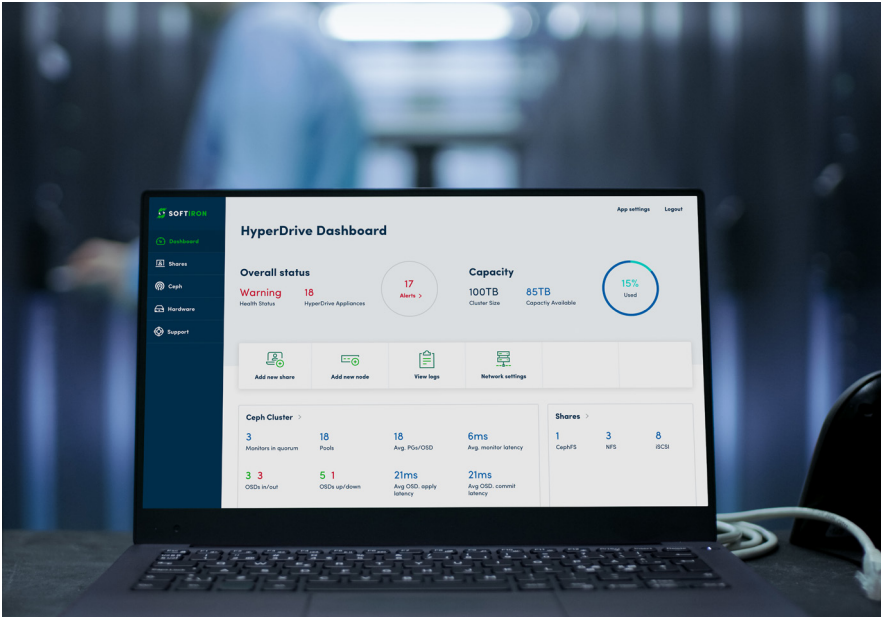


HyperDrive[®] SSD Storage

Performance Model

SoftIron's high-performance, dedicated Ceph appliance range. Purpose built for scale-out enterprise storage.





We're making software-defined storage simple.

SoftIron's mission is to create the world's finest storage solutions for the modern-day enterprise. And by finest, we mean exceptionally high-performing, scalable, flexible, reliable and efficient products that are really easy to use.

In addition, we're committed to making it more accessible than ever with our Zero Risk proposition: no lock-in contracts, pay-as-you-go subscription-style pricing, cancel any time.

All of this is supported by our end-to-end, one vendor solution. We've custom built the hardware and the software from scratch, meaning you won't ever need to mediate a problem between suppliers.

The result is truly superior, turnkey software-defined storage solutions for the enterprise.

HyperDrive[®] Storage Node: Performance (HD31056 / HD32113)

SoffIron's HyperDrive Performance range is our high-performance, custom-designed, dedicated Ceph appliance, purpose built for software-defined storage.

Ceph is widely considered to be the leading open-source software that underpins enterprise level software-defined storage (SDS) solutions, because it's designed to provide highly scalable object, block and file-based storage under a unified system. It will endure because of its accessibility, unparalleled flexibility, rich features, impressive roster of enterprise ambassadors and an already deep and devoted user community.

It takes more than generic hardware to get outstanding performance for storage, and because HyperDrive Density (HD1120) is custom built for Ceph, all components integrate with, and exploit Ceph's outstanding functionality. The result is a scale-out storage solution that runs at wire-speed, yet at less than 100W per 1U appliance.

**44% FASTER
RANDOM
CACHED
ACCESS***

**26% FASTER
SEQUENTIAL
NON-CACHED
ACCESS***

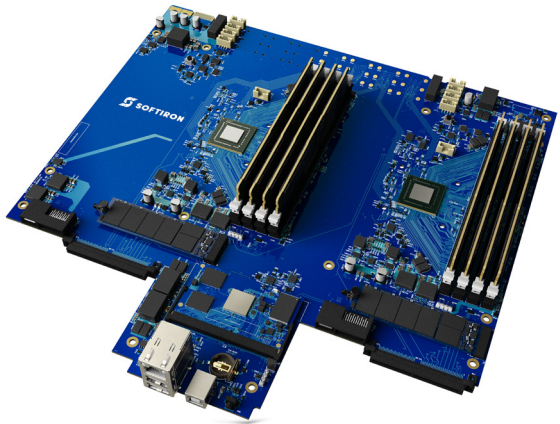
**RUNS AT LESS
THAN 100W PER
1U APPLIANCE**



**In a recent head-to-head performance test pitting a cluster of dual socket Xeon processors against our entry level HyperDrive.*

HyperDrive[®] Multi-CPU Technology (HD32113)

HyperDrive Multi-CPU Performance is the same high-performance storage platform, but with 2 storage nodes in a single 1U form factor, doubling the processing power and doubling the storage, giving you unparalleled results for extremely high load data centers.



With HyperDrive Performance you can easily and confidently:

- ✓ Deploy your Ceph storage cluster on custom designed hardware that's purpose built and optimized for storage
- ✓ Seamlessly integrate HyperDrive into your existing Ceph environment
- ✓ Simplify and centralize the management of your storage hardware and Ceph software
- ✓ Run your data center at true wire-speed
- ✓ Futureproof your data center with an infinitely scalable SDS solution, free from vendor lock-in
- ✓ Manage your budget with a flexible, pay-as-you-go subscription model
- ✓ Optimize your rack and reduce cooling costs with low power, 1U form factor appliances that use less than 100 watts under full load
- ✓ Take advantage of our end-to-end, one vendor support for assistance with software and hardware

HyperDrive is our custom-designed, dedicated Ceph appliance, purpose built for software-defined storage. It runs at wire-speed at less than 100 watts per 1U appliance and out-performs the competition.

HyperDrive[®] Storage Node at a glance

Hardware

- » Scale-out ready
- » Wire speed throughput performance front-side and back-side networking
- » Solid state disks for journal
- » Preconfigured and tuned for balanced read and write performance
- » Low wattage power design

Storage Management

- » Configurable cluster-level resiliency
- » Health monitoring
- » Full hardware configuration and management
- » Workflow based Ceph management

Ceph

- » Compatible with clusters running Ceph
- » Interfaces for file, block, and object storage
- » Support for OpenStack, Kubernetes, VMware and HyperV
- » Interfaces for file, block, and object storage



Take HyperDrive[®] for a Test Drive

Try out a HyperDrive cluster in your environment for 90 days – no long term commitment necessary.

softiron.com/testdrive

Product Specifications

Model	HD31056	HD32112
Model Type	SSD Storage	SSD Storage
Raw Storage Capacity	56 TB	112 TB
Drive Configuration	56TB SSD (14x 4TB SSD)	112TB SSD (28 x 4TB SSD)
Networking	2x Interfaces (10GbE, 25GbE)	2x Interfaces (100GbE)
Data Resiliency	High Availability per service / protocol	High Availability per service / protocol
Storage Protocols	Ceph-FS, RBD, S3	Ceph-FS, RBD, S3
Storage Type	Block, File, Object	Block, File, Object
Storage Management Port	1x 1GbE, IPMI, HyperDrive Manager	1x 1GbE, IPMI, HyperDrive Manager
Power Supply	Redundancy Power (Dual Supplies) 120v-240v 50Hz-60Hz	Redundancy Power (Dual Supplies) 120v-240v 50Hz-60Hz
Power Consumption	< 100 watts	< 250 watts
Dimensions	H 43.7 mm / 1.72 inches W 429 mm / 16.9 inches L 637 mm / 25.1 inches	H 43.7 mm / 1.72 inches W 429 mm / 16.9 inches L 637 mm / 25.1 inches
Weight	11.8 kg / 26 lbs	12.3 kg / 27 lbs



softiron.com

✉ info@softiron.com

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