

Broadberry

Multi Award Winning CyberStore DSS[®]



CyberStore DSS[®]

Open-E DSS v7 based Storage Appliances

The Broadberry CyberStore DSS range of iSCSI SAN / NAS storage appliances include 1U-4U server offerings boasting up to 144TB of raw storage capacity in a single storage unit.

Pre-loaded and configured with Open-E's award winning DSS v7 Linux-based operating system, the CyberStore DSS range has been designed from the ground up to exploit the advantages of this feature-rich storage appliance OS.



CyberStore DSS[®] Storage Appliances:

Intel[®] Xeon[®] Processor
E5 Family



Based on Open-E's award winning DSS v7 storage operating system, the CyberStore DSS[®] range of feature-rich iSCSI SAN/NAS servers were voted the best storage appliances available in 2010, 2011 and 2012.

- ✔ Active-Active Failover
- ✔ Volume Replication
- ✔ Snapshots
- ✔ Continuous Data Protection

Powering these organisations



CyberStore DSS®

open-e

The Broadberry CyberStore DSS® range is a Network Attached Storage (NAS) and iSCSI SAN range of storage appliances ranging from 1U to 4U with a storage capacity of upto 144TB in a single appliance.

Based on ultra-reliable hardware from leading component manufacturers, the Broadberry CyberStore DSS® is ideal for unified storage and with a massive selection of customisation

options available, this flexible solution can be configured for almost any and every storage application from a first small business storage server to high availability enterprise-class storage appliances with built-in fail over.

Since 2010 the CyberStore DSS® range has consistently beaten Fortune-100 server OEM's as the best storage appliance available year-after-year.



CyberStore DSS® Reviews

“ The CyberStore 316S DSS-R2 combines an impressive range of storage features with incredible expansion potential and top performance. With support as standard for NAS, IP SANs and Fibre Channel SANs, you have a complete, unified storage solution - and it's extremely affordable to boot..”

- Dave Mitchell | PC Pro Review 13 Oct 2010 | ★★★★★

“ A low-cost NAS and IP SAN appliance with huge expansion potential and excellent performance”

- Dave Mitchell | PC Pro Review 25 Jun 2009 | ★★★★★

Broadberry CyberStore DSS storage servers offer a myriad of advantages with built in enterprise features operating on the principal of universality and scalability storage management.

Reliability, scalability and a cost effective, centralised data protection storage capacity, ensures that CyberStore DSS storage servers host a complete management system, removing any need for an additional service.

Additionally, our DSS range of storage servers boast compatibility with VMware, CitrixXen and MS Hyper-V, meaning they are an ideal solution for cloud storage and virtualisation environments.



CyberStore storage servers are used by everyone, from small businesses to the largest organisations in the world.

- IP Surveillance
- ISPs & Cloud Hosting
- Education Sector
- TV / Media Industry
- Small Business Complacency

The uses of the CyberStore range are almost infinite, from the BBC using them for archiving the programmes we grew up watching, to CERN storing big data collected researching how our universe was created.

In today's world, storage appliances are used in almost every aspect of our lives across all market sectors and industries. The flexibility and configurability of Broadberry CyberStore storage servers make them very popular in a wide range of markets.



Active-Active Failover Simultaneously run volumes in the active mode on two nodes - providing high availability

Thanks to the Active-Active functionality, overall cluster performance is improved since the read, write and replication traffic can be balanced on both nodes. Within just a few minutes, you will have up to several hundred gigabytes available on your network without much effort and no downtime.

- This feature enables you to simultaneously run volumes in the active mode on two nodes - providing high availability of data.
- If one node fails, the other one takes over automatically and all application services continue to run without interruption.
- Once the failed node is available again in the resource pool, the storage administrator can move the activity of selected volumes back to the node of choice.

Broadberry Open-E Active-Active Failover solutions provide superior performance, security and scalability at a fraction of the cost of alternative storage solutions



CyberStore DSS® Product Range



Learn More, or Configure Online:
broadberry.co.uk/storage-servers

Call Our UK Sales Team Now!
020 8997 6000



3 Years Warranty as Standard

Buy with confidence knowing all Broadberry CyberServe rack servers are backed up by our 3 year warranty, with further warranty upgrade options available.



Up to Dual Xeon Processors

Designed for optimal performance, the CyberStore DSS range can be configured with a single Xeon E3 processor or on larger units up to 2x Xeon E5 processors.



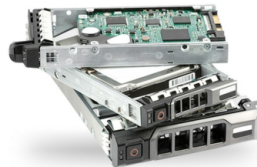
Daisy Chain CyberStore Appliances

Increase the storage capacity of your CyberStore DSS storage appliance by daisy-chaining additional CyberStore JBOD units, giving up to 1 Petabyte of storage.



With IPMI Remote Management

All Broadberry CyberStore DSS appliances include built-in iPMI functionality, enabling complete control and management of your server through IP.



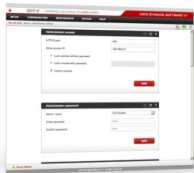
Built with Quality Components

All components in the Broadberry CyberStore DSS range are sourced from leading manufacturers who take reliability as seriously as we do.



Built in Thin Provisioning

Expand your storage pools online as and when you need to with the CyberStore DSS' built in Thin Provisioning feature.



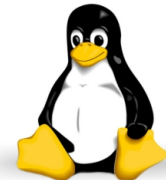
Easy-to-Use Interface

The CyberStore DSS range has an easy to use interface and boasts an initial configuration wizard to get you set up straight away.



Supports Popular Backup Software

Unlike a lot of storage operating systems, Open-E includes backup-agents to support the worlds most popular backup applications like BackupExec®, Retrospect®, BrightStor®



Stable Linux Operating System

Open-E runs on a Linux Platform because of its proven stability, unlike others which are less stable or which have limited and diminishing support for new hardware



High Availability over 2 Nodes

The CyberStore DSS can recognise hardware/software failure and immediately restart the application on another system without requiring intervention or downtime.



Hardware SSD Caching

The CyberStore DSS range includes a hardware-based SSD Caching option, allowing you to cache your most used data on super fast SSD's via a RAID controller.



Network Adaptor Teaming

The CyberStore DSS range can be configured with up to 16 network adaptors for impressive network performance and availability.

CyberStore DSS® Advantages

Doubles your overall performance

Doubles your overall performance in most of the configurations. You just need to set it up right.

Eliminates a Single Point of Failure

Eliminates a Single Point of Failure by configuring Active-Active clusters without shared (common) discs. Thanks to this, your data is more secure.

Self-Validation

Self-Validation of the system! When starting a cluster, DSS V7 checks all critical settings on each node. This way, clusters can't be started if they were configured wrong.

Cluster security

Cluster security is improved by the ability to configure as many Auxiliary paths as many network connections you have.

Increased sensibility for network Failures

Increased sensibility for network Failures, thanks to the possibility of configuring Ping Nodes

Speeds up networking connectivity

Speeds up networking connectivity, since I/O traffic is equally balanced on two nodes.

Detailed Specification iSCSI SAN & NAS Network Attached Storage Administration

Administration

- Web-based Graphical User Interface
- Improved look and speed of the GUI
- Secured Administration Access
- Tuning Tools
- Remote Access for Console
- Multiple Management Levels
- Automated Updating of OS
- Rollback to Previous OS
- Task Manager
- User Interface in German and English languages
- Schedule Manager

Network Management

- DHCP Client
- One Network Interface Card Support
- Multiple Network Interface Card Support
- Teaming/Bonding (including Adapter Fault Tolerance)
- 10Gb Ethernet Support
- Infiniband Support
- Proxy settings
- IP-sec
- Jumbo Frames Support

Storage Management

- Software iSCSI Initiator
- Software RAID 0, 1, 5, 6 with E-Mail Notification
- Degraded Mode for S/W RAID 1, 5, 6
- S.M.A.R.T. with E-Mail Notification
- Single and Multiple Hardware RAID Controller Support
- Multiple FibreChannel HBA Support (initiator mode)
- Multiple FibreChannel HBA Support (target mode)
- Support for over 16TB Logical Volumes
- Multiple Snapshot (multiple active snapshots per one LV at a time)
- Multiple Logical Volume & Groups
- Online Logical Volume Expansion
- Support for Online Capacity Expansion
- Build-in, SNMP based monitoring system

Storage Management / Replications

- Synchronous Volume Replication over LAN
- Synchronous Volume Replication over LAN with iSCSI failover
- Synchronous Volume Replication over LAN with NFS failover (available as feature pack)
- Data Replication over LAN
- Data Replication over WAN

Monitoring

- Hardware Monitoring
- SNMP v2, v3
- E-mail Notification
- Log Function

Hardware Support

- One CPU Support
- Multiple CPU Support (32x)
- UPS and Network UPS Support

Specific NAS Functionality

- Windows Active Directory / Primary Domain Controller
- Support For Network Information Service (NIS)
- Internal and External LDAP
- ADS & NIS User / Group ID Synchronization
- File System with Journaling Support
- User and Group Quota Control
- Antivirus (server's shares scanning)
- Supported Network File Clients
- Microsoft Windows, Linux, Unix, Mac OS 8.0, 9.0, X, 10.4
- Supported Network File Protocols
- SMB/CIFS, FTP, Secure FTP, HTTP, Apple Talk, NFS v2, v3

Specific iSCSI Functionality

- IP Address Restrictions for a Target
- CHAP User Management
- MPIO Support
- iSCSI Failover
- SCSI-3 Persistent Reservation Support

Backup Utility

- Local Backup
- Integrated Backup System
- Virtual Tapes
- Support for Tape Libraries, Autoloaders
- Tape Retention Time
- WORM Support (Write Once Read Many)
- NDMP v3.0 Support (Network Data Management Protocol)
- USB Storage Support for Dynamic Disk
- Backup-Agents (Backup Exec, Retrospect, BrightStor)

Other

- Installable Version
- Improved Software Architecture
- Help with search and index
- Extended save & restore settings
- Connections Status
- Sessions Management
- Initially Supported Storage Capacity (TB) 4/8/16TB
- Upgrade Ability



Storage Servers

Configure From £1,078

We offer a range of NAS, DAS, iSCSI SAN and Custom Storage Servers designed to grow with your storage needs.



Rackmount Servers

Configure From £353

Introducing the CyberServe range of rackmount servers, voted the best buy available in 2011, 2012 and 2013 by the most influential IT brand in the UK.



Workstations

Configure From £198

The Broadberry CyberStation boasts a complete range that will suit many high end graphics applications such as CAD and Scientific applications.

Trusted by the Worlds Biggest Brands

We have established ourselves as one of the biggest storage providers in the UK, and since 1989 supplied our server and storage solutions to the world's biggest brands. Our customers include:

