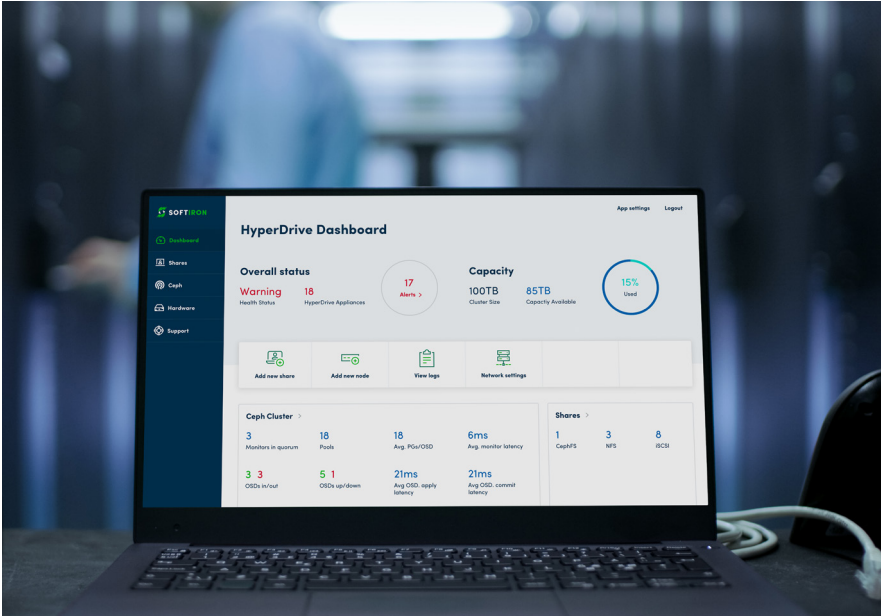


HyperDrive[®] HDD + SSD Storage Density+ Model

SoftIron's hybrid Ceph appliance, combining HDD and SSD into one high-performance, internally tiered storage node. 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: Density+ (HD22078 / HD22168)

SoftIron's HyperDrive Density+ harnesses our unique, multi-processor technology to seamlessly combine performance and internal flash tiering into a single, 1U Ceph appliance. The result is the ideal solution for those looking to balance performance and price point.

In the past, users looking to solve the conflicting needs for high-performance and cost-efficiencies would have been limited to complicated Ceph cluster arrangements. Now, HyperDrive Density+ effortlessly solves the problem by providing the performance of an all flash tier with the added benefit of an efficient HDD tier. 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.

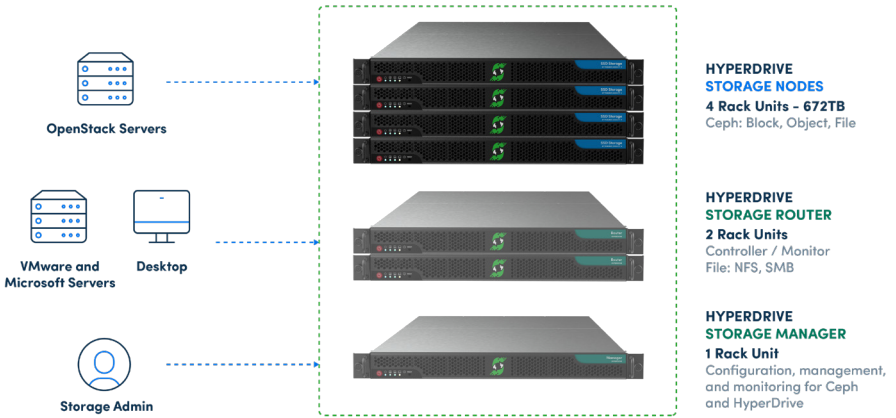
It takes more than generic hardware to get outstanding performance for storage, and because HyperDrive Density+ is custom built for Ceph, all components integrate with, and exploit Ceph's outstanding functionality. The result is a scale-out storage solution that runs at wire-speed, yet at less than 100W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

<p>HIGH PERFORMANCE WRITES GO DIRECTLY TO A FLASH-BASED TIER OF STORAGE</p>	<p>LESS PERFORMANCE CENTRIC WRITES GO TO THE HDD POOL</p>	<p>RUNS AT LESS THAN 100W PER 1U APPLIANCE</p>
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HyperDrive® Density+

HyperDrive[®] Deployment Example



With HyperDrive Storage Node 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	HD22078	HD22168
Raw Storage	78 TB	168 TB
Drive Configuration	72TB (12x 6TB HDD) 6TB SSD (12x 500GB SSD)	120Gb (12x 10Tb HDD) 48Tb SSD (12x 4TB SSD)
Networking	2x Interfaces (100GbE)	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
Management	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	< 200 watts	< 250 watts
Dimensions	H 43mm / 1.72 inches W 426mm / 16.9 inches L 869mm / 34.25 inches	H 43mm / 1.72 inches W 426mm / 16.9 inches L 869mm / 34.25 inches
Weight	22.7 kgs / 50 lbs (49.5 lbs)	28.1 kgs / 51 lbs (51 lbs)



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