



# N7700/N7700SAS/N8800/N8800SAS SATA HDD Compatibility List

## Hitachi

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	Recently Updated *
Deskstar 7K2000	HDS722020ALA330	SATA 3.0Gb/s	2000	7200	32	OK 2009/10/22
Deskstar E7K1000	HDE721010SLA330	SATA 3.0Gb/s	1000	7200	32	OK 2009/03/23
Deskstar E7K1000	HDE721075SLA330	SATA 3.0Gb/s	750	7200	32	OK 2009/03/23
Deskstar E7K1000	HDE721050SLA330	SATA 3.0Gb/s	500	7200	32	OK 2009/03/23
Deskstar 7K1000.B	HDT721010SLA360	SATA 3.0Gb/s	1000	7200	16	OK 2009/05/25
Deskstar 7K1000.B	HDT721075SLA360	SATA 3.0Gb/s	750	7200	16	OK 2009/05/25
Deskstar 7K1000.B	HDT721064SLA360	SATA 3.0Gb/s	640	7200	16	OK 2009/05/25
Deskstar 7K1000.B	HDT721050SLA360	SATA 3.0Gb/s	500	7200	16	OK 2009/05/25
Deskstar 7K1000.B	HDT721032SLA360	SATA 3.0Gb/s	320	7200	16	OK 2009/05/25
Deskstar 7K1000.B	HDT721025SLA380	SATA 3.0Gb/s	250	7200	8	OK 2009/05/25
Deskstar 7K1000.B	HDT721016SLA380	SATA 3.0Gb/s	160	7200	8	OK 2009/05/25

\* Recommended Firmware version: 3.00.07a or newer

## Seagate

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	Recently Updated *
Barracuda LP	ST32000542AS	SATA 3.0Gb/s	2000	5900	32	OK 2009/10/22
Barracuda LP	ST31500541AS	SATA 3.0Gb/s	1500	5900	32	OK 2009/10/22
Barracuda LP	ST31000520AS	SATA 3.0Gb/s	1000	5900	32	OK 2009/10/22
Barracuda 7200.11	ST31500341AS	SATA 3.0Gb/s	1500	7200	32	OK 2008/11/28
Barracuda 7200.12	ST31000528AS	SATA 3.0Gb/s	1000	7200	32	OK 2009/05/25
Barracuda 7200.12	ST3750528AS	SATA 3.0Gb/s	750	7200	32	OK 2009/05/25
Barracuda 7200.12	ST3500418AS	SATA 3.0Gb/s	500	7200	16	OK 2009/05/25
Barracuda 7200.12	ST3500410AS	SATA 3.0Gb/s	500	7200	16	OK 2009/05/25
Barracuda 7200.12	ST3320418AS	SATA 3.0Gb/s	320	7200	16	OK 2009/05/25
Barracuda 7200.12	ST3250318AS	SATA 3.0Gb/s	250	7200	8	OK 2009/05/25
Barracuda 7200.12	ST3160318AS	SATA 3.0Gb/s	160	7200	8	OK 2009/05/25
Barracuda® ES.2	ST31000340NS	SATA 3.0Gb/s	1000	7200	32	OK 2008/11/12
Barracuda® ES.2	ST3750330NS	SATA 3.0Gb/s	750	7200	32	OK 2008/11/14
Barracuda® ES.2	ST3500320NS	SATA 3.0Gb/s	500	7200	32	OK 2008/11/14
Barracuda® ES.2	ST3250310NS	SATA 3.0Gb/s	250	7200	32	OK 2008/11/14

\* Recommended Firmware version: 3.00.07a or newer

### [Notes for Seagate 1.5 TB HDD]

1. 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

2. 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.



# N7700/N7700SAS/N8800/N8800SAS SATA 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 2009/05/25

## 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 2008/11/12
WD Caviar Blue	WD6400AAKS	SATA 3.0Gb/s	640	7200	16	OK 2008/11/12
WD Caviar Blue	WD5000AAKS	SATA 3.0Gb/s	500	7200	16	OK 2008/11/12
WD Caviar Blue	WD4000AAKS	SATA 3.0Gb/s	400	7200	16	OK 2008/11/14
WD Caviar Blue	WD3200AAKS	SATA 3.0Gb/s	320	7200	16	OK 2008/11/12
WD Caviar Blue	WD2500AAKS	SATA 3.0Gb/s	250	7200	16	OK 2008/11/14
WD Caviar SE	WD800AAJS	SATA 3.0Gb/s	80	7200	8	OK 2008/11/12
WD Caviar Green	WD10EACS	SATA 3.0Gb/s	1000	IntelliPower™	16	OK 2008/11/12
WD Caviar Green	WD7500AACS	SATA 3.0Gb/s	750	IntelliPower™	16	OK 2008/11/14
WD Caviar Green	WD6400AACS	SATA 3.0Gb/s	640	IntelliPower™	16	OK 2008/11/14
WD Caviar Green	WD5000AACS	SATA 3.0Gb/s	500	IntelliPower™	16	OK 2008/11/14

\* Recommended Firmware version: 3.00.07a or newer

### [Notes for WD 1.5/2.0 TB HDD]

1. WD2002FYPS, WD20EADS, and WD15EADS may have compatibility issue with Thecus N7700/N7700SAS/N8800/N8800SAS
2. About 90% of WD2002FYPS/WD20EADS/WD15EADS configuration is stable, but remaining 10% might experience RAID degrade issue randomly.

- 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.