



3ware 9650SE Drive Compatibility List

February 2010 (http://www.3ware.com/support/sys_compatibility.asp)

The drives listed below have been tested on the 3ware 9650SE series controllers for data integrity, interoperability and compatibility. Any special conditions or problem are noted below. 3ware 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.

Manufacturer	Model / Family	Firmware	Capacity (GB)	NCQ	SATA Link Speed	Other Information (drives are 7200RPM unless stated otherwise)
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	Ultrastar A7K1000					
	HUA721050KLA330	GK60AB0A	500	Yes	3.0 Gb/s	32 MB buffer
	HUA721075KLA330	GK80A70M	750	Yes	3.0 Gb/s	32 MB buffer
	HUA721010KLA330	GKA0A70M	1000	Yes	3.0 Gb/s	32 MB buffer
Hitachi	Ultrastar A7K2000					
	HUA722050CLA330		500	Yes	3.0 Gb/s	In tested family
	HUA722010CLA330	JP40A39C	1000	Yes	3.0 Gb/s	32 MB buffer
	HUA722020ALA330		2000	Yes	3.0 Gb/s	In tested family
	HUA722050CLA331		500	Yes	3.0 Gb/s	In tested family
	HUA722010CLA331		1000	Yes	3.0 Gb/s	In tested family
	HUA722020ALA331		2000	Yes	3.0 Gb/s	In tested family
Hitachi	Deskstar 7K160					
	HDS721680PLA380		80			8 MB buffer
	HDS721616PLA380		160	Yes	3.0 Gb/s	8 MB buffer
Hitachi	Deskstar 7K500					
	HDS725050KLA360	K2AOAB0A	500	Yes	3.0 Gb/s	
Hitachi	Deskstar P7K500					
	HDP725025GLA380		250	Yes	3.0 Gb/s	In tested family
	HDP725032GLA360		320	Yes	3.0 Gb/s	In tested family
	HDP725032GLA380		320	Yes	3.0 Gb/s	In tested family
	HDP725040GLA360		400	Yes	3.0 Gb/s	In tested family
	HDP725040GLA380		400	Yes	3.0 Gb/s	In tested family
	HDP725050GLA360	GM40A52A	500	Yes	3.0 Gb/s	16 MB buffer
	HDP725050GLA380		500	Yes	3.0 Gb/s	In tested family
Hitachi	Deskstar T7K500					
	HDT725025VLA360		250		3.0 Gb/s	In tested family
	HDT725025VLA380		250		3.0 Gb/s	In tested family
	HDT725032VLA360		320		3.0 Gb/s	In tested family
	HDT725032VLA380		320		3.0 Gb/s	In tested family
	HDT725040VLA360	V5C0A52A	400	Yes	3.0 Gb/s	
	HDT725040VLA380		400		3.0 Gb/s	In tested family
	HDT725050VLA360	V560A52A	500	Yes	3.0 Gb/s	16 MB buffer
	HDT725050VLA380		500		3.0 Gb/s	In tested family
HDS728080PLA380	PF20A60A	80	Yes	3.0 Gb/s	8 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	WU100-34	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 ²	VT100-50	250	Yes	3.0 Gb/s	Disable NCQ	
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
Seagate	Barracuda ES Family					
	ST3250620NS		250	Yes	3.0 Gb/s	In tested family



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	ST3250820NS	3.AEE	250	Yes	3.0 Gb/s	16 MB buffer
	ST3320620NS		320	Yes	3.0 Gb/s	In tested family
	ST3400620NS		400	Yes	3.0 Gb/s	In tested family
	ST3500630NS	3.AAD	500	Yes	3.0 Gb/s	16 MB buffer
	ST3750640NS	3.AEE	750	Yes	3.0 Gb/s	16 MB buffer
Seagate	Barracuda ES.2 ¹					
	ST31000340NS	SN06	250	Yes	3.0 Gb/s	32 MB buffer
	ST3750330NS		500	Yes	3.0 Gb/s	32 MB buffer
	ST3500320NS	SN06	750	Yes	3.0 Gb/s	32 MB buffer
	ST3250310NS	SN06	1000	Yes	3.0 Gb/s	32 MB buffer
Seagate	NL35 Series					
	ST3400832NS	5.01	400	Yes	1.5 Gb/s	16 MB buffer
	ST3250823NS	5.01	250	Yes	1.5 Gb/s	In tested family
	ST3250623NS	5.01	250	Yes	1.5 Gb/s	16 MB buffer
	ST3400632NS	5.01	400	Yes	1.5 Gb/s	16 MB buffer
Seagate	NL35.2 Series					
	ST3500641NS	3.AEC	500	Yes	3.0 Gb/s	16 MB buffer
Seagate	SV35.3 Series					
	ST3250310SV		250	Yes	3.0 Gb/s	In tested family
	ST3500320SV		500	Yes	3.0 Gb/s	In tested family
	ST3750330SV		750	Yes	3.0 Gb/s	In tested family
	ST31000340SV	SV16	1000	Yes	3.0 Gb/s	
Seagate	Constellation					
	ST32000644NS	AN11	2000	Yes	3.0 Gb/s	
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	19.06P19	150	Yes	1.5 Gb/s	In tested family
	WD1500AHFD	20.07P20	150	Yes	1.5 Gb/s	In tested family
Western Digital	WD RE2					
	WD4000YR ⁶	01.06A01	400	Yes	1.5 Gb/s	16 MB buffer
Western Digital	WD RE2					
	WD1601ABYS	06.06H05	160	Yes	3.0 Gb/s	In tested family
	WD4000YS		400	Yes	3.0 Gb/s	In tested family
	WD3201ABYS		320	Yes	3.0 Gb/s	In tested family
	WD4000ABYS		400	Yes	3.0 Gb/s	In tested family
	WD4001ABYS		400	Yes	3.0 Gb/s	In tested family
	WD5000YS	07.02E07	500	Yes	3.0 Gb/s	16 MB buffer
	WD5000ABYS	12.01C01	500	Yes	3.0 Gb/s	16 MB buffer
	WD5001ABYS	58.01D01	500	Yes	3.0 Gb/s	16 MB buffer
	WD7500AYYS	30.04G30	750	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	02.03B02	500	Yes	3.0 Gb/s	16 or 32 MB
	WD7502ABYS		750	Yes	3.0 Gb/s	In tested family
	WD1002FBYS ⁷	03.00C05	1000	Yes	3.0 Gb/s	16 MB buffer
Western Digital	WD RE4					
	WD1503FYYS		1500	Yes	3.0 Gb/s	In tested family
	WD2003FYYS	01.00D02	2000	Yes	3.0 Gb/s	64 MB buffer
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	In tested family
Western Digital	WD RE2-GP					
	WD5000ABPS	02.01B01	500	Yes	3.0 Gb/s	
	WD7500AYPS		750	Yes	3.0 Gb/s	In tested family
	WD1000FYPS	02.01B01	1000	Yes	3.0 Gb/s	
Western Digital	Velociraptor					



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	WD1500BLFS		150	Yes	3.0 Gb/s	In tested family
	WD3000BLFS	04.04V01	300	Yes	3.0 Gb/s	16 MB/10K RPM
	WD1500HLFS		150	Yes	3.0 Gb/s	In tested family
	WD3000HLFS	04.04V01	300	Yes	3.0 Gb/s	16 MB/10K RPM
	WD3000GLFS		300	Yes	3.0 Gb/s	In tested family
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	02.03B02	500	Yes	3.0 Gb/s	16 MB buffer
Western Digital	WD RE4-GP					
	WD2002FYPS	04.05G04	2000	Yes	3.0 Gb/s	64 MB buffer

Listed drive firmware must be used to ensure compatibility as tested

¹ See 3ware KB article 15501 <http://www.3ware.com/kb/article.aspx?id=15501> regarding drive firmware

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 Controller firmware 4.06.00.006 or newer required

Supported SATA SSD (Solid-state Drive) List

Manufacturer	Model / Family	Firmware	Capacity (GB)	NCQ	SATA Link Speed	Other Information
Intel	X25-E SATA SSD					
	SSDSA2SH032G1	045C8625	32	Yes	3.0 Gb/s	
	SSDSA2SH064G1		64	Yes	3.0 Gb/s	In tested family