FAST LTA
Wir sichern Petabytes.

Silent Bricks

Silent Brick Controller & Shelf

Mix & Match – The **Silent Brick System**'s movable storage media is independent from its general storage IT. This ensures maximum flexibility as well as online, offline and off-site scalability.

The **Silent Brick** is a movable storage media with built-in data protection implemented by use of 12 flash or disk drives with user selectable redundancy. Up to 24 TB (gross) per Silent Brick allow for easy ingress, egress and safe off-site storage.

The **Controller** features 5 slots, offering up to 120 TB (gross). Using the 14 slots of an **Extension Shelf**, capacity can be extended by 336 TB (gross), each.

Silent Bricks can be replicated individually, within the same local system or to a second remote location.

Highlights

- Controller with 5 slots / 120 TB (gross), Shelf with 14 slots / 336 TB (gross) each
- Supports all Silent Brick models: disk and flash, with optional WORM sealing
- Software connection via NFS/SMB or VTL
- Any combination from NAS, SecureNAS, VTL in a single system
- 10G Ethernet or Fibre Channel
- Local and remote replication, individual Silent Bricks

Technical Data

Silent Brick Controller
Storage System for Backup & Archiv

Slots & Capacity

Slots	5 slots for Silent Bricks
Capacity	Up to 120 TB (gross) combined

Interfaces

Data	Dual 10 GBit (RJ45, SFP+ optional) or dual 8G Fibre Channel
Fallback	3x 1 GBit (1x IPMI, 2x Fallback Data)
Management	6x 100 MBit (4x Control, 2x Administration)

Power Consumption

Stand-by	20 Watts
Typical	ca. 250 Watts (hard disks)
Contiuous Operation	400 Watts
Thermal Output	typical 854 BTU/h maximum 1366 BTU/h

Physical Data

Dimensions	H 3 U / W 19'' / D 785mm
Weight	~21 kg (empty slots) ~31 kg (with 5 Silent Bricks)

Silent Brick
Online-/Offline-/Off-site Storage Media

Available Capacities

Gross Capacity	3, 6 or 12 TB (SSD) 12 or 24 TB (hard disk)
WORM Sealing	Hardware gateway (optional)
Storage Medium	12 x 2,5", SSD or hard disks (SATA)
Disk Mix	4 SSDs/disks from 3 different production batches, minimizes risk of epidemic failure

Configuration

File Systems	NAS – RAIDz, dual or triple Parity SecureNAS / WORM / VTL – linear, self-contained, Erasure Coding with 4 out of 12 redundancy
Modes	NFS / SMB Shares VTL

Physical Data

Dimensions	H 115 mm / W 30 mm / D 542 mm
Weight	~2 kg

Extension Shelf
Storage Extension for Controller

Slots & Capacity

Slots	14 slots for Silent Bricks
Capacity	Up to 336 TB (gross) combined

Interfaces

Data	Serial Attached SCSI (SAS), dual Wide Link 8x 6 GBit/s (8x 12 Gbit/s HD-Mini SAS SFF-8644)
Management	4x 100 MBit

Physical Data

Dimensions	H 3 U / W 19'' / D 785mm
Weight	~19 kg (empty slots) ~46 kg (with 14 Silent Bricks)