![UNITEX logo] **UNITEX** The Innovator, Computer Storage

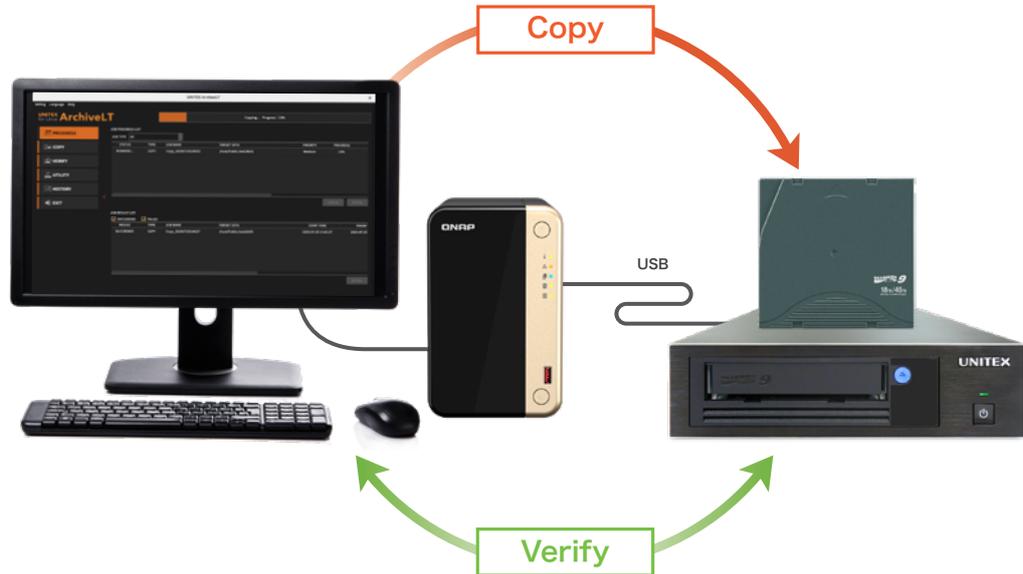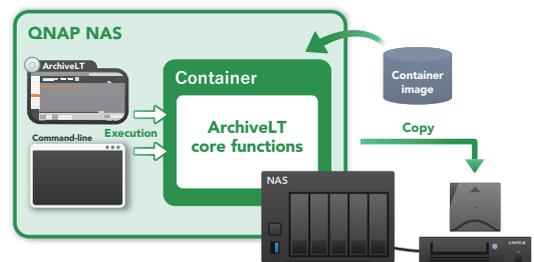**LTO Data Copy Software**

UNITEX ArchiveLT QNAP

High-Speed Copy and Verify from QNAP NAS to LTO
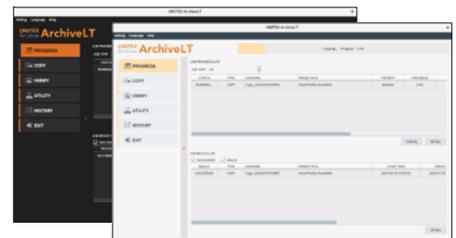Simplified and secure data storage compatible with Ubuntu Linux Station

Features

- **Since GUI-based operation is supported on Ubuntu Linux Station, QNAP NAS can be used as a control terminal for LTO by connecting a monitor and keyboard**
- **Easy installation via App Center**
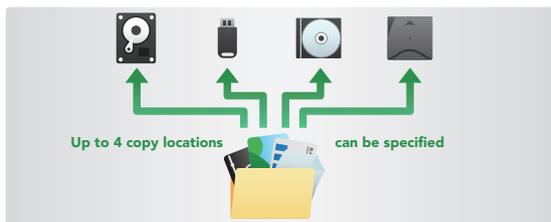- **CUI operation is also supported**

Functions Overview

- **Sequential job execution with simple operation**
- **Simultaneous copy to maximum four media**
- **High speed copy by UNITEX unique algorithm**
- **Confirm the exact match of copy data by Automatic verify function**
- **Job history management**
- **Data copying from cloud storage**

· Dark and light modes are switchable.

UNITEX Corporation

UNITEX ArchiveLT QNAP LTO Data Copy Software

Details of functions

● Copy / Verify

Up to 4 copy locations   can be specified

- Simultaneous copy/verify to maximum 4 media
- High speed copy by UNITEX unique algorithm
- Simultaneous LTO tape copies for backup and recovery, without sacrificing transfer speed
- Additional copy jobs can be added sequentially during copying, allowing for continuous execution.
- Copy job execution supports configuration of the "If the file already exists" *.

  *Users can customize the software's behavior when duplicate data is detected, including scenarios like re-execution after an error.

Overwrite	Overwrite all files
Overwrite Updated Files	Overwrite updated files only
Error	Stop job with an error
Skip	Skip existing files, process others only

- "Verify Mode (Binary, Hash, FileSize)" configurable
- This feature supports long-term preservation level 3 (File-by-file byte comparison) for digital data integrity verification as defined in JIS Z 6019.
- Confirm the exact match of copy data by Automatic verify function.
- Hash value verification mode ensures data integrity without re-accessing the source data.
  *Hash function : MD5 / SHA-1 / SHA-256
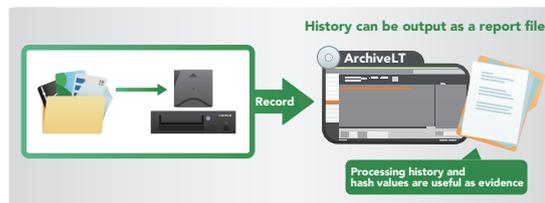
● Utility

- Users can view drive and tape information and format to LTFS.
- Other features : eject / repair / rollback

● Automatic mount

- LTO tapes are automatically mounted upon insertion into the drive.
- Detailed settings are available, such as specifying mount points and enabling or disabling drives.

● Job history management

- Automatic execution result reports are generated at the completion of Copy, Verify, and Format jobs.
- Enables search for job execution history and confirmation of the detailed job result.
- Enables to check not only job result but also copy/verify result per file/folder at Job history management window.
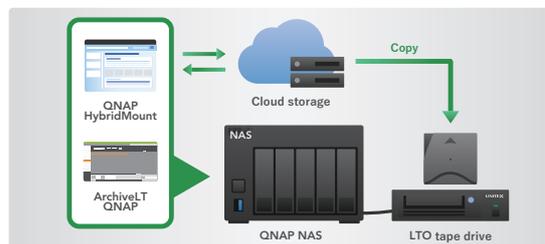- It is possible to use for confirmation of file consistency by checking hush value.

History can be output as a report file

ArchiveLT

Record

Processing history and hash values are useful as evidence

● Cloud-to-LTO Data Storage

- Combining with QNAP HybridMount enables data storage from other NAS or cloud services to LTO.
  *Supported cloud storage
   Dropbox / Google Cloud / OneDrive / wasabi etc.

QNAP HybridMount

ArchiveLT QNAP

Cloud storage

NAS

Copy

QNAP NAS   LTO tape drive

QNAP NAS Compatibility Confirmed Models

● TVS-h674

● TS-873A

● TS-264

● TS-h765eU

* For products not listed, please contact us.

System Requirements

Item	Support device and environment
CPU	Recommended Processor Speed : 2.5 GHz or above (Recommended: 2 CPU cores per LTO drive)
Memory	Recommended: 8GB or above In addition, 1GB of memory is required for every 1 million files on a single LTO (LTFS) tape. (When using multiple LTO devices simultaneously, memory is required for the number of LTO tapes used concurrently.)
Storage	20GB or above
Display	WXGA resolution or above
Recommended Interface	USB3.0 or above *When connecting a USB device / SAS 6Gbps or above *When connecting a SAS device
Support OS	Ubuntu 22.04 LTS (x86_64) / Ubuntu 24.04 LTS (x86_64)
Support Device	● LTO single drive LT90H/LT80H2/LT80H/70H2/70H/70/ 60H/60/50H/50 (USB/SAS) ● LTO rackmount drive LT90H//LT80H2/LT80H/LT70H2/70H/70/ 60H/60/50H/50 (USB-RM/SAS-RM) ● Dual LTO Series ● Flash Memory / Disk Storage
Support Media	● LTO ULTRIUM cartridge (LTFS format) [*1] ● Flash Memory / Disk Storage [*1] WORM media is not supported.

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