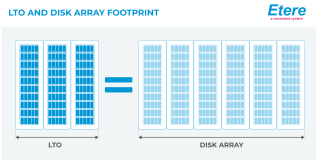
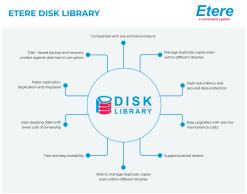
EA6777 ETERE DISKLIBRARY

Etere DiskLibrary is an innovative software solution designed for efficient archive management using sleeping disks. Offering a cost-effective and forward-thinking alternative to traditional LTO and ODA libraries, it empowers users with seamless integration of mixed archive enclosures and diverse disk technologies within a single system. This adaptability ensures a perfectly tailored approach to data protection and storage, meeting the evolving demands of modern digital environments.

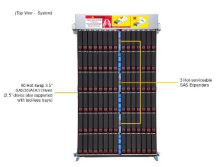
Better results



LTO & Disk Array Comparision



Etere DiskLibrary



Supermicro Storage Superserver

Etere DiskLibrary delivers a breakthrough in disk-based media storage, seamlessly blending high-performance functionality with cost efficiency. Designed to maximize the potential of your media library, it harnesses cutting-edge technology to provide a secure, scalable, and optimized archive solution.

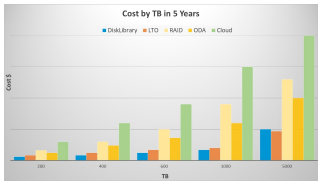
Unparalleled Security with One of the Lowest Lifetime Costs
Etere DiskLibrary is a more cost-efficient alternative to LTO tapes and ODA. Its key features include flexibility and interoperability, enabling users to utilise a wide range of archive enclosures instead of being restricted to a specific type. For long-term benefits, Etere DiskLibrary ensures easy maintenance and upgrades. Its ultra-fast data retrieval capability is especially well-suited for Newsroom applications and Media Asset Management (MAM), where fast access to data is important. This easily expandable system with a small footprint seamlessly integrates into any infrastructure. Etere also offers the flexibility to add high-capacity disks as your archiving requirements grow.

Etere Future-Proofs Your System – Flexible Disk Drive Expansion for Ultimate Scalability
Etere DiskLibrary redefines media storage flexibility, allowing disk drives to be mixed and added as needed. This eliminates vendor lock-ins and minimizes the risk of obsolescence, ensuring your storage solution evolves alongside your requirements. Fully scalable and adaptable, Etere DiskLibrary empowers you with a future-ready archive that seamlessly grows with your needs, providing both security and cost-efficiency.

Mixed Capacities and Technologies from Different Vendors for a Tailored Fit
Etere facilitates the integration of disks with diverse capacities, speeds, and recording technologies from different vendors on a slot-by-slot basis. This caters to the varying needs of multiple user groups even from within a single environment. The absence of vendor lock-ins and dependencies empowers you to optimise your archive according to the latest technological advancements and the needs of your team.

High-Density Storage with Superior Energy Efficiency
Etere DiskLibrary optimizes storage with its innovative 'sleeping disks' technology, drastically reducing power consumption while extending disk longevity. When idle, disks automatically enter a low-power sleep mode, causing the hard drive to spin down. The moment a process requires access, the system seamlessly reactivates the drive for immediate use.

Offering a cost-effective solution, Etere DiskLibrary stores up to 1 petabyte for less than LTO technology. Designed for broadcasting environments where long-term data retention is crucial, it delivers enhanced flexibility and security at a lower cost. Unlike LTO, which restricts file access with linear limitations, Etere DiskLibrary supports unlimited I/O, ensuring uninterrupted workflows.



Bar Chart of costs

Etere
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	ETERE DiskLibrary	Alto	Tape LTO-5	Tape LTO-7	RAID System	Cloud Glacier	Cloud S3
Cold Data Access Speed (ms)	YES	No	No	No	Yes	No	No
Stored Data Lifetime-100 years or more	YES	Yes	No	No	No	NA	NA
Ultra Low Electricity Consumption	YES	Yes	No	No	No	NA	NA
Very Low Housing Costs	YES	Yes	No	No	No	NA	NA
Very Low Maintenace	YES	Yes	No	No	No	NA	NA
100% Ownership Costs	YES	Yes	No	No	No	No	No

Comparision Chart of DiskLibrary

Furthermore, its streamlined maintenance and straightforward upgrade path make Etere DiskLibrary a smart choice for organizations prioritizing efficiency and reliability in archival storage.

High Reliability and Security
Etere prioritises the security of your valuable media and data. It conducts pre-scheduled data duplication to prevent data loss due to a single failure and provides user-configurable protection. Data can be replicated for backup, archiving, or disaster recovery with single, double, or triple replication options. Etere also automatically and periodically regenerates hard disks to prevent any data loss. Etere offers enhanced data protection by writing complete data files to multiple locations on different disks while allowing the disks to be spun-down securely. Even in the most challenging environments, Etere gives you the reliability and security for a seamless operation.

Hybrid Tape and Disk Archive Software for Long-term Storage
Etere DiskLibrary is a high-performing solution that functions independently and as part of a hybrid disk and tape system, empowering organisations to select the most suitable solution based on their organisation's requirements. Choosing a tailored archival solution that aligns with your organisation's needs ensures regulatory compliance, cost efficiency, risk mitigation, and the fulfilment of operational objectives, all while future-proofing your investments.

Optimize Storage Flexibility: Acquire Disk Drives as an Operational Expense
Customers can seamlessly expand their storage capabilities by purchasing disk drives as needed, aligning with our forward-thinking Enterprise Value Proposition. Rather than committing to a capital investment, disk drives can be acquired as an operational expense, ensuring agility and cost efficiency while adapting to evolving business requirements.

Etere DiskLibrary Offers Better Protection than RAID
Etere writes complete data files to multiple locations on different disks, allowing disks to be spun-down safely and with the additional benefit of removable media. This replication technique offers superior user-configurable protection, removable media and superior disaster recovery capability by storing non-segmented files.

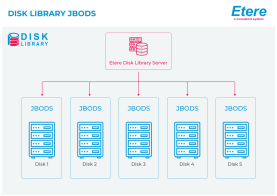
Advanced Replication – Optimizing Space with Etere DiskLibrary:
Etere DiskLibrary provides versatile replication configurations designed to enhance efficiency, ensure resilience, and optimize storage utilization. By tailoring replication strategies to specific operational needs, users can achieve seamless data protection and space management. Examples include,

■**Backup – Single Replicated Copy on Etere:** This replication process maintains a secondary copy of each file on a separate storage system, ensuring cost-effective incremental backups.

■**Standard Archive – Two Replicated Copies on Etere:** The default configuration creates two copies of each file, stored on different disks for enhanced protection. Unlike mirroring, Etere DiskLibrary employs replication, allowing these copies to be located in geographically distinct locations. They can reside within the same chassis in a single system or across different chassis for increased resilience.

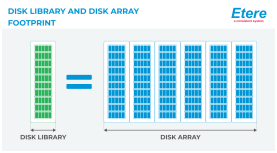
■**Disaster Recovery – Three Replicated Copies on Etere:** This setup is ideal for safeguarding data in case of emergencies, it ensures a Disaster Recovery Archive in a separate geographical area, such as another office. In some cases, customers are using this configuration to maintain a physical shelf archive as the ultimate backup option.

Key Features



☐ All-in-one software-based disk library solution that works with a simple PC setup
☐ Ultra-low setup and maintenance costs
☐ Use disk from any vendor - no disk vendor dependency
☐ Mix disks from multiple vendors with different capabilities
☐ Fast deployment and easy scalability
☐ Lower carbon footprint with sleeping disks that spins down disks that are not in use
☐ Lower power consumption compared to LTO and ODA
☐ Completely scalable for all needs, from small teams to multi-petabyte enterprise archives
☐ Faster content restorations
☐ Fewer content vulnerabilities for better security
☐ Smaller Footprint, up to 1.3 PB using just 10U of rack space
☐ Cost advantage over LTO for capacities up to 1 PB
☐ Unlimited bandwidth
☐ Easy upgrades, supporting a mix of different generations and hardware in the same system
☐ Compatible with JBODS and MAID, offering cost-effectiveness and interchangeability
☐ Disk backup provides higher reliability, faster data retrieval, and faster write speeds
☐ Centralised database for archival records
☐ Fast access - less than 2 seconds to retrieve any data and access multiple data points concurrently
☐ Cluster multiple disk archives to create a geographically distributed archive
☐ Off-premise deployments, configurations and upgrades at distributed locations
☐ Provides both logical and physical redundancies that protect your data
☐ Customisable settings for user rights
☐ Distributed architecture ensures a fault-resilient and fault-tolerant performance
☐ Supports partial restoration manage restorations according to specific requirements
☐ Able to handle large data capacity with no limitations, suitable for media enterprises
☐ SMPTE 2034 data format
☐ Reads any disk from any computer, standard NTFS file system
☐ Disk encryption prevents unauthorised access

JBODS and MAID



JBODS

☐JBODS-derived from "just a box of disks"
☐Multiple hard disk drives which may be independent or combined into one or more logical volumes using a volume manager
☐Smaller footprint
☐Each drive can be accessed from the host PC as a separate drive
☐Mix different disk sizes in JBODS

MAID

☐MAID stands for Massive Array of Idle Disks
☐Large number of densely packaged disk drives
☐Only active drives are spinning
☐Reduces power consumption-up to 85% more efficient than traditional disk solutions
☐High performance and fast restores
☐Prolongs the life of the drives by more than 6 times
☐Suitable for Write Once Read Occasionally (WORO) application

Disaster Recovery and Data Replication

Etere DiskLibrary clusters multiple disk archives to create a geographically distributed archive that provides logical and physical redundancies. Protection levels can be customised, and media files can be accessed, restored and replicated quickly. In addition, users can select the number of copies to be stored on different disks distributed across different locations. In the event of a disk failure or even a site-wide disaster, Etere DiskLibrary enables data recovery with minimal recovery time, thus ensuring the best data protection for all your digital assets.

Etere DiskLibrary effectively clusters multiple disk archives into a seamlessly interconnected geographically distributed archive, offering a dual layer of redundancy - logical and physical. This sophisticated system allows for tailored protection levels and ultra-fast access, restoration, and replication of media files. Users can select the number of copies to be stored on different disks distributed across different locations. In the event of a disk failure or even a site-wide disaster, Etere DiskLibrary enables data recovery with minimal recovery time, guaranteeing data safeguarding for all your digital assets.

Sample - **Dell Storage - MD1280**

Etere DiskLibrary is compatible with **Dell Storage MD1280 Dense Enclosure** which is an Ultra-dense server storage capacity at an affordable price per gigabyte. The MD1280 operates as a JBOD. Add storage capacity to your PowerEdge servers simply and efficiently to take advantage of the Dell's competitive price per gigabyte.

Storage
Drive performance and capacity:
3.5" NL-SAS 6Gb HDD (7.2K): 4TB, 6TB
3.5" NL-SAS 4kn 6Gb HDD (7.2k): 6TB
3.5" NL-SAS 512e 6Gb HDD (7.2K): 8TB

RAID Controllers
2 Enclosure Management Modules (EMM) provide redundant enclosure management capability

Scalability
Up to 672TB when using 84 x 8TB NL-SAS 3.5" HDDs

Maximum Usable Capacity
Up to 1.3PB when using 2 enclosures, maximum of 168 8TB HDDs

Connectivity
6GB SAS

Chassis
5U, 84 hot-pluggable 3.5" drive bays

Power
Wattage: 2800 AC only
Input voltage range: 200-240 VAC
Frequency range: 50/60 Hz

Management
Server dependent

Sample - **Infortrend - JB 3060**

Etere DiskLibrary is compatible with **Infortrend JB 3060**. Available in single or dual controller configurations, it features hot-swappable modular redundant 80 PLUS power supplies.

Host Ports
☐ Six 12GB/s SAS ports (3 per controller)

Drive Connectivity
☐ 12Gb/s SAS connectivity
☐ S.M.A.R.T. support
☐ Automatic bad-sector reassignment
☐ Dedicated bandwidth to each connected drive

Maximum Number of Drives
☐ 60 Per System

Rack Support
☐ 4U, 19-inch rackmount

Green Design
☐ 80 PLUS-certified power supplies delivering more than 80% energy efficiency
☐ Intelligent multi-level drive spin-down

Availability and Reliability
☐Redundant, hot-swappable hardware modules

PSU
☐Power supplies: Two 1200W
☐AC voltage: 100-127VAC/12.47A, 200-240VAC/7.08A with PFC (auto-switching)
☐Frequency: 47-63Hz

Sample - **Hewlett Packard Enterprise - HPE D6020**

Etere DiskLibrary is compatible with **Hewlett Packard HPE D6020 Disk Enclosure**. The D6020 Enclosure is designed for data-intensive environments and it is a storage enclosure for dense, cost-effective external storage expansion for massive data capacity applications. The zoned direct-attach capabilities of the D6020 Enclosure allows server administrators to build local storage on the fly according to their configuration requirements.

Features
The HPE D6020 Disk Enclosure with dual I/O modules provides a 12 Gb/s SAS unit that is designed with two pull-out disk drawers to support Large Form Factor (LFF) SAS, SAS midline drives or SSDs in just 5U of rack space for customers needing a dense storage option with a low acquisition cost. The simplicity of an in-rack storage solution reduces your expense and complexity from the storage architecture.

Build Local Storage on the Fly for BladeSystem Servers
The HPE D6020 Disk Enclosure with dual I/O modules uses the management software of the 6 Gb/s SAS BL Switch to group D6020 Enclosure units disk drives and assign them to individual blade servers. These drives now appear as local storage to that server. With the D6020 Enclosure models zoned direct-attach capabilities server administrators can build local storage on the fly according to their configuration requirements. Just add additional drives to the D6020 Enclosure and zone to a newly deployed blade server, or add capacity to the zone of an existing blade server configuration. There is no need for complex configuration or rewiring.

High-Performance 12 Gb/s SAS Connectivity to External Storage
The HPE D6020 Disk Enclosure with dual I/O modules delivers 12 Gb/s host connectivity enabling higher performance, eases configuration/deployment and broadens supported features of a D6020 Enclosure using HPE Smart Array P441, P841 or the P741m Controllers or HPE 6 Gb/s SAS BL Switches. With the D6020 Enclosure, applications and storage are installed in the same rack. Latency is reduced as data does not travel over large distances. Solid State Drive support with integrated “wear gauge” helps improves application performance and allows customers to reduce their operating costs by reducing foot prints and power consumption.

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Sample - **Supermicro - SuperChassis 826SE1C-R1K02JBOD**

Etere DiskLibrary is compatible with **Supermicro:Storage SuperServer SSG-542B-E1CR90**

Product SKUs
SuperServer SSG-542B-E1CR90

Motherboard
Super X14SBSC

Processor
☐ CPU: Single Socket E2 (LGA-4710)
☐ Core Count: P-cores: Up to 144C/144T; Up to 108MB Cache
E-cores: Up to 144C/144T; Up to 108MB Cache
☐ Note: Supports up to 350W TDP CPUs (Air Cooled)

System Memory
☐ Memory: Slot Count: 16 DIMM slots
Max Memory (1DPC): Up to 2TB 6400MT/s ECC DDR5 RDIMM
Max Memory (2DPC): Up to 2TB 5200MT/s ECC DDR5 RDIMM

Memory Voltage: 1.1V

On-Board Devices
☐ NVMe: NVMe; RAID 0/1 support
☐ Chipset: System on Chip
☐ Network Connectivity: No NIC option supported

Input / Output
☐ LAN: 1 RJ45 1 GbE Dedicated BMC LAN port
☐ USB: 2 USB 3.0 ports(rear)
☐ Video: 1 VGA port

System BIOS
☐ BIOS Type: AMI 64MB SPI Flash

Management
Software:
☐ SuperCloud Composer®
☐ Supermicro Server Manager (SSM)
☐ Super Diagnostics Offline (SDO)
☐ Supermicro Thin-Agent Service (TAS)
☐ SuperServer Automation Assistant (SAA)

Power Configurations:
☐ Power-on mode for AC power recovery
☐ ACPI Power Management

Security
Hardware:
☐ Trusted Platform Module (TPM) 2.0
☐ Silicon Root of Trust (RoT) – NIST 800-193 Compliant

Features:
☐ Cryptographically Signed Firmware
☐ Secure Boot
☐ Secure Firmware Updates

☐ Automatic Firmware Recovery
☐ Supply Chain Security: Remote Attestation
☐ Runtime BMC Protections
☐ System Lockdown

PC Health Monitoring
☐ CPU: Monitors for CPU Cores, Chipset Voltages, Memory
☐ FAN: Fans with tachometer monitoring, Status monitor for speed control, Pulse Width Modulated (PWM) fan connectors
☐ Temperature: Monitoring for CPU and chassis environment, Thermal Control for fan connectors

Chassis
☐ Form Factor: 4U Rackmount
☐ Model: CSE-947HTS-R2K63P

Dimensions and Weight
☐ Height: 6.96" (177 mm)
☐ Width: 17.6" (447 mm)
☐ Depth: 43.3" (1099 mm)
☐ Package: N/A
☐ Weight: Gross Weight: 225 lbs (102.06 kg)
Net Weight: 130 lbs (58.97 kg)
☐ Palletized Packing: 35.82" (910 mm) x 29.92" (755 mm) x 53.15" (1345 mm)
☐ Available Color: N/A

Expansion Slots
☐ PCI-Express (PCIe) Configuration: Default:
1 PCIe 5.0 x8 (in x8) HHHL slot
3 PCIe 5.0 x16 (in x16) HHHL slots

☐ M.2: 2 M.2 PCIe 4.0 x2 NVMe slots (M-key 2280/22110)

Drive Bays / Storage
☐ Drive Bays Configuration: Default: Total 90 bays, 90 top-loading hot-swap 3.5"/2.5" SAS/SATA drive bays,
Option A: Total 4 bays 4 rear hot-swap 2.5" PCIe 5.0 x4 NVMe* drive bays, Option B: Total 2 bays, 2 internal fixed 2.5" PCIe 5.0 x4 NVMe* drive bays
☐ M.2: 2 M.2 PCIe 4.0 x2 NVMe slots (M-key 2280/22110)

System Cooling
☐ Fans: Up to 1 Counter Rotating 6cm Fan(s)
Up to 6 Heavy Duty 8cm Fan(s)

Power Supply
2x 2600W Redundant (1 + 1) Titanium Level (96%) power supplies

☐ Dimension (WxHxL): 73.5 x 40 x 265 mm
☐ Input: 2600W: 200-240Vac
2600W: 200-240Vdc (For CQC Only)
2600W: 200-240Vac / 50-60Hz
2600W: 200-240Vdc / 50-60Hz (for CQC only)

+12V: Max: 216A / Min: 0A (11.4Vdc-12.6Vdc) (12V output)
Max: 216A / Min: 0A (200Vac-240Vac)

12V SB: Max: 3.5A

Output Type: Backplanes (gold finger)

Operating Environment
☐ Environmental Spec.
Operating Temperature: 10°C to 35°C (50°F to 95°F)
Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)
Operating Relative Humidity: 8% to 90% (non-condensing)
Non-operating Relative Humidity: 5% to 95% (non-condensing)

23/8/2024 Product

Sample - **JetStor - SAS 780JH**

Etere DiskLibrary is compatible with **JetStor SAS 780JH**, an ultra high density 19-inch 4U rackmount JBOD unit that features optional dual controllers, the SAS2 (6Gb/s) or SAS3 (12Gb/s) interface that are designed to fit in with environments that require a highly reliable and continuous data growth. It is also a versatile Disk Expansion system, that is designed for high capacity and scalability storage in IT demands.

Tech Specs
Drive Capacity
SATA 3.5" :1TB (7,200 rpm), 2TB (7,200 rpm), 3TB (7,200 rpm), 4TB (7,200 rpm), 6TB (7,200 rpm), 8TB (7,200 rpm) and 10TB (7,200 rpm) - 780JH single controller only
SAS 3.5": 1TB (7,200 rpm), 2TB (7,200 rpm), 3TB (7,200 rpm), 4TB (7,200 rpm), 6TB (7,200 rpm), 8TB (7,200 rpm) and 10TB (7,200 rpm)
SAS 2.5": 450GB (10,000 rpm), 600GB (10,000 rpm), 900GB (10,000 rpm), 1.2TB (10,000 rpm) and 1.8TB (10,000 rpm)
SSD 2.5": 480GB, 600GB, 800GB, 1TB and 2TB - 780JHD dual controller requires MUX adapters
S.M.A.R.T., NCQ and OOB Staggered Spin-up capable drives supported.
Per enclosure maximum capacity of 800TB when using 10TB SAS or SATA drives.

Technical Specifications
JBOD Controller: 780JH: Single / 780JHD: Dual
Host / Expansion Ports: Four, 6Gb/s or 12Gb/s SAS (SFF-8088) per controller
Disk Interface: SAS2/SAS3/SATA3 (6Gb/s or 12Gb/s)
Drives (unit): 80 hot-swap, 2.5" / 3.5”

Enclosure
Tray lock: Yes
Disk status indicators: Access / Fail LED
Single Backplane: SAS / SATA Cableless
PS/Fan modules: 650W x 4 (w/PFC)
Turbo Fans: Twelve
Power: AC 90V-254V Full Range, 50Hz-60Hz
Amps: 10A for 115VAC, 5A for 230VAC
Default Slide Rail: Post to Post 800mm~1090mm (32"~42")
Optional Slide Rail: Post to Post 750mm~900mm (29"~35")

Environmental
Relative Humidity: 10% to 80% non-condensing (operating), 10% to 90% non-condensing (non-operating)
Operating Temperature: 50°F - 104°F (10°C ~ 40°C)
Physical Dimensions(W x D x H): 19" wide, 37" deep, 7" (4U) high
Weight (Without drives): 100 lb. / 45.5 kg.

Compatibility
Operating Systems: Windows Server 2008/ 2012/ 2012 R2/ 2016, Win 8/Win 10, VMWare ESX Server, vSphere, XenServer, Oracle/Solaris, Linux, MAC OS X, and others to be announced

Safety / EMI: RoHS, CE, FCC, BSMI, UL, cUL, WEEE

Sample - **HGST - 4U60G2 Storage Platform**

HGST 4U60G2 Storage Platform

Scalable Capacity
☐ Up to 720TB in 4U of rack-height. Scalable to 2.88PB

Reliable
☐ 5-year limited warranty on the drives and enclosure

Quicker Integration
☐ Pre-qualified and pre-tested Ultrastar HDD or SSD modules

Enterprise Grade
☐ Hot-swappable components, SCSI Enclosure Services, Microsoft® certified

Expandable
☐ Host connectivity: 4 x HD Mini-SAS ports per I/O module. Supports up to 8 hosts

Key Features
☐ Up to 60 integrated Ultrastar® drive modules
-drive module capacity includes 12TB, 10TB, 8TB and 6TB
☐ Hybrid capability: can be configured with up to twelve (12) 800GB SSDs to create separate performance tiers within the platform
☐ Available with SAS drives for HA applications or with SATA drives for cost-optimized applications
☐ Available with 512e or 4Kn sector size (by part number)
☐ Supports up to 4 storage enclosures for daisy-chaining
☐ Host connectivity: 4 x HD Mini-SAS ports per IO Module
☐ Fully compliant with 12Gb/s SAS 3 interconnect
☐ Hot-swappable components: two power supplies with integrated fans, drive modules, and IO Modules
☐ Cable Management Arm (CMA) eliminates tangled cables during servicing of hotswappable CRUs
☐ SCSI Enclosure Services (SES-3)
☐ Microsoft certified for Windows Server 2012, 2012R2, 2016
☐ 5-year limited warranty

Configurations
☐ 720TB using Ultrastar 12TB helium HDDs
☐ 600TB using Ultrastar 10TB helium HDDs
☐ 480TB using Ultrastar 8TB helium HDDs
☐ 360TB using Ultrastar 6TB helium HDDs
☐ 240TB using Ultrastar 4TB helium HDDs
☐ 192TB using Ultrastar 8TB helium HDDs
☐ 144TB using Ultrastar 6TB helium HDDs
☐ 96TB using Ultrastar 4TB helium HDDs

Applications/Environments
☐ Storage appliances
☐ Security/Surveillance
☐ High Performance Computing (HPC)

23/8/2024 Product

Sample - **Falcon 9000JB DiskLibrary Platform**

Etere DiskLibrary is compatible with **Falcon 9000JB DiskLibrary Platform**. StoneFly's Falcon series high-capacity systems are ideal for high volume environments. With increasing demand for longer archive time, better video resolution and higher frame rates, each high-capacity Falcon solution ensures maximized data retention and scalable performance.

Key Features
☐ Up to 720TB Capacities in 4U Rackmount
☐ Compatible with Leading Industry Archive Software
☐ Open Hardware Platform
☐ Redundant High Efficiency 80-PLUS® Platinum Certified Power Supply
☐ Supports Optional Cloud Connection for Video Archiving

Technical Specifications
☐ Form Factor: 19" 4U Rackmount with Quick-Release Rapid Mounting Rails
☐ Drive Trays: 90 x 3.5"/2.5" 12Gb/s hot-swap SAS drive bay top Loading
☐ Backplane: 12Gb SAS
☐ Cooling: 5 x 80mm heavy duty Fans with PWM Cooling Fans speed control
☐ Power: Redundant 1000 Watt 95% High Efficiency 80-PLUS® Platinum Digital Power Supply
☐ Controls: Power On/Off and System Reset Button
☐ Indicators: Power Status LED, Hard Drive Activity LED, 2x Network Activity LEDs, Fan Fail/System Overheat LED, Unit Identification (UID) LED
☐ Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)
☐ Operating Relative Humidity: 8% ~ 90% Non-Condensing
☐ Non-Operating Temperature: -40°C ~ 60°C (-40°F ~ 140°F)
☐ Non-Operating Relative Humidity: 5% ~ 95% Non-Condensing
☐ Dimensions: 7"(H)x 17.2"(W) x 30.2"(D)

23/8/2024 Product

Sample - **Falcon 6000JB Disk Library Platform**

Etere DiskLibrary is compatible with **Falcon 6000JB Disk Library Platform**. StoneFly's Falcon series high-capacity systems are ideal for high volume environments. With increasing demand for longer archive time, better video resolution and higher frame rates, each high-capacity Falcon solution ensures maximized data retention and scalable performance.

Key Features
☐ Up to 480TB Capacities in 4U Rackmount
☐ Compatible with Leading Industry Archive Software
☐ Open Hardware Platform
☐ Redundant High Efficiency 80-PLUS® Platinum Certified Power Supply
☐ Supports Optional Cloud Connection for Video Archiving

Technical Specifications
☐ Form Factor: 19" 4U Rackmount with Quick-Release Rapid Mounting Rails
☐ Drive Trays: 60 x 3.5"/2.5" 12Gb/s hot-swap SAS drive bay top Loading
☐ Backplane: 12Gb SAS
☐ Cooling: 5 x 80mm heavy duty Fans with PWM Cooling Fans speed control
☐ Power: Redundant 1000 Watt, 95% High Efficiency 80PLUS® Platinum Digital Power Supply
☐ Controls: Power On/Off and System Reset Button
☐ Indicators: Power Status LED, Hard Drive Activity LED, 2x Network Activity LEDs, Fan Fail/System Overheat LED, Unit Identification (UID) LED
☐ Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)
☐ Operating Relative Humidity: 8% ~ 90% Non-Condensing
☐ Non-Operating Temperature: -40°C ~ 60°C (-40°F ~ 140°F)
☐ Non-Operating Relative Humidity: 5% ~ 95% Non-Condensing
☐ Dimensions: 7"(H)x 17.2"(W) x 30.2"(D)

Sample - **AIC**

Storage Servers - Servers Supports 2nd Gen. Intel Xeon Scalable Processors

SB401-VG
☐4U 24 x 3.5"
☐Dual Intel® Xeon® Scalable Processors
☐12 x DIMM slots
☐2 x 10GbE

SB402-VG
☐4U 36 x 3.5"
☐Dual Intel® Xeon® Scalable Processors
☐12 x DIMM slots
☐2 x 10GbE

SB403-VG
☐4U 60 x 3.5"
☐Dual Intel® Xeon® Scalable Processors
☐16 DIMM slots
☐2 10GbE

SB405-PV
☐4U 102 x 3.5"
☐Dual Intel® Xeon® Scalable Processors
☐16 x DIMM slots
☐2 x 10GbE

SB405-VL
☐4U 102 x 3.5"
☐Dual Intel® Xeon® Scalable Processors
☐16 x DIMM slots
☐1 x GbE RJ45

Sample - **Seagate Exos E 5U84**

Etere DiskLibrary is compatible with **Seagate Exos E 5U84**. It is the datasphere's high-capacity, high-performance platform that can handle extreme data growth. Build exabyte-scale data centres with this 5U, high-density rackmount enclosure and easily manage in the field with features such as the unique drawer design allowing easy access to drives.

Key Features

☐ Versatile Design: With easy expansion via interchangeable FRUs and SBB 2.0 compatibility, this flexible enclosure supports cable management, contains universal ports, and provides self-configuration controls

☐ Simplified Operations: Delivers secure access to critical data — safeguarded with fault diagnosis, resolution capabilities, persistent error logging and monitoring. Plus, drive carriers, controllers, PSU, fan modules, drives, and expander cards are easy to swap and service

Technical Specifications

☐ Management Interface: 2 × 1 GbE Ports

☐ Total EBOD Chassis: Up to 4

☐ SAS Controllers (Exos E IOM): Exos E IOM. 14.4 GB/s single I/O and 28.8 GB/s dual I/O

☐ Host I/O Interface (defined by controller): Three ×4 12 Gb/s mini-SAS HD connectors (SFF-8644) per I/O module