

Your Best Choice for System Integration

ADLINK **Storage** Solution with
Dual Host HA Control Software



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. ADLINK 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, instead 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

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, tele-marketing, 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 Web 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.

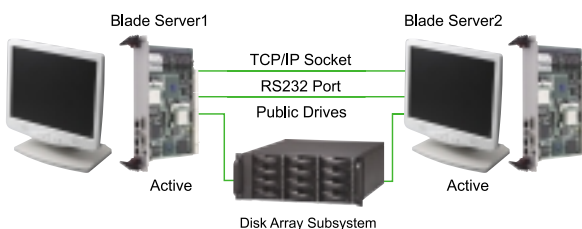
Automatic events-trigger:

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

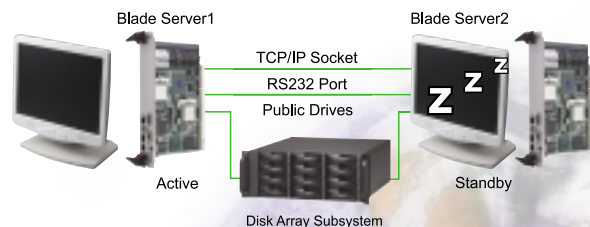
Automatic or manual fail-over:

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



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 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 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 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 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 SHENZHEN (深圳凌華)

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