

# A BETTER HIGH AVAILABILITY SOLUTION

AIC High Availability Storage Solutions Deliver Simplified and Affordable Server Clustering with Avago Technologies Syncro® CS Solution and Open-E DSS V7 Software.



## KEY BENEFITS

- Fully redundant and fault-tolerant storage with all field replaceable units (FRUs) being hot-swappable
- SAN storage with HA capabilities at DAS price points
- Combines server redundancy with RAID data protection to run mission-critical applications locally
- Reduced complexity without the need for additional IT expertise
- Provides a ready to use appliance with OS, not just another hardware platform

## EXECUTIVE SUMMARY

As storage capacities and workloads continue to increase, data centers are being taxed to keep up with the increasing volume of information. IT staffs are challenged with inflexible architectures, increased complexity and outdated technologies. What is needed are storage solutions with higher performance availability, faster storage provisioning and higher service levels for storage solutions.

That's why AIC has teamed with Avago Technologies, a leading provider of highly reliable server and storage solutions, and Open-E, a well-established developer of IP-based storage management software, to offer the AIC high-availability (HA) server and JBOD model numbers HA401-CP2 & XJ3000-3163S, featuring the Avago Syncro CS and Open-E DSS V7 software. The combination of AIC storage, Syncro CS solutions and Open-E DSS V7 software provide the latest technology innovations with the highest return on investment, for maximum reliability and performance for any application or vertical market. They work together to provide a complete, HA server storage solution.

The Avago Syncro CS solution, built on the company's award-winning MegaRAID® technology, supports a sharable and scalable Direct Attach Storage (DAS), while providing high-level data protection capabilities. The Syncro CS solution helps reduce the need for networking expertise and cut costs for equipment like routers and switches, making it simpler and less expensive than other solutions. When used with AIC's storage solutions, it simplifies server clustering for a true HA solution that is fast, easy and affordable. Because Syncro CS cards fit directly into AIC solutions, the server boards easily communicate and share the storage pool to avoid failure.

The Open-E Data Storage Software DSS V7 is a fully featured SAN (Storage Area Network) solution used for building and managing centralized data storage servers with the Syncro CS cards. The SAN functionality offers support for iSCSI and Fibre Channel Target functionalities with Active/Active Failover. Open-E DSS V7 brings superior performance, extensibility and reliability, and is out-of-the-box tuned to provide high data-throughput and data protection for centralized storage. Thanks to the compatibility with VMware, Citrix Xen and MS Hyper-V, the software is an ideal tool for cloud storage and virtualization environments.

The combination of the AIC platform, the Open-E DSS V7 software and the Avago High Availability Syncro technology creates a complete ready to use storage appliance, rather than just another hardware platform.

## HA401-CP2 BENEFITS

The top benefits of the HA401-CP2 server are:

- A storage server that leverages the features of SBB standards with the use of COTS components
- Fully redundant and fault-tolerant. All FRUs are hot swappable and feature channels in the backplane which allow the use of 10 GbE, NonTransparent Bridging [NTB] or SAS for inter-chassis communication
- Dual processor SBB with maximum memory and IO support

## AIC HA401-CP2 4U24BAY HIGH-AVAILABILITY SERVER

The HA401-CP2 server is the ideal solution for any organization that requires a powerful storage server solution for mission-critical, enterprise-level storage applications where storage and workloads are increasing. It's particularly effective for datacenters, finance, high-performance computing (HPC) and broadcasting. It features High performance and density with a fully redundant and fault tolerant storage system with hot swappable field replaceable units (FRUs).

Each server controller has been integrated with the Avago Syncro CS 9271-8i and 9286-8e solutions. The 9271-8i provides a HA cluster-in-a-box solution for business continuity without the cost and complexity of traditional SAN solutions. The 9286-8e creates a two-server HA cluster from standard servers, as well as JBODs for business continuity using shared DAS.

## AIC XJ3000-3163S 3U16BAY JBOD STORAGE SOLUTION

The XJ3000-3163S storage solution is perfect for anyone in need of high performance and scalability. It is specifically designed for targeted applications such as near-line database expansion, virtual tape libraries, digital content archive, data center and cold storage.

The XJ3000-3163S relies on Syncro CS solutions to facilitate use of shared storage in a HA environment. The XJ3000-3163S is available through AIC authorized distributors and resellers.

The top benefits of the XJ3000-3163S storage solution are:

- High performance and scalability
- External port self-configuration to host or expansion
- Hot swappable design for easy maintenance and use
- Short depth design
- Adjustable Thermal Profile
- Easy deployment

## SUMMARY

AIC, Avago and Open-E work together to form a complete, HA SAN solution that addresses the demands of today's storage environments. Because Syncro CS cards fit directly into AIC solutions, the server boards easily communicate and share the storage pool for robust server redundancy and data protection. Plus, the Syncro CS solutions helps increase application uptime and reduce latency in distributed compute environments. Open-E DSS V7 software provides a scalable storage operating system to complete the solution. Through industry-leading technology from AIC, Avago and Open-E, organizations get maximum reliability and performance for any application or vertical market, with a higher return on investment.