

kSAFE LN1™ Specifications

kSAFE LN1: Affordable, on-demand scalability and performance

Government and commercial entities alike can keep ahead of unrelenting data growth with a keeperSAFE storage appliance. Featuring a unique building-block architecture, LN1 allows for data storage architectures that scale infinitely and integrates seamlessly into existing data ecosystems.

Take the first step in your enterprise-class data storage strategy with kSAFE LN1: A byte-sized keeperSAFE solution. Built on the private cloud and equipped with object-based commodity hardware and a Keeper designed software platform, LN1 offers a tightly integrated and supported solution for your organization's data requirements today, tomorrow, and in the future.

Keeper Technology builds, integrates, tests, and deploys LN1 to your specifications, easing assimilation into your existing environment while supporting your existing protocols. On-site deployment occurs quickly and with minimal downtime.

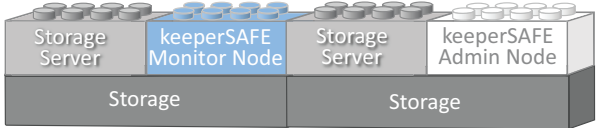
Managing data is not a static event. Your data ecosystem evolves over time as your infrastructures grow. LN1 answers today's growing enterprise-class data storage and management requirements by presenting an entry-level yet scalable solution to reliably store and quickly access your mission-critical data.

Add storage as needed for incremental capacity and performance

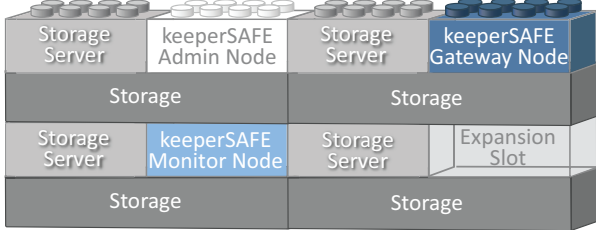
The ever-growing volume of unstructured data demands high reliability, fast performance, and low maintenance. Start out today with a 2u chassis filled with 64 TB of storage, complete with a full-featured, interactive, diagnostic GUI. Ultimately growing into a petabyte scale architecture with ease.

The basic configuration of a kSAFE LN1 scales with your future storage needs to the exponential capacity and capability of an enterprise-sized keeperSAFE solution

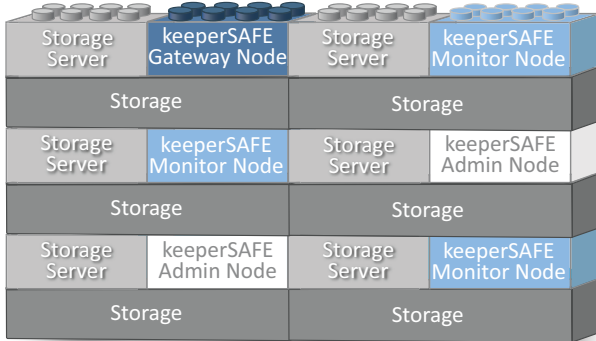
Today



Tomorrow



Future



LN1™ - Specifications

Chassis Specifications

Dimensions:

- Height 3.41 in. (86.8 mm) (2U)
- Width 17.06 in. (433.5 mm)
- Depth 33.5 in. (851.6 mm)
- Weight (Max) 116.8 lbs. (53 kg)

Power:

- Voltage 100 – 240 VAC
- Power requirement 2000 W
- Power Receptacles Rqd (2) C20 (1+1 configuration)

Heat Dissipation:

6.8 kBTU/hr. (0.57 Tons)

Temperature:

- Operating
 - 0-3117 ft. (950 m): 50 to 95 F (10 to 35 C)
 - 3117-10,000 (3048 m) Max temperature is reduced by 1°F/547 ft. (1°C/300m) above 3117 ft. (950 m)
- Non-Operating -40 to 149 F (-40 to 65 C)
- Max Thermal Gradient 36°F (20°C) per hour

Relative Humidity:

- Operating 10% to 80% Non-condensing
- Non-Operating 5% to 95% Non-condensing

Capacity:

- Hot Plug Drives (Max): 32 2.5"
- Raw Capacity (Max): 64 TB

Connectivity:

- 10 Gb Ethernet Internal
- 10/40 Gb Ethernet External

Highlights of kSAFE LN1

Data Resiliency and Protection:

- Integrated Real-Time Data Protection and Integrity
- Automatically isolates and minimizes component failures
- Snap shots
- Journaling
- Continuous data replication to multiple copies

Scalable and Elastic:

- 10's of terabytes to 100s of petabytes and beyond
- Bandwidth scales as the system grows
- No controller bottleneck
- Objects at the core eliminate RAID disadvantages

Continuous Operations:

- Self Healing
- Automatic, decentralized data look-up
- Unified GUI for hardware and software
- SWARM enabled rebuild times

Future Proof Design:

- Fueled by Open Source
- On-line Technology Modifications
- Non disruptive upgrades
- Proven hardware

Multiple Presentation Layers:

- NFS3, NFS4 Network Access
- SMB1, SMB2, SMB3 Network Access
- RBD, Cinder Block Access
- S3, Swift, Other REST(ful) Access

Security :

- Encryption at rest
- External Key Management Support (KMIP compliant)
- Secure, audited administrative actions
- Intrasystem SSL Encrypted
- Extensive RBAC Controls