ADLINK
TECHNOLOGY INC.

# Your Best Choice for System Integration

## ADLINK Storage Solution with Dual Host HA Control Software



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Advance Technologies; Automate the World | http://www.adlinktech.com

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# The Emerging Trend in the Storage Market



Nowadays the issue of data storage has become the highest priority for the enterprises. The Internet and Intranet(s) enable enterprises efficiently to generate, store, catalog and transfer data electronically. The Internet & Intranet(s) have also transformed the data centers of small to medium size companies to 7 x 24 data availability centers. Within the next 3 years market forecasters predict that we will generate more data than we have generated today.

# What does ADLINK Provide?

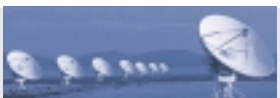
ADLINK is worldwide well-known industrial computer platform designer and manufacturer. Currently we would like to provide the "ready-to-use" systems with integrated storage solutions for high data availability and/or business continuous applications. ADLINK provides SCSI to IDE, SCSI to SCSI and NAS products contain multiple host ports. This allows ADLINK's storage products to be connected to multiple servers configured for automatic fail such as in small server clusters. ADLNK also offers high availability auto fail over server (cluster) software that runs on software platforms such as Windows NT, 2000, Solaris, Linux and more.

ADLINK's storage products are for ease of the deployment that translates into simplicity in configuration and installation. ADLINK's storage products come with backplanes, stead of cable wiring to enhance data reliability and serviceability plus automatic data consistency checks to guarantee data availability. Additional data availability features include hot-swappable disk trays, power supplies, fans and SAF-TE compliant chassis. Web based GUI management utilities provide user-friendly interfaces and controller modem ports that can reach out to you when nonstandard event(s) occur.

# What are the Benefits?

ADLINK's storage products will benefit its customers to reduce the effort for the system integration and eliminate the suffering from the compatibility issue. With our highly reliable industrial computer platforms and the storage products, ADLINK will be absolutely your best choice for your system integration business or enterprise storage applications.





# ADLINK Storage Subsystem Specification Matrix

| | *SCSI to IDE solutions* | | | | | *SCSI to SCSI solutions* | |
|---|---|---|---|---|---|---|---|
| | ASB-1400 | ASB-2800 | ASB-3140 | AOT-R8900A | AOT-R8910A | ASB-4120D (Dual controllers) | AOT-R6604 |
| **Product Picture** |  |  |  |  |  |  |  |
| **Controller CPU** | Intel 80303 | Intel 80303 | Intel 80303 | Intel I960RN | Intel 80303 | Intel 80303 | Intel I960RN |
| **RAID Level Supported** | 0,1,3,5,0+1 | 0,1,3,5,0+1 | 0,1,3,5,0+1 | 0,1,3,5,0+1 | 0,1,3,5,0+1 | 0,1,3,5,0+1 | 0,1,3,5,0+1 |
| **Cache Memory** | 128– 512 MB | 128 – 512 MB | 128 – 512 MB | 64 – 128 MB | 128 – 512 MB | 256 – 512 MB | 64 – 128 MB |
| **Host Bus Interface Channels** | Ultra 160 *1 | Ultra 160 *2 | Ultra 160 *2 | Ultra 160 *2 | Ultra 160 *2 | Ultra 160 *2 | Ultra 160 *2 |
| **Host Swap P/S** | 200W*2 | 300W*2 | 300W*3 | 250W*2, 300W*2(Optional) | 300W*2 | 300W*3 | 300W*2 |
| **No of Disks** | 4 | 8 | 14 | 8 | 8 | 12 | 8~24( Extendable) |
| **Java GUI RAID manager** | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| **ENC** | Yes | Yes | Yes | Yes | Yes | Yes | Yes |

| | *NAS solutions* | | |
|---|---|---|---|
| | AON-R6000 | AON-R6000I | ASN-3140 |
| **Product Picture** |  |  |  |
| **Type** | SCSI NAS system | IDE NAS system | SCSI NAS system |
| **Main board CPU** | VIA C3 800MHZ or above | VIA C3 800MHZ or above | Intel Pentium III 1.13GHz or above |
| **Controller CPU** | Intel i960RN | Intel 80303 | Intel 80303 |
| **Memory** | 256MB for Main board 64MB for RAID | 256MB for Main board 128MB for RAID | 512MB for Main board 128MB for RAID |
| **Ethernet port** | 10/100TX * 3, 1000TX * 1 (Option) | 10/100TX * 3, 1000TX * 1 (Option) | 10/100TX * 1, 1000TX * 1 |
| **HDD bays** | 8~24 extendable(Ultra160 SCA-2 SCSI) | 8 (IDE) | 14 (IDE) |
| **NAS OS** | UNIX-based Embedded | UNIX-based Embedded | UNIX-based Embedded |
| **DAS connection & Tape Support** | Yes | Yes | Yes |
| **Power Supply** | 250W*2 | 300W*2 | 300W*3 |






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# Dual Host High Availability Control Software for Host Failure Recovery - Dataware

DataWare series is a high availability, business continuous, load balancing application that allows two servers to be connected together forming a cluster. The function of this cluster is to keep data flowing even if one of the servers fails. To accomplish this fail-over mechanism, DataWare performs functions such as redundant resources management, failure detection, isolation and recovery, logging and notification tasks. DataWare was designed to take real-time actions to resolve real-time nonstandard events. DataWare establishes a cost effective, highly efficient clustered environment for mission critical, business continuous applications, such as retail point-of-sale, online banking, claims processing, telemarketing, RDBMS, Internet and other transaction-oriented applications.

## Features:

**Load balancing:**

Applications can be executed on either server. (i.e. one server can be running Microsoft IIS Wed server, the other server running Microsoft SQL Server applications).

**Restart:**

Any failure that causes operation interrupts will first be resolved locally (e.g., restart on original server). If the operation can not be resumed, all related resource objects will fail over to the peer server in a minimum time span.

**Automatic client connection:**

You do not need to notify or reconfigure the clients when an application has failed over to the peer server. When an application fails over, the peer server assumes the identity of the original server for that application.

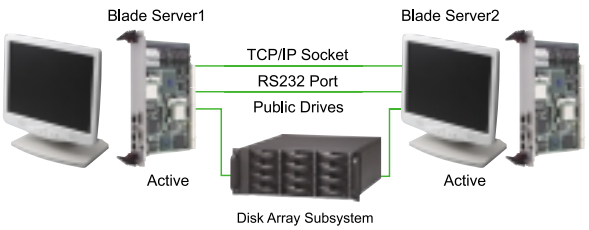
**Automatic events-trigger:**

System administrators can specify script files that DataWare automatically starts in response to certain events.

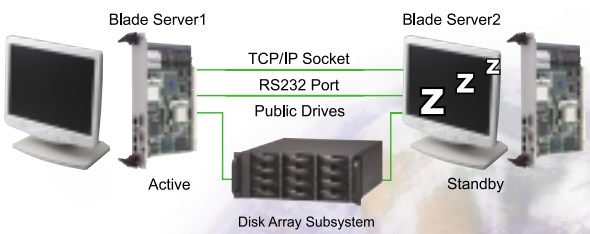
**Automatic or manual fail-over:**

In addition to Automatic fail-over, DataWare can be configured for manual fail-over mode. This feature frees up one of the servers to perform functions such as trouble shooting, upgrading and/or scheduled maintenance without causing long interruptions to one or more client applications .

## Dual Active Mode




## Hot Standby Mode




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## Ordering Information

| Model Number | Description/Configuration |
|---|---|
| **ASB-1400** | 1U/4 bays U3 LVD SCSI to IDE RAID subsystem |
| **ASB-2800** | 2U/8 bays LVD SCSI to IDE RAID subsystem |
| **ASB-3140** | 3U/14 bays U3 LVD SCSI to IDE RAID subsystem |
| **AOT-R8900A** | 2 x U3 LVD SCSI to IDE RAID subsystem (Intel I960RN) |
| **AOT-R8910A** | 2 x U3 LVD SCSI to IDE RAID subsystem (Intel 80303) |
| **ASB-4120D** | 4U/12 bays SCSI to SCSI dual controller RAID subsystem |
| **AOT-R6604** | 4U/8 bays SCSI to SCSI dual controller RAID subsystem |
| **AON-R6000** | 4U/8 bays NAS SCSI RAID subsystem |
| **AON-R6000I** | 4U/8 bays NAS IDE RAID subsystem |
| **ASN-3140** | 3U/14 bays IDE NAS subsystem |
| **Dataware (Windows)** | Dual Host HA Control Software for NT |
| **Dataware (UNIX)** | Dual Host HA Control Software for UNIX |


**ADLINK TECHNOLOGY INC.**
**凌華科技股份有限公司**
http://www.adlinktech.com
235台北縣中和市建一路166號9樓
9F, No.166 Jian Yi Road, Chungho City,
Taipei, Taiwan, R.O.C.
Tel: +886-2-82265877
Fax: +886-2-82265717
E-mail: service@adlinktech.com

**ADLINK TECHNOLOGY AMERICA, INC.**
15279 Alton Pkwy., Suite 400,
Irvine, CA 92618, U.S.A.
Toll Free: +1-866-4-ADLINK
Fax: +1-949-727-2099
E-mail: usa@adlinktech.com

**ADLINK TECHNOLOGY SINGAPORE PTE LTD**
84 Genting Lane #07-02A,
Cityneon Design Centre, Singapore 349584
Tel: +65-6844-2261
Fax: +65-6844-2263
E-mail: singapore@adlinktech.com

**ADLINK TECHNOLOGY BEIJING (北京凌華)**
中国北京海淀区上地信息产业基地创业中路8號
群英科技园5号楼3层东
邮政编码:100085
Tel: +86-10-6296-2789~91
Fax: +86-10-6296-2796
E-mail: beijing@adlinktech.com

**ADLINK TECHNOLOGY SHANGHAI (上海凌華)**
中国上海市漕河泾高科技开发区钦江路333号39幢4层
邮政编码:200233
Tel: +86-21-6495-5210
Fax: +86-21-5450-0414
E-mail: shanghai@adlinktech.com

**ADLINK TECHNOLOGY SHENZHEN (深圳凌華)**
深圳市南山区登良路南油天安工业区3座1楼
邮政编码: 518054
Tel: +86-755-2643-4858
Fax: +86-755-2664-6353
E-mail: shenzhen@adlinktech.com

For more info please contact: blade@adlinktech.com



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