

# Compatibility Matrix

For Adaptec HBAs, RAID & Intelligent Storage Controllers and Hitachi HDDs

INTERNAL HBA OR RAID CARDS						COMPATIBLE HARD DISK SERIES
Model	Interface	Type	RAID Levels	Internal Connectors	External Connectors	Hitachi SAS & SATA drives
Adaptec RAID 51245/51645/52445	8 lane PCIe	Unified Serial RAID	0/1/1E/5/5EE/6/10/50/60/JBOD	3x, 4x, 6x SFF-8087	1x SFF-8088	A7K1000, 15K300, 15K147, E7K500, T7K500, 7K160
Adaptec RAID 5405/5805/5445	8 lane PCIe	Unified Serial RAID	0/1/1E/5/5EE/6/10/50/60/JBOD	1x, 2x SFF-8087	1 x SFF8088 (7445 only)	A7K1000, 15K300, 15K147, E7K500, T7K500, 7K160
Adaptec RAID 31205/31605	8 lane PCIe	Unified Serial RAID	0/1/1E/5/5EE/6/10/50/60/JBOD	3x, 4x SFF-8087	None	A7K1000, 15K300, 15K147, E7K500, T7K500, 7K160
Adaptec RAID 3405/3805	4 lane PCIe	Unified Serial RAID	0/1/1E/5/5EE/6/10/50/60/JBOD	1x, 2x SFF-8087	None	A7K1000, 15K300, 15K147, E7K500, T7K500, 7K160
Adaptec RAID 3085/5085	8 lane PCIe	Unified Serial RAID	0/1/1E/5/5EE/6/10/50/60/JBOD Dual path failover	None	2x SFF-8088	A7K1000, 15K300, 15K147, E7K500, T7K500, 7K160
SAS 44300/48300	PCI-X	SAS HBA wih HostRAID	0/1/10/JBOD	1x SFF-8484	1x SFF-8470 (48300 only)	A7K1000, 15K300, C10K147,7K160, E7K500, T7K500, 15K147
SAS 58300	PCI-X	SAS HBA wih HostRAID	0/1/10/JBOD	None	Two, 4X SFF-8470	A7K1000, 15K300, C10K147,7K160, E7K500, T7K500, 15K147

# Compatibility Matrix

For Adaptec HBAs & RAID Controllers and Hitachi Hard Disk Drives

HITACHI HDD MODELS						
Family	Models	Form Factor	RPM	Interface	Typical Seek Time (ms)	Capacities (GB)
C10K147	HUC101414CSS300	2.5"	10K	SAS (3Gbps)	3.7 (read), 4.2 (write)	147
	HUC101473CSS300				3.7 (read), 4.2 (write)	73
15K300	HUS153030VLS300	3.5"	15K	SAS (3Gbps)	3.4 (read), 3.8 (write)	300
	HUS153014VLS300				3.2 (read), 3.6 (write)	147
	HUS153073VLS300				3.2 (read), 3.6 (write)	73
A7K1000	HUA721010KLA330	3.5"	7.2K	SATA (3Gbps/1.5Gbps)	8.2 (read), 9.2 (write)	1000
	HUA721075KLA330					750
	HUA721050KLA330					500
7K160 (1)	HDS721616PLA380	3.5"	7.2K	SATA (3Gbps/1.5Gbps)	8.5 (read), 9.5 (write)	160
	HDS721612PLA380					120
	HDS721680PLA380					80
15K147	HUS151414VLS300	3.5"	15K	SAS (3Gbps)	3.7 (read), 4.1 (write)	147
	HUS151473VLS300				3.6 (read), 4.0 (write)	73
	HUS151436VLS300				3.3 (read), 3.7 (write)	36
T7K500 (1)	HDT725050VLA380	3.5"	7.2K	SATA (3Gbps/1.5Gbps)	8.5 (read), 9.5 (write)	500
	HDT725040VLA380					400
	HDT725032VLA380					320
	HDT725030VLA380					300
	HDT725025VLA380					250
E7K500 (1)	HDS725050KLA360	3.5"	7.2K	SATA (3Gbps/1.5Gbps)	8.2 (read), 9.2 (write)	500

Notes: Not all current Hitachi HDD or Adaptec controllers are included in the above lists.

The list represents combinations of HDD which have been tested with specific controllers however there is no reason to believe that unlisted models of HDD would not operate correctly (they have just not been tested at this time)

Further compatibility information can be found at [http://www.adaptec.com/en-US/\\_common/compatibility/](http://www.adaptec.com/en-US/_common/compatibility/) and also at <http://www.hitachigst.com/tech/techlib.nsf/pages/main?OpenDocument&linkto=QL>

(1) Compatibility issues may occur with the use of these HDD and certain SAS expanders

# Compatibility Matrix

For Adaptec HBAs & RAID Controllers and Hitachi Hard Disk Drives

## PRODUCTS

**adaptec**<sup>®</sup>

[www.adaptec.com](http://www.adaptec.com)



**Adaptec RAID 52445**  
24+4-port, PCIe, RAID 0, 1,  
1E, 5, 5EE, 6, 10, 50, 60



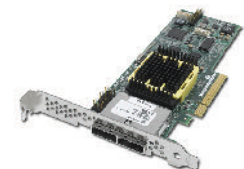
**Adaptec RAID 48300**  
8-port, PCI-X, RAID 0, 1, 10  
and JBOD



**Adaptec RAID 44300**  
4-port, PCI-X, RAID 0,  
1, 10 and JBOD



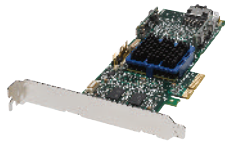
**Adaptec RAID 5805**  
8-port, PCIe, RAID 0, 1,  
1E, 5, 5EE, 6, 10, 50, 60



**Adaptec RAID 5085**  
8-port, PCIe, RAID 0, 1,  
1E, 5, 5EE, 6, 10, 50, 60



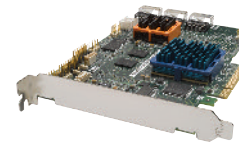
**Adaptec RAID 3085**  
8-port, PCIe, RAID 0, 1,  
1E, 5, 5EE, 6, 10, 50, 60



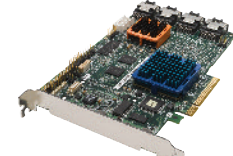
**Adaptec RAID 3405**  
4-port, PCIe, MD2 low-  
profile, RAID 0, 1, 1E, 5,  
5EE, 6, 10, 50, 60



**Adaptec RAID 3805**  
8-port, PCIe, MD2 low-  
profile, RAID 0, 1, 1E, 5,  
5EE, 6, 10, 50, 60



**Adaptec RAID 31205**  
12-port, PCIe, RAID 0, 1, 1E,  
5, 5EE, 6, 10, 50, 60



**Adaptec RAID 31605**  
16-port, PCIe, RAID 0, 1, 1E,  
5, 5EE, 6, 10, 50, 60



[www.hitachigst.com](http://www.hitachigst.com)



**E7K500**



**T7K500**



**7K160**

Copyright 2008 Adaptec, Inc. All rights reserved. Adaptec, and the Adaptec logo, are trademarks of Adaptec, Inc., which may be registered in some jurisdictions. Microsoft and All other trademarks used are owned by their respective owners. Information supplied by Adaptec, Inc., is believed to be accurate and reliable at the time of printing, but Adaptec, Inc., assumes no responsibility for any errors that may appear in this document. Adaptec, Inc., reserves the right, without notice, to make changes in product design or specifications. Information is subject to change without notice.

Copyright Hitachi Global Storage Technologies 2007, Hitachi Global Storage Technologies, 5600 Cottle Road, San Jose, Ca 95193. All Rights Reserved. This publication is for general information only and does not imply that Hitachi Global Storage Technologies intends to make these technologies available in all products. The information provided is true as of the date of publication and is subject to change without notice. Product information is provided for information purposes only and does not constitute a warranty.

P/N: 987071-011 Printed in U.S.A. 10/07 6032\_1.1