



# 3ware 9550SX(U)/9590SE Drive Compatibility List

February 2010 ([http://www.3ware.com/products/sys\\_compatibility.asp](http://www.3ware.com/products/sys_compatibility.asp))

The drives listed below have been tested on the 9550SX(U)/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 <sup>4</sup>	V320A63A	80	Yes <sup>4</sup>	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 7K400 Family					
	HDS724040KLSA80 <sup>4</sup>	KFA0A32A	400	Yes <sup>4</sup>	1.5 Gb/s	
	HDS724040KLAT80		400	Yes <sup>4</sup>	1.5 Gb/s	In tested family
Hitachi	Deskstar 7K500 Family					
	HDS725050KLAT80		500	No	ATA/133	In tested family; PATA drive
	HDS725050KLA360 <sup>1</sup>	K2A0AB0A	500	Yes	3.0 Gb/s	
Hitachi	Deskstar 7K160					
	HDS721616PLA380		160	Yes	3.0 Gb/s	8 MB buffer
	HDS721680PLA380		80			8 MB buffer
Hitachi	Deskstar T7K500					
	HDT725050VLA380		500		3.0 Gb/s	In tested family
	HDT725040VLA380		400		3.0 Gb/s	In tested family
	HDT725032VLA380		320		3.0 Gb/s	In tested family
	HDT725025VLA380		250		3.0 Gb/s	In tested family
	HDT725050VLA360	V560A52A	500	Yes	3.0 Gb/s	16 MB buffer
	HDT725040VLA360	V5C0A52A	400	Yes	3.0 Gb/s	16 MB buffer
	HDT725032VLA360		320		3.0 Gb/s	In tested family
Hitachi	Deskstar 7K1000					
	HDS721075KLA330		750	Yes	3.0 Gb/s	32 MB buffer
	HDS721010KLA330	GKA0A51D	1000	Yes	3.0 Gb/s	32 MB buffer
	Hitachi	Deskstar A7K1000				
HUA721050KLA330			500	Yes	3.0 Gb/s	32 MB buffer
HUA721075KLA330		GK80A70M	750	Yes	3.0 Gb/s	32 MB buffer
HUA721010KLA330		GK80A70M	1000	Yes	3.0 Gb/s	32 MB buffer
Samsung	SpinPoint P Series					
	HD080HJ	ZH100-33	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	WU100-33	160	Yes	3.0 Gb/s	In tested family
	SP1614C		160	No	1.5 Gb/s	In tested family
	SP2004C	VM100-32	200	Yes	3.0 Gb/s	In tested family
	SP2504C <sup>2</sup>	VT100-50	250	Yes	3.0 Gb/s	8 MB buffer
Seagate	ST3500841NS		500	Yes	3.0 Gb/s	8 MB buffer
Seagate	Barracuda ES.2 Family					
	ST3250310NS		250	Yes	3.0 Gb/s	32 MB buffer
	ST3500320NS	SN04	500	Yes	3.0 Gb/s	32 MB buffer
	ST3750330NS		750	Yes	3.0 Gb/s	32 MB buffer
	ST31000340NS	SN03	1000	Yes	3.0 Gb/s	32 MB buffer
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		250	Yes	3.0 Gb/s	In tested family
	ST3400633NS		400	Yes	3.0 Gb/s	In tested family



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	ST3400833NS		400	Yes	3.0 Gb/s	In tested family
	ST3500641NS	2.AEA	500	Yes	3.0 Gb/s	16 MB buffer
Seagate	Barracuda ES					
	ST3750640NS	3.AED	750	Yes	3.0 Gb/s	16 MB buffer
	ST3500630NS		500	Yes	3.0 Gb/s	In tested family
	ST3400620NS		400	Yes	3.0 Gb/s	In tested family
	ST3320620NS		320	Yes	3.0 Gb/s	In tested family
	ST3250820NS	3.AEE	250	Yes	3.0 Gb/s	8 MB buf/7200 RPM
	ST3250620NS		250	Yes	3.0 Gb/s	In tested family
Western Digital	Raptor					
	WD360GD	35.06K35	36	No	1.5 Gb/s	In tested family
	WD740GD	27.08D27	74	No	1.5 Gb/s	8 MB buffer, 10K RPM
	WD360ADFD		36	No	1.5 Gb/s	In tested family
	WD740ADFD		74	No	1.5 Gb/s	8 MB buffer, 10K RPM
	WD1500ADFD		150	Yes	1.5 Gb/s	In tested family
	WD1500AHFD		150	Yes	1.5 Gb/s	In tested family
Western Digital	WD VelociRaptor					
	WD1500BLFS		150	Yes	3.0 Gb/s	In tested family
	WD3000BLFS	04.04V01	300	Yes	3.0 Gb/s	2.5", 10K RPM
Western Digital	WD VelociRaptor					
	WD1500HLFS		150	Yes	3.0 Gb/s	In tested family
	WD3000HLFS	04.04V01	300	Yes	3.0 Gb/s	3.5", 10K RPM
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		160	No	3.0 Gb/s	In tested family
	WD2500SD	08.02D08	250	No	1.5 Gb/s	8 MB buffer
	WD3200SD		320	No	1.5 Gb/s	In tested family
	WD1600SD		160	No	1.5 Gb/s	In tested family
	WD1600YS		160	Yes	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		250	Yes	3.0 Gb/s	In tested family
Western Digital	WD RE2-GP					
	WD5000ABPS	02.01B01	500	Yes	3.0 Gb/s	16 MB buffer
	WD7500AYPS		750	Yes	3.0 Gb/s	In tested family
	WD1000FYPS	02.01B01	1000	Yes	3.0 Gb/s	16 MB buffer
Western Digital	WD RE2					
	WD4000YS		400	Yes	3.0 Gb/s	In tested family
	WD4000ABYS		400	Yes	3.0 Gb/s	In tested family
	WD5000ABYS		500	Yes	3.0 Gb/s	In tested family
	WD7500AYYS	30.04G30	750	Yes	3.0 Gb/s	16 MB buffer
	WD4000YR <sup>6</sup>	01.06A01	400	Yes	1.5 Gb/s	16 MB buffer
	WD5000YS	07.02E07	500	Yes	3.0 Gb/s	16 MB buffer
Western Digital	WD RE3					
	WD2502ABYS	02.03B02	250	Yes	3.0 Gb/s	16 MB buffer
	WD3202ABYS	02.03B02	320	Yes	3.0 Gb/s	16 MB buffer
	WD5002ABYS		500	Yes	3.0 Gb/s	In tested family
	WD7502ABYS		750	Yes	3.0 Gb/s	In tested family
	WD1002FBYS		1000	Yes	3.0 Gb/s	In tested family
Western Digital						
	WD5001ABYS	58.01D01	500	No	3.0 Gb/s	16 MB buffer
Western Digital	Caviar SE 16					
	WD4000KD <sup>3,6</sup>	01.06A01	400	No	1.5 Gb/s	16 MB buffer, ROHS
	WD5000KS	07.02E07	500	Yes	3.0 Gb/s	In tested family

<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 9550SX User's Guide details how to disable NCQ.

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