



NVR46/NVR55/NVR77/NVR88

1U4600/N0503/N5500/N7700Plus/N7700PRO/N8800Plus/N8800PRO

HDD Compatibility List

Hitachi

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	Recently Updated *
Ultrastar A7K1000	HUA721010KLA330	SATA 3.0Gb/s	1000	7200	32	OK 2010/11/01
Ultrastar A7K1000	HUA721075KLA330	SATA 3.0Gb/s	750	7200	32	OK 2010/11/01
Ultrastar A7K1000	HUA721050KLA330	SATA 3.0Gb/s	500	7200	32	OK 2010/11/01
Deskstar 7K2000	HDS722020ALA330	SATA 3.0Gb/s	2000	7200	32	OK 2009/11/23
Deskstar E7K1000	HDE721010SLA330	SATA 3.0Gb/s	1000	7200	32	OK 2009/11/23
Deskstar E7K1000	HDE721075SLA330	SATA 3.0Gb/s	750	7200	32	OK 2009/11/23
Deskstar E7K1000	HDE721050SLA330	SATA 3.0Gb/s	500	7200	32	OK 2009/11/23
Deskstar 7K1000.B	HDT721010SLA360	SATA 3.0Gb/s	1000	7200	16	OK 2009/11/23
Deskstar 7K1000.B	HDT721075SLA360	SATA 3.0Gb/s	750	7200	16	OK 2009/11/23
Deskstar 7K1000.B	HDT721064SLA360	SATA 3.0Gb/s	640	7200	16	OK 2009/11/23
Deskstar 7K1000.B	HDT721050SLA360	SATA 3.0Gb/s	500	7200	16	OK 2009/11/23
Deskstar 7K1000.B	HDT721032SLA360	SATA 3.0Gb/s	320	7200	16	OK 2009/11/23
Deskstar 7K1000.B	HDT721025SLA380	SATA 3.0Gb/s	250	7200	8	OK 2009/11/23
Deskstar 7K1000.B	HDT721016SLA380	SATA 3.0Gb/s	160	7200	8	OK 2009/11/23
Deskstar 7K1000.C	HDS721010CLA332	SATA 3.0Gb/s	1000	7200	32	OK 2010/02/12
Deskstar 7K1000.C	HDS721075CLA332	SATA 3.0Gb/s	750	7200	32	OK 2010/02/12
Deskstar 7K1000.C	HDS721064CLA332	SATA 3.0Gb/s	640	7200	32	OK 2010/02/12
Deskstar 7K1000.C	HDS721050CLA362	SATA 3.0Gb/s	500	7200	16	OK 2010/02/12
Deskstar 7K1000.C	HDS721032CLA362	SATA 3.0Gb/s	320	7200	16	OK 2010/02/12
Deskstar 7K1000.C	HDS721025CLA382	SATA 3.0Gb/s	250	7200	8	OK 2010/02/12
Deskstar 7K1000.C	HDS721016CLA382	SATA 3.0Gb/s	160	7200	8	OK 2010/02/12
Deskstar 5K1000	HDS5C1010CLA382	SATA 3.0Gb/s	1000	CoolSpin	8	OK 2010/11/01
Deskstar 5K1000	HDS5C1050CLA382	SATA 3.0Gb/s	500	CoolSpin	8	OK 2010/11/01

* Recommended Firmware version: 3.05.02.2 or newer

Seagate

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	Recently Updated *
Constellation™ ES	ST32000644NS	SATA 3.0Gb/s	2000	7200	64	OK 2010/04/06
Constellation™ ES	ST31000524NS	SATA 3.0Gb/s	1000	7200	32	OK 2010/04/06
Constellation™ ES	ST3500514NS	SATA 3.0Gb/s	500	7200	32	OK 2010/04/06
Barracuda XT	ST32000641AS	SATA 6.0Gb/s	2000	7200	64	OK 2010/03/11
Barracuda LP	ST32000542AS	SATA 3.0Gb/s	2000	5900	32	OK 2010/03/11
Barracuda LP	ST31500541AS	SATA 3.0Gb/s	1500	5900	32	OK 2010/03/11
Barracuda LP	ST31000520AS	SATA 3.0Gb/s	1000	5900	32	OK 2010/03/11
Barracuda 7200.12	ST31000528AS	SATA 3.0Gb/s	1000	7200	32	OK 2009/11/23
Barracuda 7200.12	ST3750528AS	SATA 3.0Gb/s	750	7200	32	OK 2009/11/23
Barracuda 7200.12	ST3500418AS	SATA 3.0Gb/s	500	7200	16	OK 2009/11/23
Barracuda 7200.12	ST3500410AS	SATA 3.0Gb/s	500	7200	16	OK 2009/11/23
Barracuda 7200.12	ST3320418AS	SATA 3.0Gb/s	320	7200	16	OK 2009/11/23
Barracuda 7200.12	ST3250318AS	SATA 3.0Gb/s	250	7200	8	OK 2009/11/23
Barracuda 7200.12	ST3160318AS	SATA 3.0Gb/s	160	7200	8	OK 2009/11/23
Barracuda 7200.11	ST31500341AS	SATA 3.0Gb/s	1500	7200	32	OK 2009/11/23
Barracuda® ES.2	ST31000340NS	SATA 3.0Gb/s	1000	7200	32	OK 2009/11/23
Barracuda® ES.2	ST3750330NS	SATA 3.0Gb/s	750	7200	32	OK 2009/11/23
Barracuda® ES.2	ST3500320NS	SATA 3.0Gb/s	500	7200	32	OK 2009/11/23
Barracuda® ES.2	ST3250310NS	SATA 3.0Gb/s	250	7200	32	OK 2009/11/23

* Recommended Firmware version: 3.05.02.2 or newer

[Notes for Seagate 1.5 TB HDD]

- Some users said Seagate had new firmware for 1.5 TB drives. So Thecus recommends contacting Seagate if you plan to use Seagate 1.5 TB drives in Thecus NAS. Also, please back up RAID data regularly, no matter the HDD is in Thecus compatibility list or not.

Users' feedback:

Seagate P/N: 9JU138-300, 9JU138-336 with SD15, SD16, and SD17 ==> SD1A or newer

Seagate P/N: 9JU138-301 with CC1G ==> CC1H or newer

- There is an 8 TB limitation for EXT3 file system. It means, if more than five 1.5 TB HDD installed in N7700/N8800, you may have to create two RAID volumes. And both are smaller than 8 TB in capacity.



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HDD Compatibility List

Samsung

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	Recently Updated *
SpinPoint F DT series	HD103UJ	SATA 3.0Gb/s	1000	7200	32	OK 2009/11/23
EcoGreen F2	HD103SI	SATA 3.0Gb/s	1000	5400	32	OK 2010/08/23
EcoGreen F3	HD203WI	SATA 3.0Gb/s	2000	5400	32	OK 2010/08/23

* Recommended Firmware version: 3.05.02.2 or newer

Toshiba

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	Recently Updated *
SATA 640GB	MK6459GSX	SATA 3.0Gb/s	640	5400	8	OK 2010/05/04

■ Blue item means 2.5" HDD

* Recommended Firmware version: 3.05.02.2 or newer

Western Digital

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	Recently Updated *
WD Raptor	WD360ADFD	SATA 1.5Gb/s	36	10000	16	OK 2009/11/23
WD Caviar Blue	WD10EALX	SATA 6.0Gb/s	1000	7200	32	* OK 2010/12/07
WD Caviar Blue	WD10EALS	SATA 3.0Gb/s	1000	7200	32	OK 2010/09/02
WD Caviar Blue	WD6400AAKS	SATA 3.0Gb/s	640	7200	16	OK 2009/11/23
WD Caviar Blue	WD5000AAKS	SATA 3.0Gb/s	500	7200	16	OK 2009/11/23
WD Caviar Blue	WD4000AAKS	SATA 3.0Gb/s	400	7200	16	OK 2009/11/23
WD Caviar Blue	WD3200AAKS	SATA 3.0Gb/s	320	7200	16	OK 2009/11/23
WD Caviar Blue	WD2500AAKS	SATA 3.0Gb/s	250	7200	16	OK 2009/11/23
WD Caviar SE	WD800AAJS	SATA 3.0Gb/s	80	7200	8	OK 2009/11/23
WD Caviar Green	WD10EACS	SATA 3.0Gb/s	1000	IntelliPower™	16	OK 2009/11/23
WD Caviar Green	WD7500AACS	SATA 3.0Gb/s	750	IntelliPower™	16	OK 2009/11/23
WD Caviar Green	WD6400AACS	SATA 3.0Gb/s	640	IntelliPower™	16	OK 2009/11/23
WD Caviar Green	WD5000AACS	SATA 3.0Gb/s	500	IntelliPower™	16	OK 2009/11/23
WD RE3	WD1002FBYS	SATA 3.0Gb/s	1000	7200	32	OK 2010/04/23
WD RE4	WD2003FYYS	SATA 3.0Gb/s	2000	7200	64	OK 2010/05/04
WD RE4	WD1503FYYS	SATA 3.0Gb/s	1500	7200	64	OK 2010/05/04
WD RE4	WD1003FBYX	SATA 3.0Gb/s	1000	7200	64	OK 2010/06/15
WD RE4	WD5003ABYX	SATA 3.0Gb/s	500	7200	64	OK 2010/06/15
WD RE4-GP	WD2002FYPS	SATA 3.0Gb/s	2000	IntelliPower™	64	OK 2010/05/04
WD VelociRaptor	WD3000BLFS	SATA 3.0Gb/s	300	10000	16	OK 2010/05/04
WD VelociRaptor	WD1500BLFS	SATA 3.0Gb/s	150	10000	16	OK 2010/05/04
WD Scorpio Blue	WD6400BEVT	SATA 3.0Gb/s	640	5400	8	OK 2010/05/04
WD Scorpio Blue	WD5000BEVT	SATA 3.0Gb/s	500	5400	8	OK 2010/05/04
WD Scorpio Blue	WD4000BEVT	SATA 3.0Gb/s	400	5400	8	OK 2010/05/04
WD Scorpio Blue	WD3200BEVT	SATA 3.0Gb/s	320	5400	8	OK 2010/05/04
WD Scorpio Blue	WD2500BEVT	SATA 3.0Gb/s	250	5400	8	OK 2010/05/04
WD Scorpio Blue	WD1600BEVT	SATA 3.0Gb/s	160	5400	8	OK 2010/05/04
WD Scorpio Blue	WD1200BEVT	SATA 3.0Gb/s	120	5400	8	OK 2010/05/04
WD Scorpio Blue	WD800BEVT	SATA 3.0Gb/s	80	5400	8	OK 2010/05/04

■ Blue item means 2.5" HDD

* Recommended Firmware version: 3.05.02.2 or newer

- Note
1. Above HDD were tested in room temperature.
 2. Please keep the NAS Storage in good air condition for RAID safety.
 3. Thecus DO NOT guaranty the RAID data safety, and NAS Storage admin has to backup the RAID data to another storage regularly.
 4. There is an 8 TB limitation for EXT3 file system. It means, if more than five 1.5 TB HDD installed in N7700/N7700SAS/N8800/N8800SAS, you may have to create two RAID volumes. And both are smaller than 8 TB in capacity.