



STRONGBOX LTFS NAS

The Only Solution Purpose-built for LTFS: We Make Tape Simple.



PERFORMANCE. LOW-COST. PROTECTION.

The StrongBox® LTFS NAS is a storage gateway solution that integrates storage tiers and technologies to simplify data management and enable the lowest-cost data preservation. The StrongBox appliance can be used as file-based, network-attached storage (NAS) and for object-based storage to support massively scalable data workloads.

By fusing high-performance flash and disk with Linear Tape File System (LTFS) tape technology, StrongBox delivers the perfect blend of economy and performance in one simple solution. Nearline (flash/disk) storage keeps data available and deep archiving (tape) ensures the lowest cost for long-term preservation.

Our secret weapon is the intelligent and automatic data management that erases the complexity of storage.

SIMPLE STORAGE YOU ALREADY UNDERSTAND

StrongBox presents up to 256 unique shares using standard file protocols NFS or CIFS (SMB). Additionally, StrongBox supports the native S3 standard to power your private cloud. The robust, RESTful API provides tighter application integration to maximize performance in diverse environments. Installation is as easy as "plug and play" helping you build your archive quickly and efficiently.

PERFORMANCE, GUARANTEED

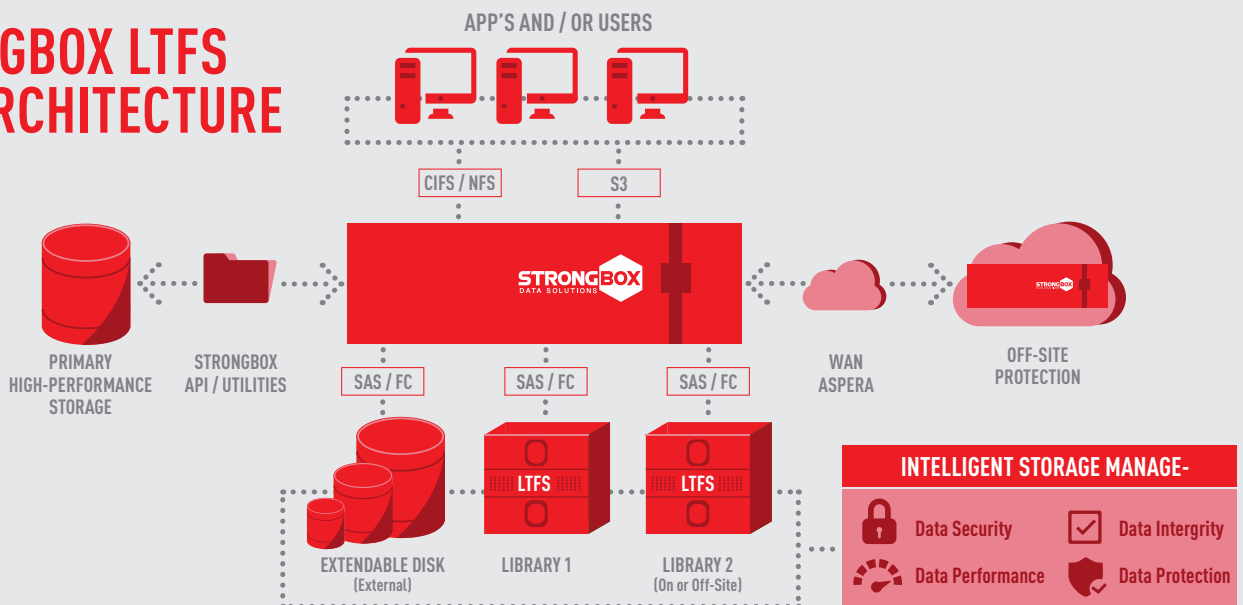
Access data when and where you need it. StrongBox delivers tunable performance that allows you to meet the quality of service (QoS) levels

required by your applications and users. Leverage disk for nearline performance, or configure StrongBox as an active archive, unlocking the economic value of tape as scale-out storage to maximize your ROI. Files are always secure, and retrieval is simple and fast.

AUTOMATED PROTECTION

Your content is always protected as StrongBox automates file movement to LTFS tape and eliminates the need for backup. Data can be duplicated across multiple tape copies with an option to export physical media. Or, use WAN replication to send a copy to a second site or cloud for disaster recovery. Data is protected at the file, media, and system levels and constantly monitored to ensure secure, resilient data reservation.

STRONGBOX LTFS NAS ARCHITECTURE



TECHNICAL SPECIFICATIONS

System Specifications	StrongBox X10	StrongBox X20 X20F
Supported Protocols	NFS v3 CIFS SMB1/2/3 S3	NFS v3 CIFS SMB1/2/3 S3
Files Supported	Recommended maximum: 200 million files	Recommended maximum: 1.6 billion files
File Shares Supported	256	256
Internal Storage	Up to 11TB (RAID-5) - Includes 4 x 4TB disk drives	X20 options: Up to 36 TB (RAID-6) – 12x 4TB hard disk drives (HDD) X20F options: Up to 19.2 TB (RAID-6) – 24x 960GB flash solid state drives (SSD) Up to 9.6 TB (RAID-6) – 12x 960GB flash solid state drives (SSD)
Connectivity	Standard: Quad Gigabit Ethernet ports for data Single Gigabit Ethernet port for management Dual port 10GbE Card Storage Options (for libraries and external RAID): Dual port 12Gb/s SAS, Dual port 8Gb/s FC	Motherboard: 4x 1GbE, 1x 1GbE IPMI Network Cards (i.e. Data ports): Up to 1x Dual-port 10GbE Card or Up to 2x Quad-port 1GbE Card SAS and Fibre Channel HBA support: Up to 3x 2-port 12Gb/s SAS or 3x 2-port 8Gb/s FC, or a mix of both
Format Compatibility (Supported LTFs Tape Drives)	8 drives LTO-5, LTO-6, LTO-7 IBM TS1140/TS1150	16 drives LTO-5, LTO-6, LTO-7 IBM TS1140/TS1150
Physical Specifications		
Form Factor	1U server	2U Server
AC Power	100-240VAC, Auto Ranging 50 Hz/60 Hz	100-240VAC, Auto Ranging 50 Hz/60 Hz
Width	19 in. (434 mm, 482.4mm w/ bezel)	19 in. (444 mm, 482.4mm w/ bezel)
Depth	23.9 in. (607mm)	26.92 in. (684mm incl. power supplies)
Height	1.685 in. (42.8mm)	3.44 in. (87.38mm)
Weight	19.9 kg (43.87 lbs)	23.18 kg (51.1 lbs)
Environmental Specifications		
Operating Temperature	- 10°C to 35°C	- 10°C to 35°C
Operating Humidity Range	10% to 80% relative humidity with 26°C maximum dew point (maximum wet bulb temperature)	10% to 80% relative humidity with 29°C maximum dew point (maximum wet bulb temperature)
Heat	2133 BTU/hr Note: maximum inrush current is 55A for 10ms or less	2891 BTU/hr (Platinum) Note: maximum inrush current is 55A for 10ms or less

FOR MORE INFO VISIT

strongboxdata.com