

Silent Bricks

# Silent Brick Drive



## Silent Brick Drive with Silent Bricks from 3 TB to 48 TB (gross)

The **Silent Brick Drive** is a storage appliance for backup and archiving, featuring 2 slots for Silent Brick storage media.

**Archival Storage** – File server and compliant archive with 2 slots, up to 24 TB each (gross). The linear, self-contained file system acts like an integrated data protection level.

**Backup Storage** – Store incremental backups on re-writable NAS volumes and full backups on self-protected SecureNAS or VTL – ideal for Veeam.

Thanks to the movable Silent Bricks and the option for replication, the Drive is ideally suited for distributed installations with a central storage. With the replication taking place on a per-Silent-Brick basis, data from a remote location is exactly locatable in the central storage.

## Highlights

- 1 U, 2 slots
- Up to 48 TB (gross, uncompressed)
- E-Paper display as electronic label
- Supports Silent Brick, Silent Brick Flash and Silent Brick WORM
- Every slot /Silent Brick can be individually configured as NAS, SecureNAS or VTL
- Supports local and remote replication of Silent Bricks
- Exchange Silent Bricks between Drives and Silent Brick Systems

# Technical Data

## Silent Brick Drive

Storage Appliance for Backup & Archiving

### Slots & Capacity

Slots 2 slots for Silent Bricks  
Capacity Up to 48 TB (gross), combined

### Interface

Network 1 GBit or  
dual 10 GBit (optional)

### Power Consumption

Stand-by 10 Watts  
Typical ca. 90 Watts (with hard disks)  
Continuous Operation 150 Watts  
Thermal Output typical 307 BTU/h  
maximum 512 BTU/h

### Physical Data

Size H 1 U / W 19" / D ~60cm  
Weight ~7 kg (empty slots)  
~11 kg (with 2 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

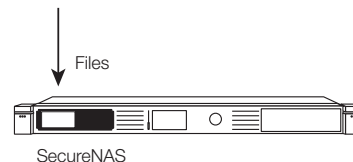
### Physical Data

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

# Sample Configurations

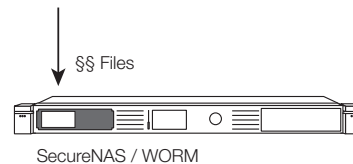
### File Server

Silent Brick Drive , 1G Ethernet  
Silent Brick (disk) 12/8 TB (gross/net\*)



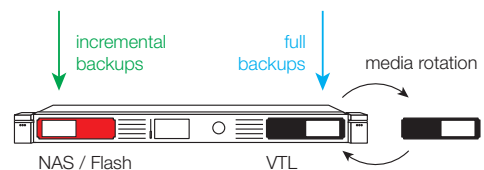
### Compliant Archive

Silent Brick Drive, 1G Ethernet  
Silent Brick WORM (disk) 6/4 TB (gross/net\*)



### Backup Storage with media rotation

Silent Brick Drive, 10G Ethernet, CPU upgrade  
Silent Brick Flash 3/2 TB (gross/net\*)  
Silent Brick (disk) 12/8 TB (net\*), active  
Silent Brick (disk) 12/8 TB (gross/net\*), inactive



\*Net capacity: approximation when using Erasure Coding. Subject to change without notice. June 2018.