

Broadberry

CyberStore ARC[®] Archiving Appliances



CyberStore ARC[®]

Archive Storage Appliances

Modern data archiving compliancy regulations such as date retention policies has lead to a massive demand for cost-effective archiving solutions.

The Broadberry CyberStore range of archiving appliances have been designed and built from the ground up specifically for this purpose, meaning they're regulatory compliant, expandable, cost effective and provide the exceptional level of reliability Broadberry storage solutions have become renowned for since 1989.



CyberStore ARC[®] Archiving Appliances:



Based on multi-award winning Broadberry CyberStore hardware, the CyberStore ARC[®] range of feature-rich archive appliances has been specifically designed for enterprise-grade, reliable and cost effective data archiving.

- ✔ Choice of Operating Systems
- ✔ Specialist Archive HDDs
- ✔ Ultra-Reliable
- ✔ Expandable

Powering these organisations



CyberStore ARC®

The Broadberry CyberStore ARC® range of storage archiving appliances include 1U-4U server offerings boasting up to 144TB of raw storage capacity in a single storage unit.

Built from the ground up specifically for archiving, CyberStore ARC appliances are regulatory compliant, expandable, cost effective and provide the exceptional level of reliability Broadberry storage solutions have become renowned for since 1989.

Powered by Windows Storage Server 2012 r2, Open-E ARC or as hardware only ready for you to install your own operating system on, the CyberStore range of archiving appliances gives you the flexibility to choose an operating system that best suits you.



Based on the Multi-Award Winning CyberStore Storage Servers

Bagging numerous awards over the years from the biggest IT brands, and consistently being recognised as the Best Storage Appliance on the market, the Broadberry CyberStore range has been used in thousands of applications from small businesses to the BBC and CERN.

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

Based on ultra-reliable hardware from leading component manufacturers, the CyberStore® 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 failover.

Since 2012 the CyberStore® range has consistently beaten Fortune-100 server OEM's as the best storage appliance available year-after-year.



Powered by Specialist Archiving HDDs

The CyberStore ARC range has been designed from the ground up as a specialist storage archiving appliance, mixing Broadberry's deep knowledge of the market with specialist industry components.

Providing exceptional storage for the price, the CyberStore ARC range uses the industries first high-capacity hard drive specifically designed for cost-effectively storing active archive data and cloud content.

Benefits of Seagate Archiving HDDs:

- High-density 8TB hard drives for petabytes of affordable and accessible long-term online storage
- Enables significant system-level TCO savings with best cost-per-TB
- Maximum storage efficiency with lowest watts-per-TB
- Reliable, low-power data retrieval based on Shingled Magnetic Recording (SMR) technology
- RV-balanced for high density environments



Sizes to Fit all Applications

Boasting options from 1U servers with 4 drive bays, to 4U with 36 bays, whether you need petabytes of storage for archiving your data or just a few terabytes, you'll find the perfect solution in our range of CyberStore archiving appliances.

Based on standard iSCSI SAN or NAS interface, the Broadberry range of archiving appliances are ready to be deployed into your network within minutes of unboxing.



| Specifications | 8TB | 6TB | 5TB |
|--|----------------|----------------|----------------|
| Product Version | Archive HDD v2 | Archive HDD v2 | Archive HDD |
| Standard Model Numbers | ST8000AS0002 | ST6000AS0002 | ST5000AS0011 |
| Seagate Secure Model Numbers | ST8000AS0012 | ST6000AS0012 | ST5000AS0001 |
| Interface Options | SATA 6Gb/s NCQ | SATA 6Gb/s NCQ | SATA 6Gb/s NCQ |
| Performance | | | |
| Cache, Multisegmented (MB) | 128 | 128 | 128 |
| SATA Transfer Rates Supported (Gb/s) | 6.0/3.0/1.5 | 6.0/3.0/1.5 | 6.0/3.0/1.5 |
| Average Data Rate, Read/Write (MB/s) | 150 | 150 | 146 |
| Max Sustained Data Rate, OD Read (MB/s) | 190 | 190 | 180 |
| Configuration/Organization | | | |
| Heads/Disks | 12/6 | 12/6 | 8/4 |
| Bytes per Sector | 4096 | 4096 | 4096 |
| SMR Technology, Drive-Managed | Yes | Yes | Yes |
| Voltage | | | |
| Voltage Tolerance, Inc. Noise (5V) | ±5% | ±5% | ±5% |
| Voltage Tolerance, Inc. Noise (12V) | ±10% | ±10% | ±10% |
| Reliability/Data Integrity | | | |
| Load/Unload Cycles | 300000 | 300000 | 300000 |
| Nonrecoverable Read Errors per Bits Read, Max | 1 per 10E14 | 1 per 10E14 | 1 per 10E14 |
| Workload Rate Limit (TB/year) | 180 | 180 | 180 |
| Power-On Hours | 8760 (24×7) | 8760 (24×7) | 8760 (24×7) |
| Mean Time Between Failures (MTBF) (hours) | 800K | 800K | 800K |
| Limited Warranty (years) | 3 | 3 | 3 |
| Power Management | | | |
| Startup Power (A) | 2 | 2 | 2 |
| Operating Mode, Typical (W) | 7.5 | 7.5 | 5.5 |
| Idle Average (W) | 5 | 5 | 3.5 |
| Standby Mode (W) | <1.0 | <1.0 | <0.75 |
| Sleep Mode (W) | <1.0 | <1.0 | <0.75 |
| Environmental | | | |
| Temperature | | | |
| Operating (ambient min °C) | 0 | 0 | 0 |
| Operating (drive case max °C) | 60 | 60 | 60 |
| Nonoperating (ambient °C) | -40 to 70 | -40 to 70 | -40 to 70 |
| Halogen Free | Yes | Yes | Yes |
| RoHS Compliance | Yes | Yes | Yes |
| Physical | | | |
| Height (mm/in) | 26.11/1.028 | 26.11/1.028 | 26.11/1.028 |
| Width (mm/in) | 101.6/4.0 | 101.6/4.0 | 101.6/4.0 |
| Depth (mm/in) | 146.99/5.787 | 146.99/5.787 | 146.99/5.787 |
| Weight (g/lb) | 780/1.72 | 780/1.72 | 655/1.444 |
| Special Features | | | |
| Seagate AcuTrac Technology | Yes | Yes | Yes |
| In-Drive Diagnostics (IDD) | Yes | Yes | Yes |
| Seagate PowerChoice Technology | Yes | Yes | 0 |
| Deferred SATA Activation | Yes | Yes | Yes |
| Timestamp | Yes | Yes | Yes |
| Seagate Instant Secure Erase | Optional | Optional | Optional |
| SeaTools Diagnostic Software | Yes | Yes | Yes |
| S.M.A.R.T. Drive Monitoring and Reporting | Yes | Yes | Yes |
| Hotplug Operation (per SATA Rev. 3.0 Specifications) | Yes | Yes | Yes |
| Enterprise CS Phone Support | Yes | Yes | Yes |



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 ARC range can be configured with a single Xeon E3v3 processor or on larger units up to 2x Xeon E5 processors.



Daisy Chain CyberStore Appliances

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



With IPMI Remote Management

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



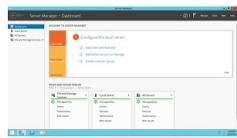
Built with Quality Components

All components in the Broadberry CyberStore ARC 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 ARC' built in Thin Provisioning feature.



Easy-to-Use Interface

The CyberStore ARC 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®



Specialist Archiving Hard Drives

The CyberStore ARC range has been designed from the ground up as a specialist storage archiving appliance, mixing Broadberry's deep knowledge of the market with specialist industry components.



Hardware SSD Caching

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

A Choice of Operating Systems

Powered by Windows Storage Server 2012 r2, Open-E DSS or as hardware only ready for you to install your own operating system on, the CyberStore ARC range of archiving appliances gives you the flexibility to chose an operating system that best suits you.



CyberStore ARC[®]



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:

