

The drives listed below have been tested on the 9550SX/9590SE 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 work okay.

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 7K250 Family					
	HDS722580VLSA80 ^d	V320A63A	80	Yes ⁴	1.5 Gb/s	8 MB buffer
	HDS722512VLSA80	V330A60A	123.5	Yes	1.5 Gb/s	
	HDS722516VLSA80		160	Yes	1.5 Gb/s	
	HDS722525VLSA80	V360A60A	250	Yes	1.5 Gb/s	8 MB buffer
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 7K400 Family					
	HDS724040KLSA80 ^d	KFA0A32A	400	Yes ⁴	1.5 Gb/s	
	HDS724040KLAT80		400	Yes ⁴	1.5 Gb/s	In tested family
Hitachi	Deskstar 7K500 Family					
	HDS725050KLAT80		500	No	3.0 Gb/s	In tested family
	HDS725050KLA360 ^f	K2AOAB0A	500	Yes	3.0 Gb/s	
Maxtor	DiamondMax Plus 9					
	6Y060M0 ³		60	No	1.5 Gb/s	8 MB buffer
	6Y080M0 ³	YAR51HW0	80	No	1.5 Gb/s	8 MB buffer
	6Y120M0 ³	YAR51HW0	120	No	1.5 Gb/s	8 MB buffer
	6Y160M0 ³		160	No	1.5 Gb/s	In tested family
	6Y200M0 ³	YAR51HW0	200	No	1.5 Gb/s	8 MB buffer
	6Y250M0 ³	YAR51HW0	250	No	1.5 Gb/s	8 MB buffer
Maxtor	MaXLine Plus II					
	7Y250M0	YAR51HW0	250	No	1.5 Gb/s	8 MB buffer
Maxtor	DiamondMax 10					
	6B080M0		80	Yes	1.5 Gb/s	In tested family
	6B120M0		120	Yes	1.5 Gb/s	In tested family
	6B160M0		160	Yes	1.5 Gb/s	In tested family
	6B200M0		200	Yes	1.5 Gb/s	In tested family
	6B250S0		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 ⁴		250	Yes	1.5 Gb/s	In tested family
	7B250R0 ⁴		250	Yes	1.5 Gb/s	In tested family
	7B300R0 ⁴		300	Yes	1.5 Gb/s	In tested family
	7B300S0 ⁴	BANC17M0	300	Yes	1.5 Gb/s	16 MB buffer
Maxtor	DiamondMax 11					
	6H400F0 ³	01.06A01	400	Yes	3.0 Gb/s	16 MB buffer
	6H500F0 ³	01.06A01	500	Yes	3.0 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		80	Yes	3.0 Gb/s	In tested family
	SP0812C		80	No	1.5 Gb/s	In tested family
	HD120IJ		120	Yes	3.0 Gb/s	In tested family
	HD160JJ ²	WU100-33	160	Yes	3.0 Gb/s	8 MB buffer
	SP1614C		160	No	1.5 Gb/s	In tested family

	SP2004C ²	VM100-32	200	Yes	3.0 Gb/s	8 MB buffer
	SP2504C ²		250	Yes	3.0 Gb/s	In tested family
Seagate	Barracuda 7200.7 Family					
	ST3200822AS	3.01	200	No	1.5 Gb/s	8 MB buffer
Seagate	ST3160827AS	3.00	160	No	1.5 Gb/s	8 MB buffer
Seagate	ST3160023AS	3.03	160	No	1.5 Gb/s	8 MB buffer
	ST3160021AS		160		1.5 Gb/s	In tested family
	ST3120827AS		120		1.5 Gb/s	In tested family
	ST3120026AS		120		1.5 Gb/s	In tested family
	ST3120022AS		120		1.5 Gb/s	In tested family
	ST380013AS	3.18	80	No	1.5 Gb/s	8 MB buffer
	ST380013AS		80		1.5 Gb/s	In tested family
	ST380011AS	3.04	80	No	1.5 Gb/s	2 MB buffer
	ST340111AS		40		1.5 Gb/s	In tested family
	ST340014AS		40		1.5 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	16 MB buffer
	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	3.AAE	160	Yes	3.0 Gb/s	8 MB buffer
	ST3160212AS		160	Yes	3.0 Gb/s	In tested family
	ST3120813AS		120	Yes	3.0 Gb/s	In tested family
	ST3120213AS		120	Yes	3.0 Gb/s	In tested family
	ST3808110AS	3.AAD	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		500	Yes	3.0 Gb/s	In tested family
	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		320	Yes	3.0 Gb/s	In tested family
	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	Barracuda SATA V Family					
	ST3120023AS	3.01	120	No	1.5 Gb/s	8 MB buffer
	ST380023AS	3.01	80	No	1.5 Gb/s	8 MB buffer
	ST360015AS		60	No	1.5 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	8 MB buffer
	ST3400632NS	5.01	400	Yes	1.5 Gb/s	1.5 Gb/s (16 MB buffer)

	ST3250823NS	5.01	250	Yes	1.5 Gb/s	16 MB buffer
	ST3250623NS	5.01	250	Yes	1.5 Gb/s	16 MB buffer
	ST3250824NS	3.AEH	250	Yes	3.0 Gb/s	8 MB buffer
	ST3400633NS	3.AEH	400	Yes	3.0 Gb/s	
	ST3400833NS	3.AEH	400	Yes	3.0 Gb/s	
	ST3500641NS	2.AEA	500	Yes	3.0 Gb/s	16 MB buffer
Western Digital	Raptor					
	WD360GD	35.06K35	36	No	1.5 Gb/s	8 MB buffer, 10K RPM
	WD740GD	27.08D27	74	No	1.5 Gb/s	8 MB buffer, 10K RPM
	WD1500ADFD ⁷	19.06P19	150	Yes	1.5 Gb/s	16 MB buffer, 10K RPM
	WD1500AHFD ⁷		150	Yes	1.5 Gb/s	16 MB buffer, 10K RPM
Western Digital	WD RE2					
	WD4000YR ⁶	01.06A01	400	Yes	1.5 Gb/s	16 MB buffer
	WD5000YS-01MPB0	07.02E07	500	Yes	3.0 Gb/s	16 MB buffer
Western Digital	WD RE					
	WD3200YS		250	No	3.0 Gb/s	In tested family
	WD2500YD		250	No	3.0 Gb/s	In tested family
	WD1600YD	10.02E01	160	No	3.0 Gb/s	16 MB buffer, ROHS
	WD2500SD	08.02D08	250	No	1.5 Gb/s	8 MB buffer
	WD3200SD	08.05J08	320	No	1.5 Gb/s	8 MB buffer
	WD1600SD		160	No	1.5 Gb/s	In tested family
	WD1600YS		160	No	3.0 Gb/s	In tested family
	WD3200SB		320	No	1.5 Gb/s	In tested family
	WD2500SB		250	No	1.5 Gb/s	In tested family
	WD1600SB		160	No	1.5 Gb/s	In tested family
	WD2500YS	02.01C03	250	No	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	8 MB buffer
	WD1200JD ^{3,5}	02.05D02	120	No	1.5 Gb/s	8 MB buffer
	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	8 MB buffer
	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

2.5" Serial ATA (SATA) Drive List

Manufacturer	Model	Firmware	Capacity (GB)	Compatible	Comments
Fujitsu	MHR2020SA		20	Yes	
Fujitsu	MHT2040BH	104A	40	Yes	
Hitachi	HTS541010G9SA00	MBZ0C60D	100	Yes	
Hitachi	HTS541010G9SA00	MBZ0C60D	100	Yes	
Hitachi	HTS721010G9SA00	MCZ0C10H	100	Yes	
Toshiba	MK6032GSX	AS311G	60	Yes	
Western Digital	WD600BEVS	AS311G	60	Yes	

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.