

The drives listed below have been tested on the 9650SE 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.

3.5" Serial ATA (SATA) Drive List

Manufacturer	Model / Family	Firmware	Capacity (GB)	NCQ	SATA Link Speed	Other Information (drives are 7200RPM unless stated otherwise)
Hitachi	Deskstar 7K80 Family					
	HDS728040PLA320		40	Yes ¹	3.0 Gb/s	In tested family
	HDS728080PLA380	PF20A6EA	80	Yes	3.0 Gb/s	2 MB buffer
Hitachi	Deskstar 7K160 Family					
	HDS721680PLA380		80	Yes	3.0 Gb/s	In tested family
	HDS721616PLA380		160	Yes	3.0 Gb/s	
Hitachi	Deskstar 7K500 Family					
	HDT725050VLA380	500		Yes	3.0 Gb/s	In tested family
	HDT725040VLA380	400		Yes	3.0 Gb/s	In tested family
	HDT725032VLA380	320		Yes	3.0 Gb/s	In tested family
	HDT725025VLA380	250		Yes	3.0 Gb/s	In tested family
	HDT725050VLA360	500		Yes	3.0 Gb/s	
	HDT725040VLA360	400		Yes	3.0 Gb/s	
	HDT725032VLA360	320		Yes	3.0 Gb/s	In tested family
	HDT725025VLA360	250		Yes	3.0 Gb/s	In tested family
Maxtor	DiamondMax Plus 9					
	6Y060M0 ³		60	No	1.5 Gb/s	In tested family
	6Y080M0 ³	YAR51EW0	80	No	1.5 Gb/s	8 MB buffer
	6Y120M0 ³		120	No	1.5 Gb/s	In tested family
	6Y160M0 ³		160	No	1.5 Gb/s	In tested family
	6Y200M0 ³		200	No	1.5 Gb/s	In tested family
	6Y250M0 ³		250	No	1.5 Gb/s	In tested family
Maxtor	DiamondMax 10					
	6B080M0 ³		80	Yes	1.5 Gb/s	In tested family
	6B120M0 ³		120	Yes	1.5 Gb/s	In tested family
	6B160M0 ³		160	Yes	1.5 Gb/s	In tested family
	6B200M0 ³		200	Yes	1.5 Gb/s	In tested family
	6B250S0 ³		200	Yes	1.5 Gb/s	In tested family
	6B300S0 ³	BANC17M0	300	Yes	1.5 Gb/s	16 MB buffer
Maxtor	MaXLine III					
	7B250R0		250	Yes	1.5 Gb/s	In tested family
	7B250R0		250	Yes	1.5 Gb/s	In tested family
	7B300R0		300	Yes	1.5 Gb/s	In tested family
	7B300S0		300	Yes	1.5 Gb/s	16 MB buffer
Maxtor	MaXLine Pro 500					
	7H500F0	HA431DD0	500	Yes	3.0 Gb/s	16 MB buffer
Samsung	SpinPoint P80 Series					
	SP0812C		80	No	1.5 Gb/s	In tested family
	SP1213C	SV100-30	120	No	1.5 Gb/s	8 MB buffer
	SP1614C		160	No	1.5 Gb/s	In tested family
Samsung	SpinPoint P Series					
	HD080HJ	WT100-33 & ZH100-33	80	Yes	3.0 Gb/s	
	SP0812C		80	No	1.5 Gb/s	In tested family
	HD120IJ		120	Yes	3.0 Gb/s	In tested family
	HD160JJ	WU100-33	160	Yes	3.0 Gb/s	8 MB buffer
	SP1614C		160	No	1.5 Gb/s	In tested family
	SP2004C ²		200	Yes	3.0 Gb/s	In tested family
	SP2504C ²		250	Yes	3.0 Gb/s	In tested family
Seagate	Barracuda 7200.9 Family					
	ST3500841AS		500	Yes	3.0 Gb/s	In tested family

	ST3500641AS	3.AAE	500	Yes	3.0 Gb/s	In tested family
	ST3400833AS		400	Yes	3.0 Gb/s	In tested family
	ST3400633AS		400	Yes	3.0 Gb/s	In tested family
	ST3300822AS		300	Yes	3.0 Gb/s	In tested family
	ST3300622AS		300	Yes	3.0 Gb/s	In tested family
	ST3250824AS		250	Yes	3.0 Gb/s	In tested family
	ST3250624AS		250	Yes	3.0 Gb/s	In tested family
	ST3200827AS		200	Yes	3.0 Gb/s	In tested family
	ST3160812AS		160	Yes	3.0 Gb/s	
	ST3160212AS		160	Yes	3.0 Gb/s	In tested family
	ST3120813AS	2.AAA	120	Yes	3.0 Gb/s	
	ST3120213AS		120	Yes	3.0 Gb/s	In tested family
	ST3808110AS	3.AAD & 3.AAE	80	Yes	3.0 Gb/s	8 MB buffer
	ST3802110AS		80	Yes	3.0 Gb/s	In tested family
	ST3402111AS		40	Yes	3.0 Gb/s	In tested family
Seagate	Barracuda 7200.10 Family					
	ST3750640AS	3.AAC	750	Yes	3.0 Gb/s	
	ST3750840AS		750	Yes	3.0 Gb/s	In tested family
	ST3500630AS	3.AAC	500	Yes	3.0 Gb/s	
	ST3500830AS		500	Yes	3.0 Gb/s	In tested family
	ST3400620AS		400	Yes	3.0 Gb/s	In tested family
	ST3400820AS		400	Yes	3.0 Gb/s	In tested family
	ST3320620AS	3.AAC	320	Yes	3.0 Gb/s	
	ST3320820AS		320	Yes	3.0 Gb/s	In tested family
	ST3300620AS		300	Yes	3.0 Gb/s	In tested family
	ST3300820AS		300	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
	ST3200820AS		200	Yes	3.0 Gb/s	In tested family
Seagate	Momentum 5400.2 SATA					
	ST9120821AS	3.04	120	No	1.5 Gb/s	8 MB buf/5400 RPM
	ST9100824AS		100	No	1.5 Gb/s	In tested family
	ST98823AS		80	No	1.5 Gb/s	In tested family
	ST96812AS		60	No	1.5 Gb/s	In tested family
	ST94813AS		40	No	1.5 Gb/s	In tested family
	ST93811AS		30	No	1.5 Gb/s	In tested family
Seagate	NL35 Series					
	ST3400832NS	5.01	400	Yes	1.5 Gb/s	
	ST3400632NS		400	Yes	1.5 Gb/s	In tested family
	ST3250823NS		250	Yes	1.5 Gb/s	In tested family
	ST3250623NS	5.01	250	Yes	1.5 Gb/s	16 MB buffer
	ST3250824NS		250	Yes	3.0 Gb/s	In tested family
	ST3400633NS		400	Yes	3.0 Gb/s	In tested family
	ST3400833NS		400	Yes	3.0 Gb/s	In tested family
	ST3500641NS		500	Yes	3.0 Gb/s	In tested family
Western Digital	Raptor					
	WD360GD		36	No	1.5 Gb/s	In tested family
	WD740GD		74	No	1.5 Gb/s	In tested family
	WD1500ADFD ⁷	19.06P19	150	Yes	1.5 Gb/s	16 MB buffer, 10K RPM
	WD1500AHFD ⁷	20.07P20	150	Yes	1.5 Gb/s	16 MB buffer, 10K RPM
Western Digital	WD RE2					
	WD4000YR ⁶		400	Yes	1.5 Gb/s	16 MB buffer
	WD5000YS-01MPB0	07.02E07	500	Yes	3.0 Gb/s	16 MB buffer
Western Digital	Caviar SE					
	WD400JD		40	No	3.0 Gb/s	In tested family
	WD800JD-00HKA0 ^{3,5}	13.03G13	80	No	3.0 Gb/s	In tested family
	WD1200JD ^{3,5}	02.05D02	120	No	1.5 Gb/s	In tested family
	WD1200JS ^{3,5}	02.01C03	120	Yes	1.5 Gb/s	8 MB buffer
	WD1600JD		160	No	3.0 Gb/s	In tested family
	WD1600JS		160	No	3.0 Gb/s	In tested family

	WD2000JD ^{3,5}	02.05D02	200	No	1.5 Gb/s	8 MB buffer
	WD2000JS		200	No	1.5 Gb/s	In tested family
	WD2500JD-75FYB0 ^{3,5}	02.05D02	250	No	1.5 Gb/s	In tested family
	WD2500JS		250	No	1.5 Gb/s	In tested family
	WD3000JD		300	No	3.0 Gb/s	In tested family
	WD3000JS		300	No	3.0 Gb/s	In tested family
	WD3200JD		320	No	3.0 Gb/s	In tested family
	WD3200JS		320	No	3.0 Gb/s	In tested family
Western Digital	Caviar SE 16					
	WD4000KD ^{3,6}	01.06A01	400	No	1.5 Gb/s	16 MB buffer, ROHS
	WD5000KS	07.02E07	500	Yes	3.0 Gb/s	16 MB buffer, ROHS

¹ Listed drive firmware must be used

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

³ RAID edition version of these drives are recommended for RAID applications.

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

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

⁶ See 3ware KB article 14905 regarding required manufacturing dates.

⁷ See 3ware KB article 14866 regarding required manufacturing dates.