



N2200 HDD Compatibility List

Enterprise:	(note 2)
Environment:	Business critical
Availability:	24/7
Reliability:	High

Hitachi

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
Travelstar 5K1000 EA	HTE541010A9E680	SATA 6.0Gb/s	1000	5400	8	3.00.16	2.5"	OK 2013/01/30
Travelstar 5K1000 EA	HTE541075A9E680	SATA 6.0Gb/s	750	5400	8	3.00.16	2.5"	OK 2013/01/30
Travelstar 5K1000 EA	HTE541064A9E680	SATA 6.0Gb/s	640	5400	8	3.00.16	2.5"	OK 2013/01/30

Seagate

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
Constellation ES.2	ST32000645NS	SATA 6.0Gb/s	2000	7200	64	3.00.16	3.5"	OK 2012/11/20
Constellation ES	ST2000NM0011	SATA 6.0Gb/s	2000	7200	64	3.00.13	3.5"	OK 2011/09/13
Constellation ES	ST1000NM0011	SATA 6.0Gb/s	1000	7200	64	3.00.13	3.5"	OK 2011/09/13
Constellation ES	ST500NM0011	SATA 6.0Gb/s	500	7200	64	3.00.13	3.5"	OK 2011/09/13
Barracuda® ES.2	ST31000340NS	SATA 3.0Gb/s	1000	7200	32	3.00.06	3.5"	OK 2009/10/20
Barracuda® ES.2	ST3750330NS	SATA 3.0Gb/s	750	7200	32	3.00.06	3.5"	OK 2009/10/20
Barracuda® ES.2	ST3500320NS	SATA 3.0Gb/s	500	7200	32	3.00.06	3.5"	OK 2009/10/20
Barracuda® ES.2	ST3250310NS	SATA 3.0Gb/s	250	7200	32	3.00.06	3.5"	OK 2009/10/20

Toshiba

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
MKx002TSKB	MK2002TSKB	SATA 3.0Gb/s	2000	7200	64	3.00.13	3.5"	OK 2012/02/24
MKx002TSKB	MK1002TSKB	SATA 3.0Gb/s	1000	7200	64	3.00.13	3.5"	OK 2012/02/24

Western Digital

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
WD RE4	WD5003ABYX	SATA 3.0Gb/s	500	7200	64	-	3.5"	OK 2010/06/15
WD RE4-GP	WD2002FYPS	SATA 3.0Gb/s	2000	IntelliPower™	64	3.00.06	3.5"	OK 2009/10/20



N2200 HDD Compatibility List

Consumer:	(note 2)
Environment:	Small office / Home
Availability:	8 Hours / day
Reliability:	Moderate

Hitachi									
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *	
Deskstar 5K3000	HDS5C3020ALA632	SATA 6.0Gb/s	2000	CoolSpin	32	3.00.12	3.5"	OK 2011/05/16	
Deskstar 5K3000	HDS5C3015ALA632	SATA 6.0Gb/s	1500	CoolSpin	32	3.00.12	3.5"	OK 2011/05/16	
Deskstar 5K1000	HDS5C1010CLA382	SATA 3.0Gb/s	1000	CoolSpin	8	-	3.5"	OK 2010/11/08	
Deskstar 5K1000	HDS5C1050CLA382	SATA 3.0Gb/s	500	CoolSpin	8	-	3.5"	OK 2010/11/08	
Deskstar 7K3000	HDS723020BLA642	SATA 6.0Gb/s	2000	7200	64	3.00.13	3.5"	OK 2011/05/16	
Deskstar 7K3000	HDS723015BLA642	SATA 6.0Gb/s	1500	7200	64	3.00.13	3.5"	OK 2011/05/16	
Deskstar 7K2000	HDS722020ALA330	SATA 3.0 Gb/s	2000	7200	32	-	3.5"	OK 2009/10/20	
Deskstar 7K1000.D	HDS721010DLE630	SATA 6.0Gb/s	1000	7200	32	3.00.13	3.5"	OK 2012/02/24	
Deskstar 7K1000.D	HDS721075DLE630	SATA 6.0Gb/s	750	7200	32	3.00.13	3.5"	OK 2012/02/24	
Deskstar 7K1000.D	HDS721050DLE630	SATA 6.0Gb/s	500	7200	32	3.00.13	3.5"	OK 2012/02/24	
Deskstar 7K1000.D	HDS721032DLE630	SATA 6.0Gb/s	320	7200	32	3.00.13	3.5"	OK 2012/02/24	
Deskstar 7K1000.D	HDS721025DLE630	SATA 6.0Gb/s	250	7200	32	3.00.13	3.5"	OK 2012/02/24	
Deskstar 7K1000.C	HDS721010CLA632	SATA 6.0Gb/s	1000	7200	32	3.00.13	3.5"	OK 2011/11/02	
Deskstar 7K1000.C	HDS721075CLA632	SATA 6.0Gb/s	750	7200	32	3.00.13	3.5"	OK 2011/11/02	
Deskstar 7K1000.C	HDS721064CLA632	SATA 6.0Gb/s	640	7200	32	3.00.13	3.5"	OK 2011/11/02	
Deskstar 7K1000.C	HDS721050CLA662	SATA 6.0Gb/s	500	7200	16	3.00.13	3.5"	OK 2011/11/02	
Deskstar 7K1000.C	HDS721032CLA662	SATA 6.0Gb/s	320	7200	16	3.00.13	3.5"	OK 2011/11/02	
Deskstar 7K1000.C	HDS721025CLA682	SATA 6.0Gb/s	250	7200	8	3.00.13	3.5"	OK 2011/11/02	
Deskstar 7K1000.C	HDS721016CLA682	SATA 6.0Gb/s	160	7200	8	3.00.13	3.5"	OK 2011/11/02	
Deskstar 7K1000.C	HDS721010CLA332	SATA 3.0 Gb/s	1000	7200	32	3.00.13	3.5"	OK 2011/07/13	
Deskstar 7K1000.B	HDT721010SLA360	SATA 3.0 Gb/s	1000	7200	16	3.00.06	3.5"	OK 2009/10/20	
Deskstar 7K1000.B	HDT721075SLA360	SATA 3.0 Gb/s	750	7200	16	3.00.06	3.5"	OK 2009/10/20	
Deskstar 7K1000.B	HDT721064SLA360	SATA 3.0 Gb/s	640	7200	16	3.00.06	3.5"	OK 2009/10/20	
Deskstar 7K1000.B	HDT721050SLA360	SATA 3.0 Gb/s	500	7200	16	3.00.06	3.5"	OK 2009/10/20	
Deskstar 7K1000.B	HDT721032SLA360	SATA 3.0 Gb/s	320	7200	16	3.00.06	3.5"	OK 2009/10/20	
Deskstar 7K1000.B	HDT721025SLA380	SATA 3.0 Gb/s	250	7200	8	3.00.06	3.5"	OK 2009/10/20	
Deskstar 7K1000.B	HDT721016SLA380	SATA 3.0 Gb/s	160	7200	8	3.00.06	3.5"	OK 2009/10/20	
Travelstar Z5K500	HTS545050A7E380	SATA 3.0Gb/s	500	5400	8	3.00.13	2.5"	OK 2011/07/13	
Travelstar Z5K500	HTS545032A7E380	SATA 3.0Gb/s	320	5400	8	3.00.13	2.5"	OK 2011/07/13	
Travelstar Z5K500	HTS545025A7E380	SATA 3.0Gb/s	250	5400	8	3.00.13	2.5"	OK 2011/07/13	
Travelstar 5K1000	HTS541010A9E680	SATA 6.0Gb/s	1000	5400	8	3.00.16	2.5"	OK 2013/01/30	
Travelstar 5K1000	HTS541075A9E680	SATA 6.0Gb/s	750	5400	8	3.00.16	2.5"	OK 2013/01/30	
Travelstar 5K1000	HTS541064A9E680	SATA 6.0Gb/s	640	5400	8	3.00.16	2.5"	OK 2013/01/30	



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Seagate									
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *	
Barracuda Green	ST2000DL003	SATA 6.0Gb/s	2000	5900	64	3.00.13	3.5"	OK 2011/07/11	
Barracuda Green	ST1500DL003	SATA 6.0Gb/s	1500	5900	64	3.00.13	3.5"	OK 2011/07/11	
Barracuda	ST2000DM001	SATA 6.0Gb/s	2000	7200	64	3.00.13	3.5"	OK 2012/02/24	
Barracuda	ST1500DM003	SATA 6.0Gb/s	1500	7200	64	3.00.13	3.5"	OK 2012/02/24	
Barracuda	ST1000DM003	SATA 6.0Gb/s	1000	7200	64	3.00.13	3.5"	OK 2012/02/24	
Barracuda	ST750DM003	SATA 6.0Gb/s	750	7200	64	3.00.13	3.5"	OK 2012/02/24	
Barracuda	ST500DM002	SATA 6.0Gb/s	500	7200	16	3.00.13	3.5"	OK 2011/10/27	
Barracuda	ST320DM000	SATA 6.0Gb/s	320	7200	16	3.00.13	3.5"	OK 2011/10/27	
Barracuda	ST250DM000	SATA 6.0Gb/s	250	7200	16	3.00.13	3.5"	OK 2011/10/27	
Barracuda 7200.12	ST31000524AS	SATA 6.0Gb/s	1000	7200	32	3.00.12	3.5"	OK 2011/04/19	
Barracuda 7200.12	ST3500413AS	SATA 6.0Gb/s	500	7200	16	3.00.12	3.5"	OK 2011/04/19	
Barracuda 7200.12	ST31000528AS	SATA 3.0Gb/s	1000	7200	32	3.00.06	3.5"	OK 2009/10/20	
Barracuda 7200.12	ST3750528AS	SATA 3.0Gb/s	750	7200	32	3.00.06	3.5"	OK 2009/10/20	
Barracuda 7200.12	ST3500418AS	SATA 3.0Gb/s	500	7200	16	3.00.06	3.5"	OK 2009/10/20	
Barracuda 7200.12	ST3320418AS	SATA 3.0Gb/s	320	7200	16	3.00.06	3.5"	OK 2009/10/20	
Barracuda 7200.12	ST3250318AS	SATA 3.0Gb/s	250	7200	8	3.00.06	3.5"	OK 2009/10/20	
Barracuda 7200.12	ST3160318AS	SATA 3.0Gb/s	160	7200	8	3.00.06	3.5"	OK 2009/10/20	
Barracuda 7200.11	ST31500341AS	SATA 3.0Gb/s	1500	7200	32	3.00.06	3.5"	OK 2009/10/20	
Pipeline	ST1000VM002	SATA 6.0Gb/s	1000	5900	64	3.00.06	3.5"	* OK 2013/07/05	
Pipeline	ST2000VM003	SATA 6.0Gb/s	2000	5900	64	3.00.06	3.5"	* OK 2013/07/05	

Samsung									
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *	
EcoGreen F2	HD103SI	SATA 3.0Gb/s	1000	5400	32	-	3.5"	OK 2010/11/08	
Spinpoint F4	HD204UI	SATA 3.0Gb/s	2000	5400	32	3.00.13	3.5"	OK 2011/07/25	
Spinpoint F1	HD103UJ	SATA 3.0Gb/s	1000	7200	32	-	3.5"	OK 2010/02/02	
Spinpoint F3	HD502HJ	SATA 3.0Gb/s	500	7200	16	-	3.5"	OK 2010/02/02	
SATA 640GB	MK6459GSX	SATA 3.0Gb/s	640	5400	8	-	2.5"	OK 2010/06/15	



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Western Digital								
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
WD Caviar Black	WD2002FAEX	SATA 6.0Gb/s	2000	7200	64	3.00.13	3.5"	OK 2012/03/29(*6)
WD Caviar Black	WD1502FAEX	SATA 6.0Gb/s	1500	7200	64	3.00.13	3.5"	OK 2012/03/29(*6)
WD Caviar Black	WD1002FAEX	SATA 6.0Gb/s	1000	7200	64	3.00.13	3.5"	OK 2012/03/29(*6)
WD Caviar Blue	WD10EALX	SATA 6.0Gb/s	1000	7200	32	-	3.5"	OK 2010/12/08 (*6)
WD Caviar Blue	WD7500AALX	SATA 6.0Gb/s	750	7200	32	3.00.12	3.5"	OK 2011/05/02 (*6)
WD Caviar Blue	WD5000AAKX	SATA 6.0Gb/s	500	7200	16	3.00.12	3.5"	OK 2011/05/02 (*6)
WD Caviar Blue	WD10EALS	SATA 3.0Gb/s	1000	7200	32	-	3.5"	OK 2010/09/02 (*6)
WD Caviar Blue	WD7500AAKS	SATA 3.0Gb/s	750	7200	16	3.00.06	3.5"	OK 2009/10/20 (*6)
WD Caviar Blue	WD6400AAKS	SATA 3.0Gb/s	640	7200	16	3.00.06	3.5"	OK 2009/10/20 (*6)
WD Caviar Blue	WD5000AAKS	SATA 3.0Gb/s	500	7200	16	3.00.06	3.5"	OK 2009/10/20 (*6)
WD Caviar Blue	WD4000AAKS	SATA 3.0Gb/s	400	7200	16	3.00.06	3.5"	OK 2009/10/20 (*6)
WD Caviar Blue	WD3200AAKS	SATA 3.0Gb/s	320	7200	16	3.00.06	3.5"	OK 2009/10/20 (*6)
WD Caviar Blue	WD2500AAKS	SATA 3.0Gb/s	250	7200	16	3.00.06	3.5"	OK 2009/10/20 (*6)
WD Caviar Green	WD20EARS	SATA 3.0Gb/s	2000	IntelliPower™	64	3.00.12	3.5"	OK 2010/12/08 (*6)
WD Caviar Green	WD15EARS	SATA 3.0Gb/s	1500	IntelliPower™	64	3.00.12	3.5"	OK 2010/12/08 (*6)
WD Caviar Green	WD10EARS	SATA 3.0Gb/s	1000	IntelliPower™	64	3.00.12	3.5"	OK 2010/12/08 (*6)
WD Caviar Green	WD20EADS	SATA 3.0Gb/s	2000	IntelliPower™	32	3.00.06	3.5"	OK 2009/10/20 (*6)
WD Caviar Green	WD15EADS	SATA 3.0Gb/s	1500	IntelliPower™	32	3.00.06	3.5"	OK 2009/10/20 (*6)
WD Caviar Green	WD10EADS	SATA 3.0Gb/s	1000	IntelliPower™	32	3.00.06	3.5"	OK 2009/10/20 (*6)
WD Caviar Green	WD7500AACS	SATA 3.0 Gb/s	750	IntelliPower™	16	3.00.06	3.5"	OK 2009/10/20 (*6)
WD Caviar Green	WD6400AACS	SATA 3.0 Gb/s	640	IntelliPower™	16	3.00.06	3.5"	OK 2009/10/20 (*6)
WD Caviar Green	WD5000AACS	SATA 3.0 Gb/s	500	IntelliPower™	16	3.00.06	3.5"	OK 2009/10/20 (*6)

■ Red item means that should upgrade to v3.00.12, then re-creaete RAID to support 4K format



N2200 HDD Compatibility List

Not recommended	
Environment:	Not recommended for RAID environment
Availability:	Not recommended for RAID environment
Reliability:	Not recommended for RAID environment

Western Digital									
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *	
Caviar Black	WD6402AAEX	SATA 6.0Gb/s	640	7200	64	-	3.5"	Not recommend (*7)	
Caviar Black	WD2001FASS	SATA 3.0Gb/s	2000	7200	64	-	3.5"	Not recommend (*7)	
AV-GP	WD20EVDS	SATA 3.0Gb/s	2000	IntelliPower	32	-	3.5"	Not recommend (*7)	



N2200 HDD Compatibility List

Notes:

1. It's recommended to have the newest available firmware installed on the NAS.
2. For business critical environments, we HIGHLY RECOMMEND using enterprise HDD'S:
 - Enterprise versus Desktop HDD's (Intel)
ftp://download.intel.com/support/motherboards/server/sb/enterprise_class_versus_desktop_class_hard_drives_.pdf
 - Western Digital TLER
<http://www.wdc.com/en/library/other/2579-001098.pdf>
 - Samsung CCTL
http://www.samsung.com/global/business/hdd/learningresource/whitepapers/LearningResource_CCTL.html
 - Seagate ERC
<http://seagate.custkb.com/seagate/crm/selfservice/search.jsp?DocId=203991&NewLang=en>
3. The listed HDD's have all been tested in room temperature environments.
4. Please keep the NAS in an airconditioned environment.
5. Thecus does NOT guarantee any RAID data safety and the NAS storage administrator should back up important data regularly.
6. **The hard disks have passed Thecus lab's initial verification of compatibility.**
However, WD has suggested not to use the desktop consumer hard disk drives in business-critical RAID environments because the drives may not work correctly.
Please refer to http://wdc.custhelp.com/app/answers/detail/a_id/1397
7. WD has suggested not to use the desktop consumer hard disk drives in business-critical RAID environments because the drives may not work correctly.
Please refer to http://wdc.custhelp.com/app/answers/detail/a_id/1397