

## Supported Drive List

The drives listed below have been tested on the 3ware 9690SA series controllers for data integrity, interoperability and compatibility. Any special conditions or problem are noted below. AMCC recommends burning in new disk drives for at least 48 hours before use. <http://www.3ware.com/KB/article.aspx?id=13594>

Some drives are listed as 'In tested family'. Although not specifically tested, these drives are in the same family as other drives are have been tested. In general if one drive in the family passed compatibility testing, then as long as other drives in the same family have the same firmware or newer then likely they will function just as well.

## Direct Attached

Manufacturer	Model / Family	Firmware	Capacity (GB)	NCQ	Drive Type - Form Factor - Speed	Other Information (drives are 7200RPM unless stated otherwise)
Fujitsu	10K Enterprise					
	MAV2036RC	109	36		SAS - 2.5" - 3.0 Gb/s	10K RPM
	MAV2073RC		73		SAS - 2.5" - 3.0 Gb/s	In tested family
Fujitsu	15K Enterprise					
	MAX3036RC		36		SAS - 2.5" - 3.0 Gb/s	15K RPM
	MAX3073RC	D206	73		SAS - 2.5" - 3.0 Gb/s	15K RPM
	MAX3147RC		147		SAS - 2.5" - 3.0 Gb/s	15K RPM
Fujitsu	10K SFF Enterprise					
	MAY2036RC		36		SAS - 2.5" - 3.0 Gb/s	In tested family
	MAY2073RC		73		SAS - 2.5" - 3.0 Gb/s	10K RPM
Hitachi	Ultrastar A7K1000					
	HUA721050KLA330		500	Yes	3.0 Gb/s	In tested family
	HUA721075KLA330	GK80A70M	750	Yes	3.0 Gb/s	32 MB buffer
	HUA721010KLA330	GKA0A70M	1000	Yes	3.0 Gb/s	32 MB buffer
Hitachi	Deskstar 7K500					
	HDS725050KLA360	K2AOAB0A	500	Yes	3.0 Gb/s	
Hitachi	Deskstar 7K1000					
	HDS721075KLA330	GKA0A51D	750	Yes	3.0 Gb/s	8 MB buffer
	HDS721010KLA330	GKA0A51D	1000	Yes	3.0 Gb/s	8 MB buffer
Hitachi	Deskstar 15K147					
	HUS151436VLS300		36	Yes	SAS - 3.5" - 3.0 Gb/s	15K RPM
	HUS151473VLS300		73	Yes	SAS - 3.5" - 3.0 Gb/s	In tested family
	HUS151414VLS300		147	Yes	SAS - 3.5" - 3.0 Gb/s	In tested family
Hitachi	Deskstar 15K300					
	HUS153073VLS300		73	Yes	SAS - 3.5" - 3.0 Gb/s	15K RPM
	HUS153014VLS300	A140	147	Yes	SAS - 3.5" - 3.0 Gb/s	15K RPM
	HUS153030VLS300		300	Yes	SAS - 3.5" - 3.0 Gb/s	15K RPM
Maxtor	Maxtor					
	8J073S0		73		SAS - 3.5" - 3.0 Gb/s	10K RPM
Maxtor	Maxtor					
	8K036S0	BG3R	36		SAS - 3.5" - 3.0 Gb/s	15K RPM
Samsung	SpinPoint P Series					
	HD080HJ <sup>2</sup>	ZH100-33	80	Yes	3.0 Gb/s	Disable NCQ
	SP0812C		80	No	1.5 Gb/s	In tested family
	HD120IJ		120	Yes	3.0 Gb/s	In tested family
	HD160JJ <sup>2</sup>	WU100-34	160	Yes	3.0 Gb/s	Disable NCQ
	SP1614C		160	No	1.5 Gb/s	In tested family
	SP2004C		200	Yes	3.0 Gb/s	In tested family
	SP2504C		250	Yes	3.0 Gb/s	In tested family
Samsung	Spinpoint F1 DT					
	HD753LJ		750	Yes	3.0 Gb/s	In tested family
	HD103UJ	1AA01104	1000	Yes	3.0 Gb/s	32 MB buffer

Samsung	F1 RAID Class					
	HE753LJ		750	Yes	3.0 Gb/s	In tested family
	HE103UJ	1AA01108	1000	Yes	3.0 Gb/s	32 MB buffer
Samsung	Spinpoint F1 DT					
	HD161GJ		160	Yes	3.0 Gb/s	8 MB buffer
	HD162GJ		160	Yes	3.0 Gb/s	16 MB buffer
	HD251HJ		250	Yes	3.0 Gb/s	8 MB buffer
	HD252HJ		250	Yes	3.0 Gb/s	16 MB buffer
	HD321HJ		320	Yes	3.0 Gb/s	8 MB buffer
	HD322HJ		320	Yes	3.0 Gb/s	16 MB buffer
	HD501IJ		500	Yes	3.0 Gb/s	8 MB buffer
	HD502IJ		500	Yes	3.0 Gb/s	16 MB buffer
	HD642JJ		640	Yes	3.0 Gb/s	16 MB buffer
	HD753LJ	1AA01107	750	Yes	3.0 Gb/s	32 MB buffer
	HD103UJ		1000	Yes	3.0 Gb/s	32 MB buffer
Seagate	ST380810AS	3.AAE	80	Yes	3.0 Gb/s	8 MB buffer
Seagate	Barracuda ES Family					
	ST3250620NS		250	Yes	3.0 Gb/s	In tested family
	ST3250820NS	3.AEE	250	Yes	3.0 Gb/s	In tested family
	ST3320620NS		320	Yes	3.0 Gb/s	In tested family
	ST3400620NS		400	Yes	3.0 Gb/s	In tested family
	ST3500630NS	3.AEG	500	Yes	3.0 Gb/s	16 MB buffer
	ST3750640NS	3.AEE	750	Yes	3.0 Gb/s	16 MB buffer
Seagate	Barracuda 7200.10 Series					
	ST3750640AS	3.AAC	750	Yes	3.0 Gb/s	In tested family
	ST3500630AS	3.AAK	500	Yes	3.0 Gb/s	In tested family
	ST3400620AS		400	Yes	3.0 Gb/s	In tested family
	ST3320620AS	3.AAC	320	Yes	3.0 Gb/s	In tested family
	ST3250620AS		250	Yes	3.0 Gb/s	In tested family
	ST3250820AS		250	Yes	3.0 Gb/s	In tested family
	ST3250410AS		250	Yes	3.0 Gb/s	In tested family
	ST3250310AS		250	Yes	3.0 Gb/s	In tested family
	ST3200820AS	3.AAE	200	Yes	3.0 Gb/s	In tested family
	ST3160815AS		160	Yes	3.0 Gb/s	In tested family
	ST3160215AS		160	Yes	3.0 Gb/s	In tested family
	ST380815AS	3.AAD	80	Yes	3.0 Gb/s	16 MB buffer
	ST380215AS		80	Yes	3.0 Gb/s	In tested family
Seagate	Cheetah 15K.4					
	ST336754SS		73		SAS - 3.5" - 3.0 Gb/s	15K RPM
	ST373454SS		146		SAS - 3.5" - 3.0 Gb/s	15K RPM
	ST3146854SS	0003	300		SAS - 3.5" - 3.0 Gb/s	15K RPM
Seagate	Cheetah® 15K.5					
	ST373455SS		73	Yes	SAS - 3.5" - 3.0 Gb/s	15K RPM
	ST3146855SS	0003	146	Yes	SAS - 3.5" - 3.0 Gb/s	In tested family
	ST3300655SS	0002	300	Yes	SAS - 3.5" - 3.0 Gb/s	15K RPM
Seagate	Savvio® 10K.2					
	ST973402SS	0002	73	Yes	SAS - 2.5" - 3.0 Gb/s	10K RPM
	ST9146802SS		146	Yes	SAS - 2.5" - 3.0 Gb/s	10K RPM
Western Digital	Caviar SE 16					
	WD4000KD	01.06A01	400	No	1.5 Gb/s	16 MB buffer, ROHS
	WD5000KS		500	Yes	3.0 Gb/s	In tested family
Western Digital	WD RE2					
	WD4000YS	09.02E09	400	Yes	3.0 Gb/s	16 MB buffer
	WD4000ABYS		400	Yes	3.0 Gb/s	In tested family
	WD5000YS	07.02E07	500	Yes	3.0 Gb/s	In tested family
	WD1601ABYS					In tested family
	WD2502ABYS					In tested family



## 3ware 9690SA Drive 9.5.0.1 code set Compatibility List

July 2008 ([http://www.3ware.com/support/sys\\_compatibility.asp](http://www.3ware.com/support/sys_compatibility.asp))

	WD5000ABYS		500	Yes	3.0 Gb/s	16 MB buffer
	WD3201ABYS		320	Yes	3.0 Gb/s	In tested family
	WD4001ABYS		400	Yes	3.0 Gb/s	In tested family
	WD5001ABYS		500	Yes	3.0 Gb/s	In tested family
Western Digital	WD RE2-GP					
	WD5000ABPS		500	Yes	3.0 Gb/s	In tested family
	WD7500AYPS		750	Yes	3.0 Gb/s	In tested family
	WD1000FYPS	02.01B01	1000	Yes	3.0 Gb/s	5400 RPM

<sup>1</sup> Listed drive firmware must be used

<sup>2</sup> SMART failure might be seen on this drive due to a drive firmware problem. NCQ is currently not recommended for this drive.

<sup>3</sup> RAID edition version of these drives are recommended for RAID applications.

<sup>4</sup> NCQ must be disabled on these drives. The User's Guide details how to disable NCQ.

<sup>5</sup> See 3ware KB article 14865 regarding performance of WD desktop drives in RAID environments.

<sup>6</sup> See 3ware KB article 14905 regarding required manufacturing dates.

<sup>7</sup> See 3ware KB article 14866 regarding required manufacturing dates.

<sup>8</sup> See 3ware KB article 15385 regarding required Seagate firmware