DataCore™ HCI-Flex Appliance
The simplicity of hyperconverged infrastructure with the flexibility of software-defined storage

As customers increasingly adopt HCI for its ease of deployment, reduced complexity, scalability, and simplified approach to moving and assigning virtual resources to workloads, they often overlook its challenges with fixed scaling, creating new silos, and vendor, technology, or architectural lock-in.

The DataCore HCI-Flex appliance includes the simplicity of HCI with the ultimate flexibility of software-defined storage (SDS) along with DataCore’s deep SDS expertise and award-winning customer service.

- **Unparalleled Flexibility**
  Leverage internal and external storage regardless of vendor or underlying technology

- **Faster Time to Value**
  Accelerate deployment with simple, automated deployment in both ESXi and Hyper-V environments

- **Simplified Management**
  A single-click console is fully integrated with vCenter deployment and ESXi management

- **Performance that Scales**
  Scale up and out up to 64 nodes with minimal performance degradation

- **Cost-Optimized High Availability**
  Achieve true high availability with only 2 nodes using synchronous mirroring

- **Increased Storage Efficiency**
  Optimize diverse IT environments with storage pooling, auto-tiering, and data migration
**OPTIMIZED PERFORMANCE**

- **Parallel I/O** - Process I/O in parallel vs serially for increased application performance up to 10X
- **Caching** - Accelerates disk I/O response and uses CPU cache/RAM as “mega cache”
- **Random Write Accelerator** - Eliminates random write performance penalty and provides SSD-like performance from HDDs
- **Auto-Tiering** - Automatically sets tier assignments based on policies, with support for up to 15 storage tiers
- **Load Balancing** - Auto balances I/Os across devices and bypasses failed/offline channels
- **Quality of Service (QOS)** - Limits I/O traffic from lower tier workloads and enables critical apps to run faster

**ALWAYS-ON AVAILABILITY**

- **Replication & Site Recovery** - Bi-directional asynchronous replication for disaster recovery and rapid restoration
- **Continuous Data Protection** - Restore to any point in time without application interruption
- **Encryption** - XTS-AES 256-bit encryption for data-at-rest that is storage-device independent
- **Synchronous Mirroring** – Maintains data in two places eliminating storage as a single point of failure
- **Snapshots** - Recover rapidly at disk speeds while eliminating extended backup windows

**INCREASED STORAGE EFFICIENCY**

- **Storage Pooling** - Splits tiers based on price/perf/capacity and eliminates stranded disk space
- **Deduplication/Compression** - Replaces duplicates with pointers to single, compressed instances
- **Data Migration** – Clears and reclaims space with zero downtime migrations
- **Thin Provisioning** - Occupies only space being written to and dynamically allocates more space as needed

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**SANSYMPHONY™ CUSTOMER TESTIMONIAL**

DataCore SDS Simplifies Adding New Technologies to your Datacenter

“As we look at new storage technologies the question of how to integrate it with DataCore comes up and it never fails that the answer is to simply add it to the server and then add it to a pool.”

— Storage Administrator, Medium Enterprise Insurance Company

*Source: Storage Administrator, Medium Enterprise Insurance Company*
DATA CORE HCI-FLEX MODELS
Choose the best solution that fits your unique business needs.

<table>
<thead>
<tr>
<th>MODELS</th>
<th>PROCESSOR SPECS</th>
<th>MEMORY</th>
<th>TOTAL</th>
<th>HDD</th>
<th>SSD</th>
<th>CAP</th>
<th>NIC</th>
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<tbody>
<tr>
<td>HCI-Flex 3, 1U HYBRID</td>
<td>(2) Intel Xeon Silver 4110 2.1G, 8C/16T, 9.6Gt/s 2UPI, 11M Cache, Turbo, HT (85W)</td>
<td>4x16GB</td>
<td>64GB</td>
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OPTIONS

- KIT, HARD DRIVE, (3) 2.4TB HARD DRIVES + 5W + 3Yr SUS
- KIT, HARD DRIVE, (4) 960GB SSDS + 5W + 3Yr SUS
- KIT, MEMORY 64GB
- KIT, EIGHT SFP+
- HBA, 16GB/S DUAL FIBRE CH, PCI-E 3.0 X8 WITH SFP+

THE AUTHORITY ON SOFTWARE-DEFINED STORAGE

As a pioneer of SDS and storage virtualization, DataCore holds 22 patents and is trusted by over 10,000 customers worldwide. With deep industry expertise, continuous innovation and a proven history of modernizing SDS for the software-defined datacenter, DataCore is the Authority on Software-Defined Storage™.

AWARD-WINNING GLOBAL SUPPORT TEAM

Distributed across three major service hubs strategically located in Europe, North America and Asia, the award-winning DataCore Support Centers are staffed 100% with Level 3 Service Engineers. When you contact DataCore Technical Support, the first responder is an experienced professional who owns your issue from inception to resolution regardless of the vendor. DataCore cares about its customers not which vendor’s problem it is. We believe world-class support is the backbone of our customer relationships.

ALWAYS ON SUPPORT

24/7 – 365 DAYS

AWARD-WINNING
TECHNICAL SUPPORT

CUSTOMER FOCUSED

DATA CORE cSat 99.6%
2016-2019

Discover the Ultimate Flexibility of DataCore Software

DataCore software-defined & hyperconverged storage solutions reduce costs, eliminate vendor lock-in, and deliver ultimate flexibility in how organizations manage, build and modernize their storage infrastructures.

See why over 10,000 customers recognize DataCore Software as the most flexible software-defined storage platform and visit www.datacore.com.

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