EditShare®

ARK TAPE

Secure management of media on Tape and Disk

NOW SUPPORTS LTO-8

The EditShare Ark Platform

Whether you need to keep a backup copy of your media and project files, or you want to permanently archive onto lower-cost and more energy efficient storage, there is an EditShare Ark solution for you.

Ark Tape provides an integrated solution for customers who want to have a safe copy of their media that can be easily transported off-site, or for those who want an easy and energy-efficient solution for archiving media and projects from their EditShare storage systems.

Ark Disk is based on hard disks that are spinning all the time – offering the advantage of high performance for backup, archiving, and restoration tasks.

Ark Master is an easy-to-use, intuitive user interface for installing, configuring and managing both Ark Tape and Ark Disk. Ark Master can be hosted on Ark Tape servers, Ark Disk servers or on EditShare All-in-One Storage servers.

Powerful Integrated Workflows

The design of Ark makes it easy to integrate into your workflow. Ark is "EditShare Storage Aware" so as you define an Ark Job, you'll see a listing of all your EditShare Media Spaces and Project Spaces in the Ark User Interface.

When you have Ark Disk and Ark Tape, you can easily configure Ark Jobs to copy files from Online Media & Project Spaces to Ark Disk and from Ark Disk to Ark Tape. Managing the migration of files from "online" to "nearline" to "offline" has never been more straight forward.

Combining any Ark solution with Flow Browse provides you with powerful features such as automatic creation of proxy files for all archived clips, capability to search for and browse proxy files for any archived clip, a status view for all archived clips: online, archived, online + archived, offline, and the ability to restore individual clips from your archive, all without leaving the Flow Browse user interface.

Ark Tape Highlights

- Supports all LTO Ultrium tape formats including LTO-8 and LTO-7 Type M
- LTO Ultrium is the lowest cost long-term storage option
- Up to 12TB (native) capacity per tape and 360 MB/s transfer rate
- Ark Tape jobs are incremental, only new content is archived saving time and money
- Supports any number of "Tape Pools"
- Supports library configurations with as many as 560 online tapes and any number of offline LTO tapes
- Supports execution of multiple Ark Jobs
- Variable bandwidth limits to guard against impacting online storage performance

LTO Tape Drives and Media

EditShare Tape Libraries are available with LTO Drives in LTO 6, LTO 7 and LTO 8 formats and all are available with either SAS or Fibre Channel connections.

EditShare supplies a range of competitively-priced LTO media and consumables including blank LTO 6, LTO 7 and LTO 8 tapes, LTO Cleaning tapes, generic tape bar-code labels and pre-labeled LTO 7 Type M tapes.
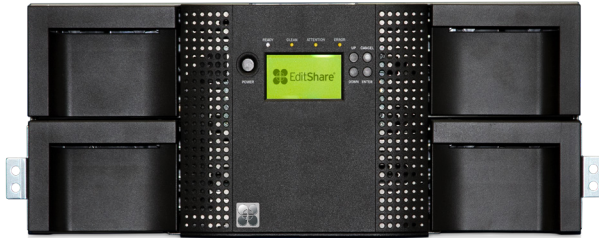
EditShare LTO Tape Libraries

EditShare 8Q – compact 1U library with 8 tape slots and 1 LTO half-height drive slot

EditShare 24Q – 2U library with 24 tape slots and 2 LTO half-height drive slots

EditShare 48Q – 4U library with 48 tape slots and 4 LTO half-height drive slots

EditShare 40Q – Expandable 3U library with 32 tape slots and 3 LTO half-height drive slots

EditShare 80Q – Expandable 6U library with 80 tape slots, 6 LTO half-height drive slots and dual power supplies

Ark Master Software Administration

▸ Install wizard for automatic configuration

▸ Clear and streamlined user interface (UI) designed for video workflows and aware of all EditShare storage locations

▸ Manage disk and tape activities from the same UI

▸ Create scheduled jobs or run individual jobs manually

▸ Repeat jobs hourly, daily, weekly, or monthly

▸ Backup/archive directly from EditShare media spaces and project spaces

▸ Supports execution of multiple simultaneous jobs

▸ Pre-flight check system to ensure jobs will run as scheduled

▸ Progress Indicator with file count and estimated time to completion

▸ Full job completion reporting including file lists

▸ Variable bandwidth limits can be scheduled to avoid compromising the performance of online storage

▸ Complete archive and backup tolls including LTO tape management

▸ Create multiple tape pools for different projects or for multiple repositories

- Restore EditShare Spaces, selected files, or all files to the exact state they were in when any Ark Tape Job was run
- Support for out-of-library tapes
- Supports multiple Ark Disk servers
- Supports all file types, with individual file restoration of media from mainstream NLE systems such as Avid, Final Cut Pro, Lightworks, and Adobe Premiere Pro®

Special Features when used with EditShare Flow

- Proxy video files are automatically created for all media copied to Ark, enabling browse, search, and viewing of all clips stored on Ark
- The status of all clips is shown in Flow Browse: online, archived, online + archive, or offline
- Authorized users can restore individual clips from within Flow Browse application
- The media space restore destination can be chosen by the user from within the Flow Browse client
- Users can delete individual media files from Ark Disk
- Users can partially restore clips archived on Ark Disk based on marking 'in' and 'out' points
- Users can get an instant visual indication of which parts of a clip have already been restored

Technical Specifications - Tape Library

Tape Library	8Q	24Q	48Q	40Q/40QX Expandable	80Q/80QX Expandable
ELECTRICAL					
Power Supplies	1	1	1	40Q: 1 std, 1+1* 40QX: none, 1* or 1+1*	80Q: 1+1 std 80QX: 1+1 std
Input Voltage	100 – 127 VAC, 200 – 240 VAC			100 – 240 VAC	
Input Frequency	50 – 60 Hz				
Power Consumption	80 W	440 W	300 W	350 W	
ENVIRONMENTAL					
Operating Temperature	10°C (50°F) to 35°C (95°F)			5°C (41°F) to 35°C (95°F)	5°C (41°F) to 40°C (104°F)
Operating Humidity	15% RH to 85% RH (non-condensing)			10% RH to 80% RH (non-condensing)	
Storage Temperature	40°C (-40°F) to 60°C (140°F)				
Storage Humidity	5% RH to 90% RH (non-condensing)				
THERMAL EMISSIONS					
Typical Thermal Output	273 BTU/hr	1500 BTU/hr	1023 BTU/hr	1195 BTU/hr	1195 BTU/hr
DIMENSIONS					
Width/Height/Depth (inches)	17.5 x 1.8 x 31.1	17.6 x 3.5 x 29.2	17.6 x 6.93 x 39.1	18.7 x 10.55 x 35.1	18.7 x 10.55 x 35.1
Width/Height/Depth (mm)	444.5 x 45.6 x 789.5	448 x 89 x 740	448 x 176 x 993	475 x 268 x 892	475 x 268 x 892
WEIGHTS					
Base Module	11.4 kg / 25 lb	15.6 kg / 34 lb	24.3kg / 53.6 lb	25 kg / 55 lb	35.5 kg / 78.2 lb
Exp Module	n/a	n/a	n/a	18kg/40lb	31.0 kg / 68.3 lb

*optional

Technical Specifications - Ark Tape Gateway

Ark Tape Gateway Server

Key Features

▸ 64-bit Linux Operating System

▸ 6th-generation Intel Skylake microarchitecture

▸ Integrated Dual port 10G NICs

▸ 16 GB DDR4 - 2400 MHz ECC High Speed RAM

▸ Mirrored 320GB 2.5" OS drives, hot-swappable, front-accessible

▸ Redundant, hot-swappable power supplies (1+1)

▸ Redundant, hot-swappable fans (1+1+1)

▸ Dual USB ports, front-accessible

▸ 2U Chassis with 26" tool-less slide rail and covers

▸ SAS or Fibre Channel HBA for library control

Technical Specifications

ELECTRICAL

Input Voltage	100-240 VAC
Input Frequency	50/60 Hz
Power Consumption (steady state/peak)	100/120 W

ENVIRONMENTAL

Operating Temperature	0°C (32°F) to 50°C (122°F)
Operating Humidity	5% to 95%, non-condensing
Storage Temperature	-20°C (-4°F) to 60°C (140°F)
Storage Humidity	5% to 95%, non-condensing

THERMAL EMISSIONS

Typical Thermal Output	341 BTU/hr

DIMENSIONS

Width/Height/Depth	427 x 88 x 574 mm 16.8 x 3.5 x 22.6 in

WEIGHTS

Shipping Weight	20.8 kg / 46 lb
Racked	14.0 kg / 31 lb