

HyperDrive[®] Storage Router

SoftIron's intelligent services gateway for storage, unlocking Ceph for the enterprise.



Slightly controversial. Quietly confident.

SoftIron® creates the world's best appliances for scale-out data center solutions, delivering industry-leading performance on all critical metrics including density, efficiency, capacity, speed and heat emission.

Choose SoftIron for:

Superior, task-specific appliances

- » We do not optimize commodity hardware or configure the cheapest components.
- » They're purpose-built to optimize their specific role in the data center.



High Performance

- » Specialization fosters performance breakthroughs.
- » Task-specific design reveals opportunities for improvement at a granular level.



Secure Provenance

- » SoftIron not only controls the entire design and build process, but manufactures and assembles all products in-house.
- » The result is auditable provenance on all of our data center appliance and SoftIron is the only manufacturer to offer it.



HyperDrive® Storage Router

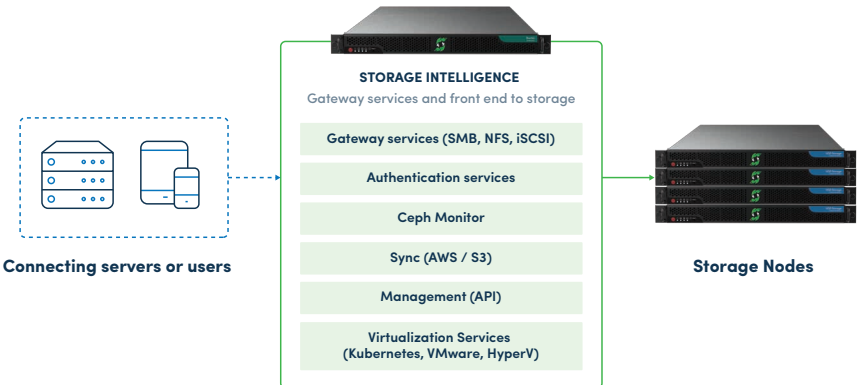
SoftIron's HyperDrive Storage Router is a highly intelligent services gateway that enables enterprise-wide adoption of Ceph by consolidating user shares, virtualization, and any other storage technologies onto one scalable, high-performance platform.

While Ceph is the leading open-source, software-defined storage software on the market, it has traditionally challenged organizations due to its' inability to support other files, shares, and protocols. SoftIron built Storage Router to remove this obstacle and allow everyone to leverage the power of Ceph, no matter who the end user is.

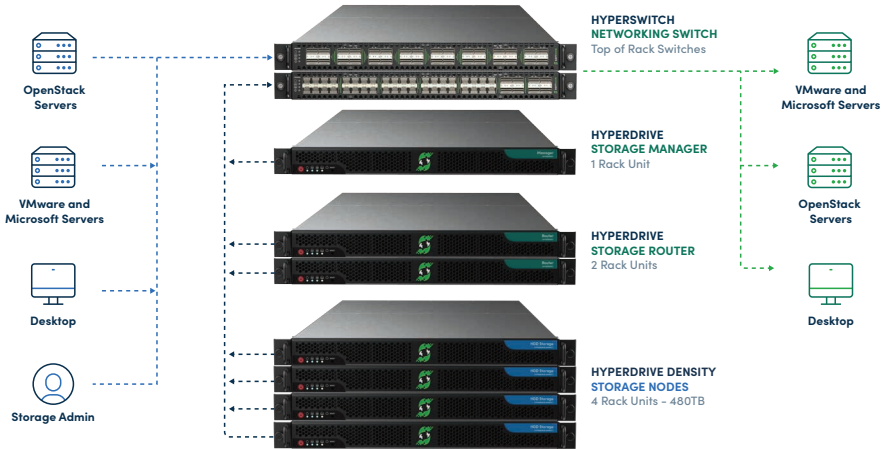
The result is a highly intelligent platform that not only enables enterprise-wide adoption of Ceph, but it can also accommodate different services modules over time as features or requirements grow.

Coupled with HyperDrive Storage Manager, SoftIron's unified management tool for Ceph, the complexities of storage management are radically simplified like never before.

HyperDrive® Platform Storage Router



SoftIron Deployment Example



With SoftIron's Storage Router you can easily and confidently:

- ✓ Use Ceph as your unified enterprise storage solution.
- ✓ Consolidate user shares, virtualization, and other storage needs into one scalable and high-performance platform.
- ✓ Add support for Vmware vSphere and Microsoft HyperV by extending Ceph with the addition of iSCSI for block storage and NFS for Virtual Machine file storage.
- ✓ Add support for desktop clients and users by extending Ceph with the addition of support for Windows, Mac (SMB/CIFS) and Linux (NFS) file shares.

Coupled with HyperDrive Storage Manager, all this is delivered via a sleek and intuitive online interface which is ideal for storage administrators or help desk personnel who are responsible for managing storage configuration or shares.

Purpose-built solutions for the hyperscale enterprise data center.

Storage Hardware

- » Task-specific, 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

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

Storage Management

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

Networking

- » Wire speed on all ports at all times
- » Simplified, core networking functionality
- » Optimized for hyperscale data center performance (1GbE-100GbE)



Take HyperDrive[®] for a Test Drive

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

softiron.com/testdrive

Product Specifications

Model	HR11000
Model Type	Storage Router
Networking	2x NICs (10GbE, 25GbE)
Data Resiliency	High Availability per service / protocol
Storage Protocols	iSCSI, SMB, NFS, Custom, CephFS
Management	1x 1GbE, IPMI, HyperDrive Manager
Power Supply	Redundancy Power (Dual Supplies) 120–240V, 50–60Hz
Power Consumption	< 100W
Dimensions	H 43.7 mm / 1.72 in W 429 mm / 16.9 in L 637 mm / 25.1 in
Weight	9.5 kg / 21 lb