination</b>	<b>Purpose</b>
<b>HBS 3</b>	<b>Shared-folders/ Files</b>	<b>Support</b>	<b>1.Local 2.External drive 3.Remote NAS 4.Cloud stroage 5.TR-004/002</b>	<b>Backup/protect data</b>
<b>Snapshot</b>	<b>LUN/volume</b>	<b>Support local schedule (Manually export to external drive)</b>	<b>1.Local 2.Remote NAS 3.TR-004/002</b>	<b>Protect your data from ransoware with export to extenal drive.</b>

# Multi-media



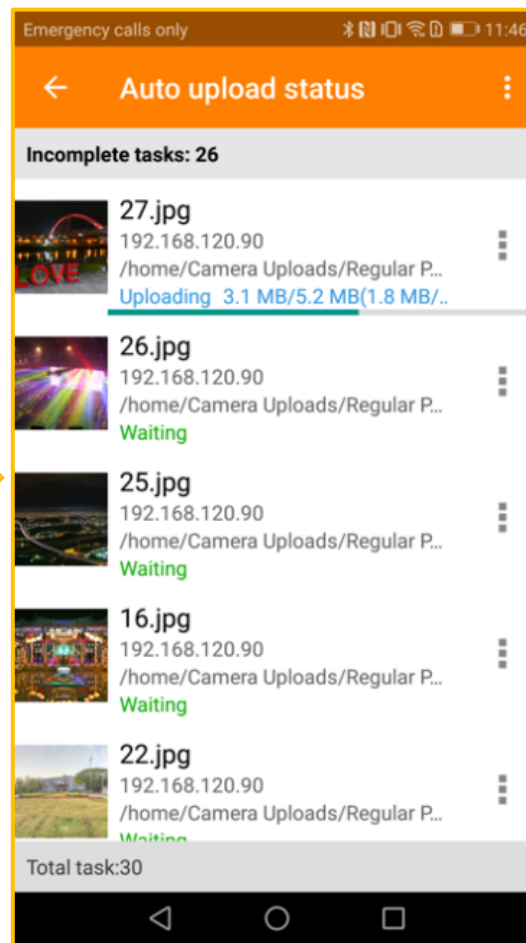
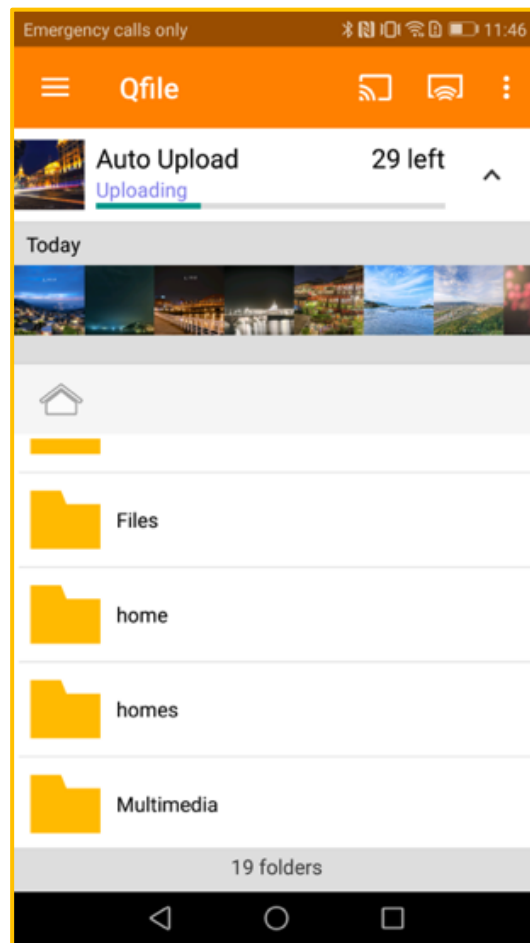
# Set auto-upload for photos & videos on your phone

## Support background upload!

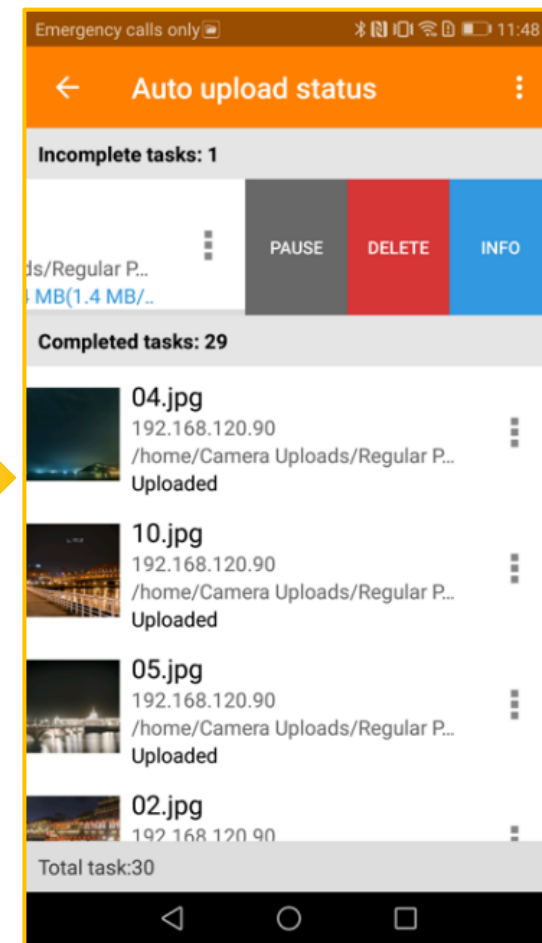


# Save your cellular data by setting up only WiFi upload

## View uploading status

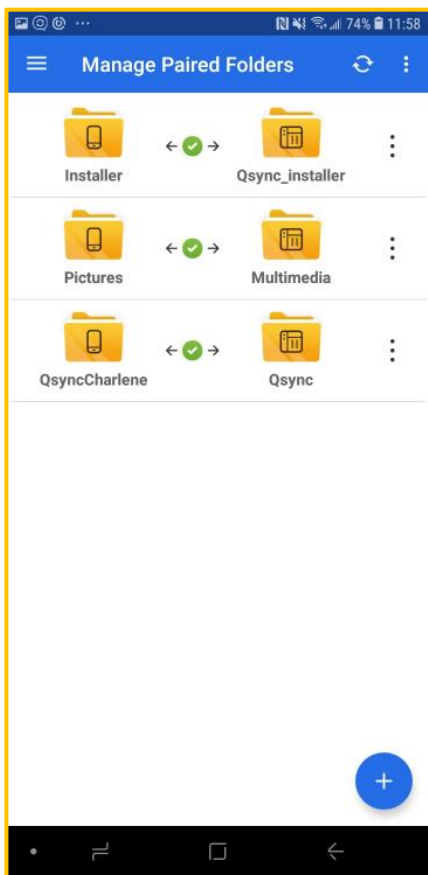


## Stop or Pause anytime

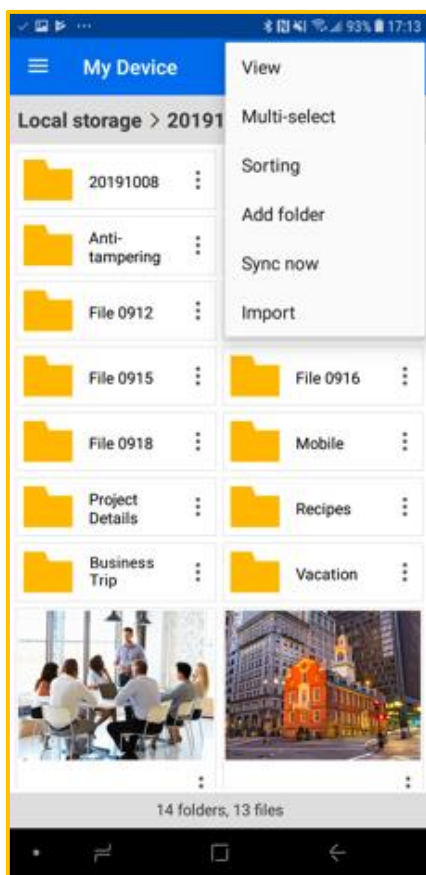


# Sync your phone and NAS with Qsync

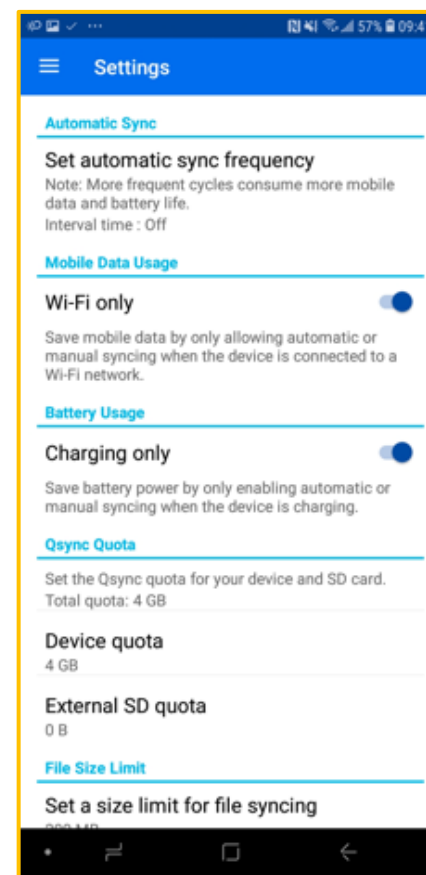
## Pair folder to sync



## Sync photos to NAS



## Auto-sync when WiFi connected or phone charging





# Sync up your file via Qsync

Sync to devices & Sharing to friends



- **One-Way sync**

Upload from device: The device is the source side and always get the latest data.

Download from NAS: Announced information to all member

- **Two-Way sync**

Standard synchronization process, both side will be the same.

- **Filter setting on device side**

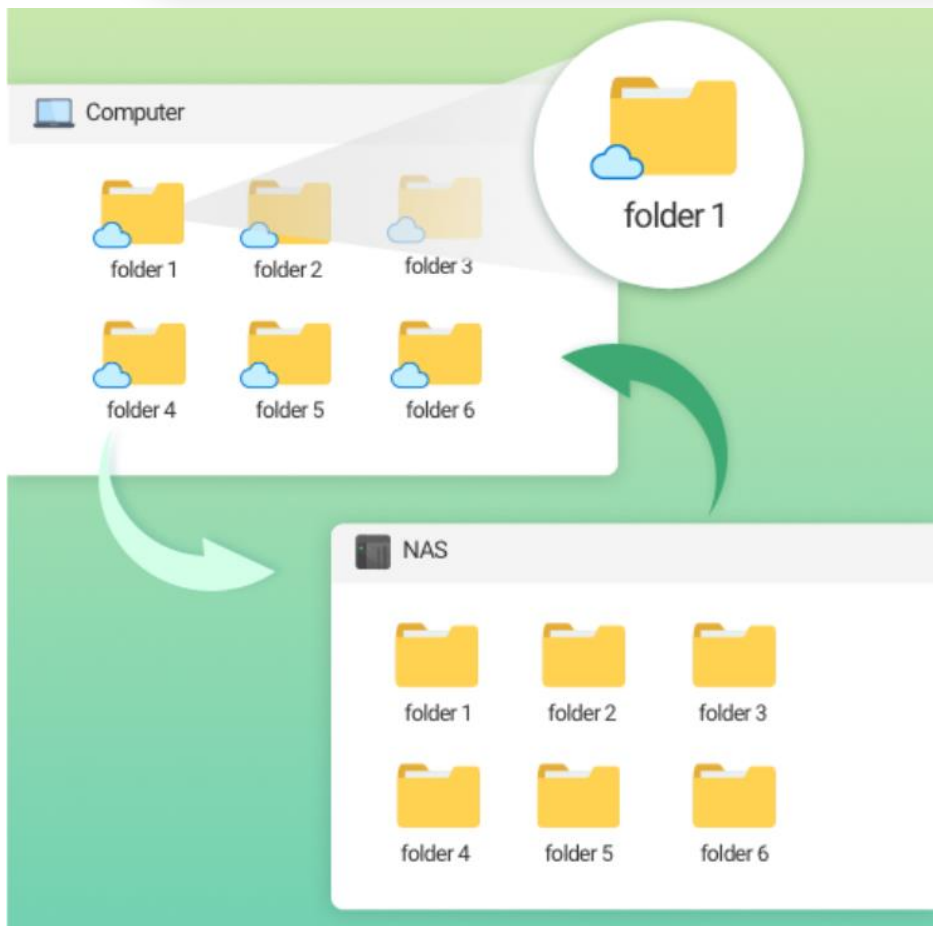
Specify the file extensions which users don't want to sync.

- **Smart Delete**

User could remove the local file but still keep those copies on the NAS to save the local storage space.



# Qsync 5.0 space-saving mode



Windows



MACOS



**Always available**

Always keep on this device.



**Locally available**

Available on this device



**Online-only**

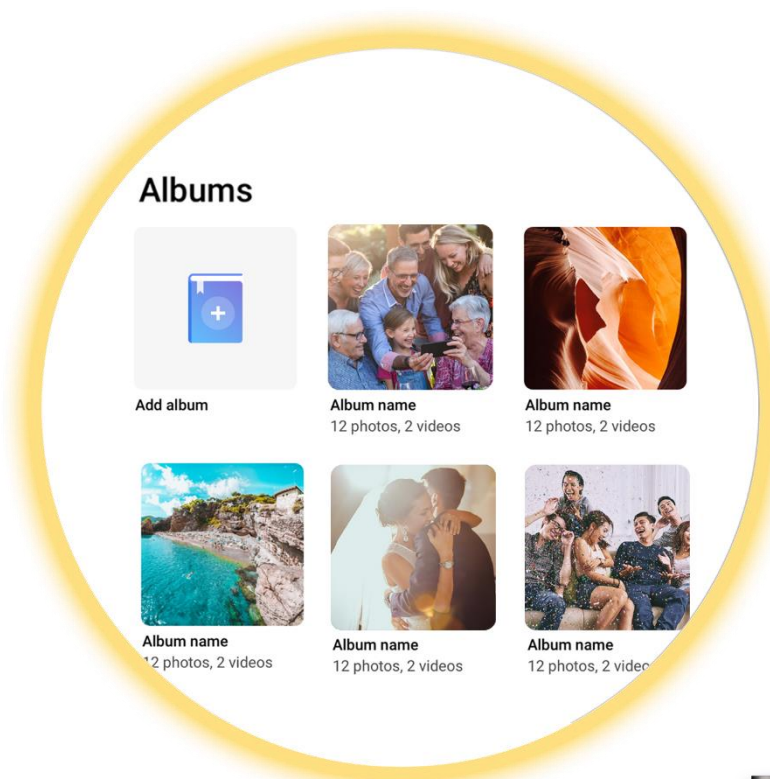
Free up space but keep on NAS



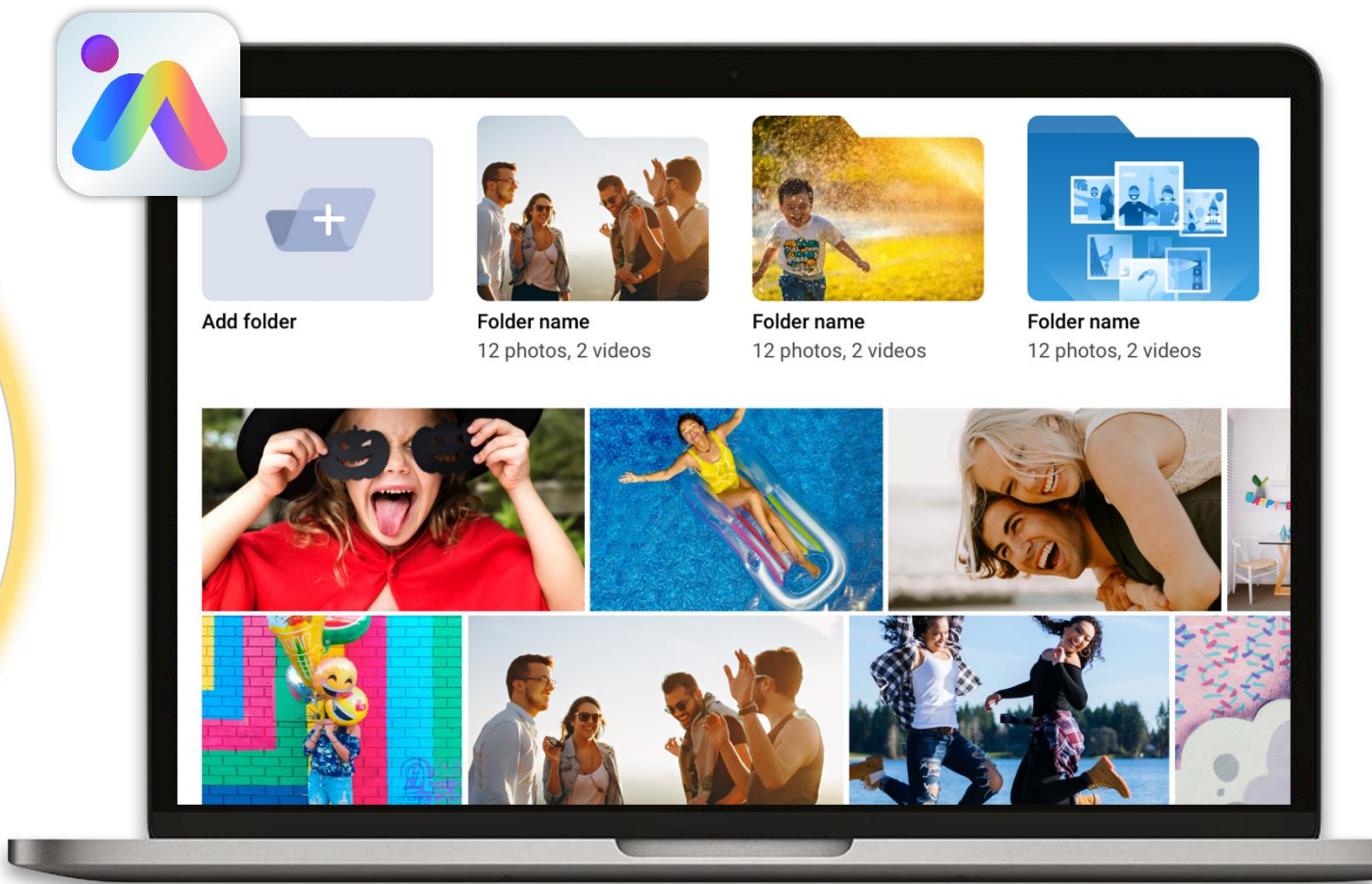
**Changing status**

# Sort your photos in QuMagie album

## Album mode

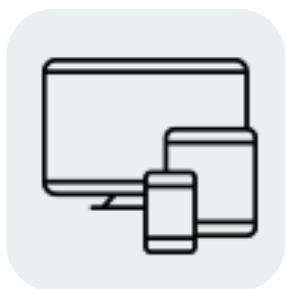


## Folder mode



# More function for QuMagie !

QuMagie mobile APP support 「Auto upload」 !



Backup  
cross-device



Personal  
album



Sharing  
photos



Support iOS® Live  
Photo preview

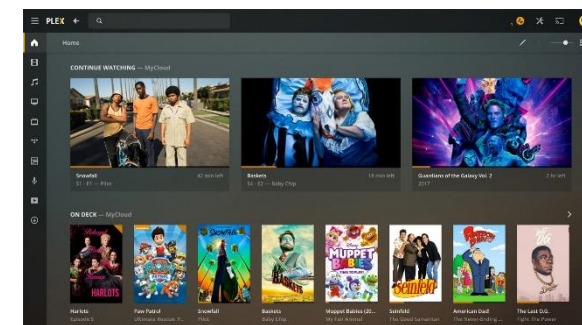
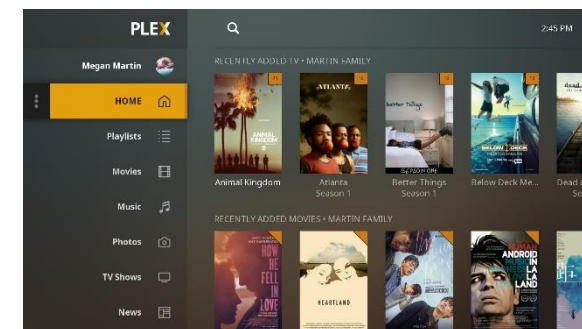


# Plex personal media center

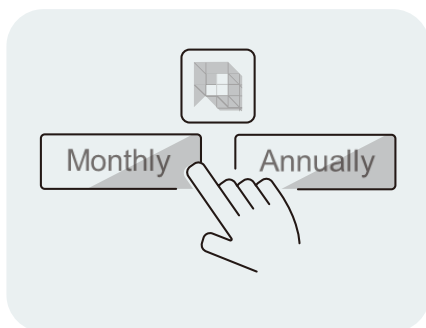
**PLEX**



- **Friendly UI**
- **Support many devices**
- **Access & play anytime**
- **Support many formats**
- **Sharing media**

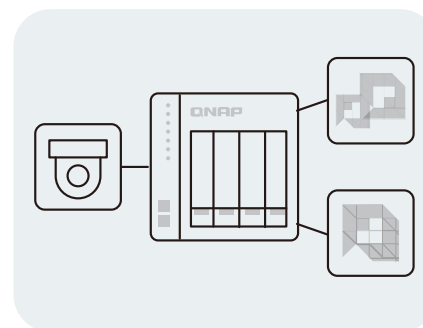


# New surveillance application - QVR Elite



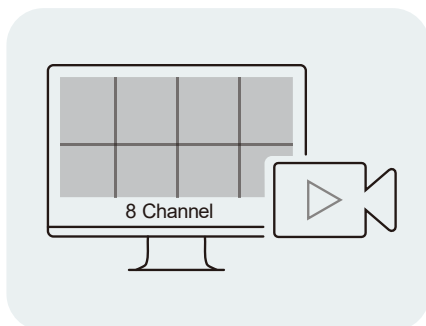
## Flexible subscription plan

QVR Elite is subscription-based. You can build a robust surveillance system with a low-cost monthly price of US \$1.99 per channel.



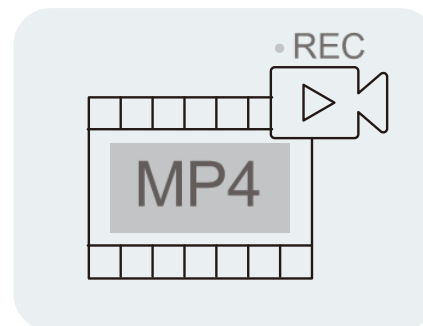
## Easily Monitor with QVR Pro Client

The QVR Pro Client software can be installed on Windows® and macOS®, allowing you to monitor from different platforms to take full control over monitored areas.



## Includes 2 Free Channels

Expandable to 8 Channels for TS-130.



## Records using the MP4 format

QVR Elite records video files in the universally-supported MP4 format, allowing for smooth playback on all your devices.

# TS-130 fulfill all media entertainment and data protection needs for home users



**Sharing your life moments**



**Selfie and sharing to social media**



**Save your memories**



The QNAP logo is located in the top right corner of the image. It consists of the letters 'QNAP' in a bold, black, sans-serif font. The letter 'Q' has a distinctive white swoosh that extends from the top left and curves around the bottom left of the letter.

# TS-130

**Small thing, Big surprise**

Personal storage center