

Thecus® N8900 / N8900V / N12000V / N16000V / N12000PRO / N16000PRO /
 Subsidiary of Innoconn **N12850L / N12850RU / N12850 / N16850 HDD/SSD Compatibility List**

N12850RU N12850L no SAS HDD support.

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

HGST									
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *	
Ultrastar He10	HUH721010AL5200	SAS 6.0Gb/s *15	10000	7200	256	2.05.14	3.5"	OK 2016/06/27	
Ultrastar He10	HUH721008AL5200	SAS 6.0Gb/s *15	8000	7200	256	2.05.14	3.5"	OK 2016/06/27	
15K600	HUS156060VLS600	SAS 6.0Gb/s *15	600	15000	64	2.03.07	3.5"	OK 2012/11/27	
15K600	HUS156045VLS600	SAS 6.0Gb/s *15	450	15000	64	2.03.07	3.5"	OK 2012/11/27	
15K600	HUS156030VLS600	SAS 6.0Gb/s *15	300	15000	64	2.03.07	3.5"	OK 2012/11/27	
Ultrastar C10K600	HUC106060CSS600	SAS 6.0Gb/s *15	600	10000	64	2.05.06	2.5"	OK 2015/01/08	
Ultrastar C10K600	HUC106045CSS600	SAS 6.0Gb/s *15	450	10000	64	2.05.06	2.5"	OK 2015/01/08	
Ultrastar C10K600	HUC106030CSS600	SAS 6.0Gb/s *15	300	10000	64	2.05.06	2.5"	OK 2015/01/08	
C10K900	HUC109090CSS600	SAS 6.0Gb/s *15	900	10000	64	2.03.07	2.5"	OK 2012/12/03	
C10K900	HUC109060CSS600	SAS 6.0Gb/s *15	600	10000	64	2.03.07	2.5"	OK 2012/12/03	
C10K900	HUC109045CSS600	SAS 6.0Gb/s *15	450	10000	64	2.03.07	2.5"	OK 2012/12/03	
C10K900	HUC109030CSS600	SAS 6.0Gb/s *15	300	10000	64	2.03.07	2.5"	OK 2012/12/03	
C10K1200	HUC101212CSS600	SAS 6.0Gb/s *15	1200	10000	64	2.03.09	2.5"	OK 2013/05/02	
Ultrastar He6	HUS726060ALS640	SAS 6.0Gb/s *15	6000	7200	64	2.04.05c	3.5"	OK 2014/04/23	
Ultrastar C7K1000	HUC721010ASS600	SAS 6.0Gb/s *15	1000	10200	64	2.04.05c	2.5"	OK 2014/04/23	
Ultrastar 7K6000	HUS726060ALE610	SATA 6.0Gb/s	6000	7200	128	2.05.06	3.5"	OK 2015/01/13	
Ultrastar 7K6000	HUS726050ALE610	SATA 6.0Gb/s	5000	7200	128	2.05.06	3.5"	OK 2015/01/13	
Ultrastar 7K6000	HUS726040ALE610	SATA 6.0Gb/s	4000	7200	128	2.05.06	3.5"	OK 2015/01/13	
Ultrastar 7K6000	HUS726020ALE610	SATA 6.0Gb/s	2000	7200	128	2.05.06	3.5"	OK 2015/01/13	
Ultrastar 7K6000	HUS726060AL5210	SAS 12.0Gb/s *15	6000	7200	128	2.05.08	3.5"	OK 2015/04/27	
Ultrastar 7K6000	HUS726050AL5210	SAS 12.0Gb/s *15	5000	7200	128	2.05.08	3.5"	OK 2015/04/27	
Ultrastar 7K6000	HUS726040AL5210	SAS 12.0Gb/s *15	4000	7200	128	2.05.08	3.5"	OK 2015/04/27	
Ultrastar 7K6000	HUS726020AL5210	SAS 12.0Gb/s *15	2000	7200	128	2.05.08	3.5"	OK 2015/04/27	
Ultrastar 7K4000	HUS724040ALE640	SATA 6.0Gb/s	4000	7200	64	2.02.02	3.5"	OK 2012/07/25	
Ultrastar 7K4000	HUS724030ALE640	SATA 6.0Gb/s	3000	7200	64	2.02.02	3.5"	OK 2012/07/25	
Ultrastar 7K4000	HUS724020ALE640	SATA 6.0Gb/s	2000	7200	64	2.02.02	3.5"	OK 2012/07/25	
Ultrastar 7K4000	HUS724040ALA640	SATA 6.0Gb/s	4000	7200	64	2.03.09	3.5"	OK 2013/05/02	
Ultrastar 7K4000	HUS724030ALA640	SATA 6.0Gb/s	3000	7200	64	2.03.09	3.5"	OK 2013/05/02	

Compatibility not equal to reliability, strongly recommend choose business critical (blue area) enterprise or NAS driver, if NAS operation in the 7x24 condition. 2016/9/22

**N8900 / N8900V / N12000V / N16000V / N12000PRO / N16000PRO /
N12850L / N12850RU / N12850 / N16850 HDD/SSD Compatibility List**

N12850RU N12850L no SAS HDD support.

Ultrastar 7K4000	HUS724020ALA640	SATA 6.0Gb/s	2000	7200	64	2.03.09	3.5"	OK 2013/05/02
Ultrastar 7K4000	HUS724040ALS640	SAS 6.0Gb/s *15	4000	7200	64	2.03.09	3.5"	OK 2013/05/09
Ultrastar 7K4000	HUS724030ALS640	SAS 6.0Gb/s *15	3000	7200	64	2.03.09	3.5"	OK 2013/05/09
Ultrastar 7K4000	HUS724020ALS640	SAS 6.0Gb/s *15	2000	7200	64	2.03.09	3.5"	OK 2013/05/09
Ultrastar 7K3000	HUS723030ALS640	SAS 6.0Gb/s *15	3000	7200	64	2.00.03	3.5"	OK 2011/12/05
Ultrastar 7K3000	HUS723020ALS640	SAS 6.0Gb/s *15	2000	7200	64	2.00.03	3.5"	OK 2011/12/05
Ultrastar 7K3000	HUA723030ALA640	SATA 6.0Gb/s	3000	7200	64	2.00.03	3.5"	OK 2011/11/29
Ultrastar 7K3000	HUA723020ALA640	SATA 6.0Gb/s	2000	7200	64	2.00.03	3.5"	OK 2011/11/29
Travelstar 5K1000 EA	HTE541010A9E680	SATA 6.0Gb/s	1000	5400	8	2.03.08	2.5"	OK 2012/12/21
Travelstar 5K1000 EA	HTE541075A9E680	SATA 6.0Gb/s	750	5400	8	2.03.08	2.5"	OK 2012/12/21
Travelstar 5K1000 EA	HTE541064A9E680	SATA 6.0Gb/s	640	5400	8	2.03.08	2.5"	OK 2012/12/21
MegaScale DC 4000.B	HMS5C4040BLE640	SATA 6.0Gb/s	4000	CoolSpin	64	2.04.01	3.5"	OK 2014/01/02
MegaScale OEM	HMS5C4040ALE640	SATA 6.0Gb/s	4000	5700	64	2.05.04	3.5"	OK 2014/10/01
Ultrastar He8	HUH728080ALE600	SATA 6.0Gb/s	8000	7200	128	2.04.06a	3.5"	OK 2015/03/04
Ultrastar He8	HUH728060ALE600	SATA 6.0Gb/s	6000	7200	128	2.04.06a	3.5"	OK 2015/03/04
Ultrastar He8	HUH728080ALS200	SAS 12.0Gb/s *15	8000	7200	128	2.05.08	3.5"	OK 2015/04/17
Ultrastar He8	HUH728060ALS200	SAS 12.0Gb/s *15	6000	7200	128	2.05.08	3.5"	OK 2015/04/17
Ultrastar He10	HUH721010ALE604	SATA 6.0Gb/s	10000	7200	256	2.05.14	3.5"	OK 2016/08/25
Ultrastar He10	HUH721010ALE600	SATA 6.0Gb/s	10000	7200	256	2.05.14	3.5"	OK 2016/08/25
Ultrastar He10	HUH721008ALE600	SATA 6.0Gb/s	8000	7200	256	2.05.14	3.5"	OK 2016/08/25
Ultrastar He8	HUH728080ALE604	SATA 6.0Gb/s	8000	7200	128	2.05.14	3.5"	OK 2016/09/22
Ultrastar He8	HUH728060ALE604	SATA 6.0Gb/s	6000	7200	128	2.05.14	3.5"	OK 2016/09/22
Ultrastar 7K6000	HUS726060ALE614	SATA 6.0Gb/s	6000	7200	128	2.05.14	3.5"	OK 2016/09/22
Ultrastar 7K6000	HUS726050ALE614	SATA 6.0Gb/s	5000	7200	128	2.05.14	3.5"	OK 2016/09/22
Ultrastar 7K6000	HUS726040ALE614	SATA 6.0Gb/s	4000	7200	128	2.05.14	3.5"	OK 2016/09/22
Ultrastar 7K6000	HUS726020ALE614	SATA 6.0Gb/s	2000	7200	128	2.05.14	3.5"	OK 2016/09/22
Ultrastar 7K6000	HUS726040ALA614	SATA 6.0Gb/s	4000	7200	128	2.05.14	3.5"	OK 2016/09/22
Ultrastar 7K6000	HUS726020ALA614	SATA 6.0Gb/s	2000	7200	128	2.05.14	3.5"	OK 2016/09/22

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N12850RU N12850L no SAS HDD support.

HGST SSD								
Series	Model	Interface	Capacity (GB)			NAS Firmware	Form Factor	Recently Updated *
Ultrastar SSD400M	HUSML4040ASS600	SAS 6.0Gb/s *15	400	SSD	-	2.00.01.1	2.5"	OK 2011/11/29
Ultrastar SSD400M	HUSML4020ASS600	SAS 6.0Gb/s *15	200	SSD	-	2.00.01.1	2.5"	OK 2011/11/29
Ultrastar SSD1600MR	HUSMR1616ASS200	SAS 12.0Gb/s *15	1600	SSD	-	v2.05.08.20150416	2.5"	OK 2015/09/25
Ultrastar SSD1600MR	HUSMR1610ASS200	SAS 12.0Gb/s *15	1000	SSD	-	v2.05.08.20150416	2.5"	OK 2015/09/25
Ultrastar SSD1600MR	HUSMR1680ASS200	SAS 12.0Gb/s *15	800	SSD	-	v2.05.08.20150416	2.5"	OK 2015/09/25
Ultrastar SSD1600MR	HUSMR1650ASS200	SAS 12.0Gb/s *15	500	SSD	-	v2.05.08.20150416	2.5"	OK 2015/09/25
Ultrastar SSD1600MR	HUSMR1640ASS200	SAS 12.0Gb/s *15	400	SSD	-	v2.05.08.20150416	2.5"	OK 2015/09/25
Ultrastar SSD1600MR	HUSMR1625ASS200	SAS 12.0Gb/s *15	250	SSD	-	v2.05.08.20150416	2.5"	OK 2015/09/25
Ultrastar SSD1600MM	HUSMM1616ASS200	SAS 12.0Gb/s *15	1600	SSD	-	v2.05.12.3	2.5"	OK 2016/02/23
Ultrastar SSD1600MM	HUSMM1680ASS200	SAS 12.0Gb/s *15	800	SSD	-	v2.05.12.3	2.5"	OK 2016/02/23
Ultrastar SSD1600MM	HUSMM1640ASS200	SAS 12.0Gb/s *15	400	SSD	-	v2.05.12.3	2.5"	OK 2016/02/23
Ultrastar SSD1600MM	HUSMM1620ASS200	SAS 12.0Gb/s *15	200	SSD	-	v2.05.12.3	2.5"	OK 2016/02/23

Intel SSD								
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated
520 Series	SSDSC2CW480A3	SATA 6.0Gb/s	480	SSD	-	2.03.08	2.5"	OK 2013/02/07
520 Series	SSDSC2CW240A3	SATA 6.0Gb/s	240	SSD	-	2.03.08	2.5"	OK 2013/02/07
520 Series	SSDSC2CW180A3	SATA 6.0Gb/s	180	SSD	-	2.03.08	2.5"	OK 2013/02/07
520 Series	SSDSC2CW120A3	SATA 6.0Gb/s	120	SSD	-	2.03.08	2.5"	OK 2013/02/07
520 Series	SSDSC2CW060A3	SATA 6.0Gb/s	60	SSD	-	2.03.08	2.5"	OK 2013/02/07
S3500 Series	SSDSC2BB080	SATA 6.0Gb/s	80	SSD	-	2.04.01.2	2.5"	OK 2013/09/12
S3500 Series	SSDSC2BB120	SATA 6.0Gb/s	120	SSD	-	2.04.01.2	2.5"	OK 2013/09/12
S3500 Series	SSDSC2BB160	SATA 6.0Gb/s	160	SSD	-	2.04.01.2	2.5"	OK 2013/09/12
S3500 Series	SSDSC2BB240	SATA 6.0Gb/s	240	SSD	-	2.04.01.2	2.5"	OK 2013/09/12
S3500 Series	SSDSC2BB300	SATA 6.0Gb/s	300	SSD	-	2.04.01.2	2.5"	OK 2013/09/12
S3500 Series	SSDSC2BB480	SATA 6.0Gb/s	480	SSD	-	2.04.01.2	2.5"	OK 2013/09/12
S3500 Series	SSDSC2BB600	SATA 6.0Gb/s	600	SSD	-	2.04.01.2	2.5"	OK 2013/09/12
S3500 Series	SSDSC2BB800	SATA 6.0Gb/s	800	SSD	-	2.04.01.2	2.5"	OK 2013/09/12

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N12850RU N12850L no SAS HDD support.

Seagate SSD

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
1200 SSD	ST800FM0043	SAS 12.0Gb/s *15	800	SSD	-	2.04.06	2.5"	OK 2014/10/02
1200 SSD	ST400FM0053	SAS 12.0Gb/s *15	400	SSD	-	2.04.06	2.5"	OK 2014/10/02
1200 SSD	ST200FM0053	SAS 12.0Gb/s *15	200	SSD	-	2.04.06	2.5"	OK 2014/10/02

Seagate

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
Cheetah 15K.7	ST3600057SS	SAS 6.0Gb/s *15	600	15000	16	2.00.03	3.5"	OK 2011/11/29
Cheetah 15K.7	ST3600957SS	SAS 6.0Gb/s *15	600	15000	16	1.00.10	3.5"	OK 2013/10/22
Cheetah 15K.7	ST3600857SS	SAS 6.0Gb/s *15	600	15000	16	1.00.10	3.5"	OK 2013/10/22
Cheetah 15K.7	ST3450857SS	SAS 6.0Gb/s *15	450	15000	16	1.00.10	3.5"	OK 2013/10/22
Cheetah 15K.7	ST3450757SS	SAS 6.0Gb/s *15	450	15000	16	1.00.10	3.5"	OK 2013/10/22
Cheetah 15K.7	ST3450657SS	SAS 6.0Gb/s *15	450	15000	16	1.00.10	3.5"	OK 2013/10/22
Cheetah 15K.7	ST3300657SS	SAS 6.0Gb/s *15	300	15000	16	1.00.10	3.5"	OK 2013/10/22
Cheetah 15K.7	ST3300557SS	SAS 6.0Gb/s *15	300	15000	16	1.00.10	3.5"	OK 2013/10/22
Cheetah 15K.7	ST3300457SS	SAS 6.0Gb/s *15	300	15000	16	1.00.10	3.5"	OK 2013/10/22
Cheetah 15K.6	ST3450856SS	SAS 3.0Gb/s *15	450	15000	16	2.00.03	3.5"	OK 2011/11/29
Cheetah 15K.6	ST3300656SS	SAS 3.0Gb/s *15	300	15000	16	2.00.03	3.5"	OK 2011/11/29
Cheetah 15K.6	ST3146356SS	SAS 3.0Gb/s *15	146	15000	16	2.00.03	3.5"	OK 2011/11/29
Savvio 10K.5	ST9900805SS	SAS 6.0Gb/s *15	900	10000	64	2.00.03	2.5"	OK 2011/11/29
Savvio 10K.5	ST9300605SS	SAS 6.0Gb/s *15	300	10000	-	2.00.03	2.5"	OK 2011/11/29
Constellation ES.3	ST6000NM0024	SATA 6.0Gb/s	6000	7200	128	2.04.05c	3.5"	OK 2014/04/23
Constellation ES.3	ST5000NM0024	SATA 6.0Gb/s	5000	7200	128	2.04.05c	3.5"	OK 2014/04/23
Constellation ES.3	ST4000NM0024	SATA 6.0Gb/s	4000	7200	128	2.04.05c	3.5"	OK 2014/04/23
Constellation ES.3	ST2000NM0024	SATA 6.0Gb/s	2000	7200	128	2.04.05c	3.5"	OK 2014/04/23
Constellation ES.3	ST4000NM0023	SAS 6.0Gb/s *15	4000	7200	128	2.03.08	3.5"	OK 2013/04/22
Constellation ES.3	ST3000NM0023	SAS 6.0Gb/s *15	3000	7200	128	2.03.08	3.5"	OK 2013/04/22
Constellation ES.3	ST2000NM0023	SAS 6.0Gb/s *15	2000	7200	128	2.03.08	3.5"	OK 2013/04/22
Constellation ES.3	ST1000NM0023	SAS 6.0Gb/s *15	1000	7200	128	2.03.08	3.5"	OK 2013/04/22
Constellation ES.3	ST4000NM0033	SATA 6.0Gb/s	4000	7200	128	2.03.08	3.5"	OK 2013/01/11
Constellation ES.3	ST3000NM0033	SATA 6.0Gb/s	3000	7200	128	2.03.08	3.5"	OK 2013/01/11
Constellation ES.3	ST2000NM0033	SATA 6.0Gb/s	2000	7200	128	2.03.08	3.5"	OK 2013/03/15
Constellation ES.3	ST1000NM0033	SATA 6.0Gb/s	1000	7200	128	2.03.08	3.5"	OK 2013/03/15
Constellation ES.2	ST33000650NS	SATA 6.0Gb/s	3000	7200	64	2.00.03	3.5"	OK 2011/11/29
Constellation ES.2	ST32000645NS	SATA 6.0Gb/s	2000	7200	64	2.03.07	3.5"	OK 2012/12/06

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N12850RU N12850L no SAS HDD support.

Constellation.2	ST91000640SS	SAS 6.0Gb/s *15	1000	7200	64	2.00.03	2.5"	OK 2011/11/29
Constellation.2	ST9500620SS	SAS 6.0Gb/s *15	500	7200	64	2.00.03	2.5"	OK 2011/11/29
Constellation.2	ST91000640NS	SATA 6.0Gb/s	1000	7200	64	2.00.03	2.5"	OK 2011/11/29
Constellation.2	ST9500620NS	SATA 6.0Gb/s	500	7200	64	2.00.03	2.5"	OK 2011/11/29
Constellation.2	ST9250610NS	SATA 6.0Gb/s	250	7200	64	2.00.03	2.5"	OK 2011/11/29
Constellation ES	ST32000444SS	SAS 6.0Gb/s *15	2000	7200	16	2.00.03	3.5"	OK 2011/11/29
Constellation ES	ST31000424SS	SAS 6.0Gb/s *15	1000	7200	16	2.00.03	3.5"	OK 2011/11/29
Constellation ES	ST3500414SS	SAS 6.0Gb/s *15	500	7200	16	2.00.03	3.5"	OK 2011/11/29
Constellation ES	ST2000NM0011	SATA 6.0Gb/s	2000	7200	64	2.00.03	3.5"	OK 2011/11/29
Constellation ES	ST1000NM0011	SATA 6.0Gb/s	1000	7200	64	2.00.03	3.5"	OK 2011/11/29
Constellation ES	ST500NM0011	SATA 6.0Gb/s	500	7200	64	2.00.03	3.5"	OK 2011/11/29
Constellation ES	ST32000644NS	SATA 3.0Gb/s	2000	7200	64	2.00.03	3.5"	OK 2011/11/29
Constellation ES	ST31000524NS	SATA 3.0Gb/s	1000	7200	32	2.00.03	3.5"	OK 2011/11/29
Constellation ES	ST3500514NS	SATA 3.0Gb/s	500	7200	32	2.00.03	3.5"	OK 2011/11/29
Terascale HDD	ST4000NC001	SATA 6.0Gb/s	4000	5900	64	2.04.01	3.5"	OK 2013/07/15
Terascale HDD	ST4000NC000	SATA 6.0Gb/s	4000	5900	64	2.04.01	3.5"	OK 2013/07/15
Constellation CS	ST3000NC000	SATA 6.0Gb/s	3000	7200	64	2.03.08	3.5"	OK 2013/02/19
Constellation CS	ST2000NC000	SATA 6.0Gb/s	2000	7200	64	2.03.08	3.5"	OK 2013/02/19
Constellation CS	ST1000NC000	SATA 6.0Gb/s	1000	7200	64	2.03.08	3.5"	OK 2013/02/19
Constellation CS	ST3000NC002	SATA 6.0Gb/s	3000	7200	64	2.03.08	3.5"	OK 2013/02/19
Constellation CS	ST2000NC001	SATA 6.0Gb/s	2000	7200	64	2.03.08	3.5"	OK 2013/02/19
Constellation CS	ST1000NC001	SATA 6.0Gb/s	1000	7200	64	2.03.08	3.5"	OK 2013/02/19

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N12850RU N12850L no SAS HDD support.

Enterprise NAS HDD	ST6000VN0001	SATA 6.0Gb/s	6000	7200	128	2.05.06	3.5"	OK 2015/02/09
Enterprise NAS HDD	ST5000VN0001	SATA 6.0Gb/s	5000	7200	128	2.05.06	3.5"	OK 2015/02/09
Enterprise NAS HDD	ST4000VN0001	SATA 6.0Gb/s	4000	7200	128	2.05.06	3.5"	OK 2015/02/09
Enterprise NAS HDD	ST3000VN0001	SATA 6.0Gb/s	3000	7200	128	2.05.06	3.5"	OK 2015/02/09
Enterprise NAS HDD	ST2000VN0001	SATA 6.0Gb/s	2000	7200	128	2.05.06	3.5"	OK 2015/02/09
Enterprise NAS HDD	ST6000VN0011	SATA 6.0Gb/s	6000	7200	128	2.04.06a	3.5"	OK 2015/03/12
Enterprise NAS HDD	ST5000VN0011	SATA 6.0Gb/s	5000	7200	128	2.04.06a	3.5"	OK 2015/03/12
Enterprise NAS HDD	ST4000VN0011	SATA 6.0Gb/s	4000	7200	128	2.04.06a	3.5"	OK 2015/03/12
Enterprise NAS HDD	ST3000VN0011	SATA 6.0Gb/s	3000	7200	128	2.04.06a	3.5"	OK 2015/03/12
Enterprise NAS HDD	ST2000VN0011	SATA 6.0Gb/s	2000	7200	128	2.04.06a	3.5"	OK 2015/03/12
Enterprise HDD	ST8000NM0055	SATA 6.0Gb/s	8000	7200	256	2.05.12	3.5"	OK 2015/09/30 (*13)
Enterprise HDD	ST6000NM0065	SATA 6.0Gb/s	6000	7200	256	2.05.12	3.5"	OK 2015/09/30 (*13)
Enterprise HDD	ST8000NE0001	SATA 6.0Gb/s	8000	7200	256	2.05.12	3.5"	OK 2015/11/30 (*13)
Enterprise HDD	ST8000NE0011	SATA 6.0Gb/s	6000	7200	256	2.05.12	3.5"	OK 2015/11/30 (*13)
Enterprise NAS HDD	ST8000VN0002	SATA 6.0Gb/s	8000	7200	256	2.05.12	3.5"	OK 2015/12/31 (*13)
Enterprise NAS HDD	ST8000VN0012	SATA 6.0Gb/s	8000	7200	256	2.05.12	3.5"	OK 2015/12/31 (*13)
Enterprise NAS HDD	ST6000VN0021	SATA 6.0Gb/s	6000	7200	256	2.05.12	3.5"	OK 2015/12/31 (*13)
Enterprise NAS HDD	ST6000VN0031	SATA 6.0Gb/s	6000	7200	256	2.05.12	3.5"	OK 2015/12/31 (*13)

Thecus® N8900 / N8900V / N12000V / N16000V / N12000PRO / N16000PRO /
 Subsidiary of Innocom N12850L / N12850RU / N12850 / N16850 HDD/SSD Compatibility List

N12850RU N12850L no SAS HDD support.

Toshiba								
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
MBF2-RC	MBF2600RC	SAS 6.0Gb/s *15	600	10025	16	2.00.03	2.5"	OK 2011/11/29
MBF2-RC	MBF2450RC	SAS 6.0Gb/s *15	450	10025	16	2.00.03	2.5"	OK 2011/11/29
MBF2-RC	MBF2300RC	SAS 6.0Gb/s *15	300	10025	16	2.00.03	2.5"	OK 2011/11/29
MKx001TRKB	MK1001TRKB	SAS 6.0Gb/s *15	1000	7200	16	2.02.02	3.5"	OK 2012/09/19
MKx001TRKB	MK2001TRKB	SAS 6.0Gb/s *15	2000	7200	16	2.02.02	3.5"	OK 2012/09/19
AL13SE	AL13SEB300	SAS 6.0Gb/s *15	300	10500	64	2.04.01	2.5"	OK 2013/06/25
AL13SE	AL13SEB450	SAS 6.0Gb/s *15	450	10500	64	2.04.01	2.5"	OK 2013/06/25
AL13SE	AL13SEB600	SAS 6.0Gb/s *15	600	10500	64	2.04.01	2.5"	OK 2013/06/25
AL13SE	AL13SEB900	SAS 6.0Gb/s *15	900	10500	64	2.04.01	2.5"	OK 2013/06/25
AL13SEL	AL13SEL300	SAS 6.0Gb/s *15	300	10500	64	2.04.01	3.5"	OK 2013/06/25
AL13SEL	AL13SEL450	SAS 6.0Gb/s *15	450	10500	64	2.04.01	3.5"	OK 2013/06/25
AL13SEL	AL13SEL600	SAS 6.0Gb/s *15	600	10500	64	2.04.01	3.5"	OK 2013/06/25
AL13SEL	AL13SEL900	SAS 6.0Gb/s *15	900	10500	64	2.04.01	3.5"	OK 2013/06/25
MKx002TSKB	MK2002TSKB	SATA 3.0Gb/s	2000	7200	16	2.01.01	3.5"	OK 2012/02/03
MKx002TSKB	MK1002TSKB	SATA 3.0Gb/s	1000	7200	64	2.01.01	3.5"	OK 2012/02/03
MBF2-LRC	MBF230LRC	SAS 6.0Gb/s *15	300	10025	16	2.03.03	3.5"	OK 2012/09/19
MBF2-LRC	MBF245LRC	SAS 6.0Gb/s *15	450	10025	16	2.03.03	3.5"	OK 2012/09/19
MBF2-LRC	MBF260LRC	SAS 6.0Gb/s *15	600	10025	16	2.03.03	3.5"	OK 2012/09/19
MG04SCAxxxA	MG04SCA500A	SAS 6.0Gb/s *15	5000	7200	64	2.04.05c	3.5"	OK 2014/04/23
MG04SCAxxxA	MG04SCA400A	SAS 6.0Gb/s *15	4000	7200	64	2.04.05c	3.5"	OK 2014/04/23
MG04SCAxxxA	MG04SCA300A	SAS 6.0Gb/s *15	3000	7200	64	2.04.05c	3.5"	OK 2014/04/23
MG04SCAxxxA	MG04SCA200A	SAS 6.0Gb/s *15	2000	7200	64	2.04.05c	3.5"	OK 2014/04/23
MG04SCAxxxE	MG04SCA500E	SAS 6.0Gb/s *15	5000	7200	64	2.05.08	3.5"	OK 2015/04/28
MG04SCAxxxE	MG04SCA400E	SAS 6.0Gb/s *15	4000	7200	64	2.05.08	3.5"	OK 2015/04/28
MG04SCAxxxE	MG04SCA300E	SAS 6.0Gb/s *15	3000	7200	64	2.05.08	3.5"	OK 2015/04/28
MG04SCAxxxE	MG04SCA200E	SAS 6.0Gb/s *15	2000	7200	64	2.05.08	3.5"	OK 2015/04/28
MG03SCAxxx	MG03SCA400	SAS 6.0Gb/s *15	4000	7200	64	2.03.08	3.5"	OK 2013/03/06
MG03SCAxxx	MG03SCA300	SAS 6.0Gb/s *15	3000	7200	64	2.03.08	3.5"	OK 2013/03/06
MG03SCAxxx	MG03SCA200	SAS 6.0Gb/s *15	2000	7200	64	2.03.08	3.5"	OK 2013/03/06
MG03SCAxxx	MG03SCA100	SAS 6.0Gb/s *15	1000	7200	64	2.03.08	3.5"	OK 2013/03/06
MG03ACAxxx	MG03ACA400	SATA 6.0Gb/s	4000	7200	64	2.04.05c	3.5"	OK 2014/05/20
MG03ACAxxx	MG03ACA300	SATA 6.0Gb/s	3000	7200	64	2.04.05c	3.5"	OK 2014/05/20
MG03ACAxxx	MG03ACA200	SATA 6.0Gb/s	2000	7200	64	2.04.05c	3.5"	OK 2014/05/20
MG03ACAxxx	MG03ACA100	SATA 6.0Gb/s	1000	7200	64	2.04.05c	3.5"	OK 2014/05/20

Thecus® N8900 / N8900V / N12000V / N16000V / N12000PRO / N16000PRO /
 Subsidiary of Innocomm **N12850L / N12850RU / N12850 / N16850 HDD/SSD Compatibility List**

N12850RU N12850L no SAS HDD support.

MG04ACAxxxE	MG04ACA600E	SATA 6.0Gb/s	6000	7200	128	2.05.08	3.5"	OK 2015/05/07
MG04ACAxxxE	MG04ACA500E	SATA 6.0Gb/s	5000	7200	128	2.04.05c	3.5"	OK 2014/09/04
MG04ACAxxxE	MG04ACA400E	SATA 6.0Gb/s	4000	7200	128	2.04.05c	3.5"	OK 2014/09/04
MG04ACAxxxE	MG04ACA300E	SATA 6.0Gb/s	3000	7200	128	2.04.05c	3.5"	OK 2014/09/04
MG04ACAxxxE	MG04ACA200E	SATA 6.0Gb/s	2000	7200	128	2.04.05c	3.5"	OK 2014/09/04
MC04ACAxxxE	MC04ACA500E	SATA 6.0Gb/s	5000	7200	128	2.04.05c	3.5"	OK 2014/09/04
MC04ACAxxxE	MC04ACA400E	SATA 6.0Gb/s	4000	7200	128	2.04.05c	3.5"	OK 2014/09/04
MC04ACAxxxE	MC04ACA300E	SATA 6.0Gb/s	3000	7200	128	2.04.05c	3.5"	OK 2014/09/04
MC04ACAxxxE	MC04ACA200E	SATA 6.0Gb/s	2000	7200	128	2.04.05c	3.5"	OK 2014/09/04
Enterprise	MG04SCA60EE	SAS 6.0Gb/s *15	6000	7200	128	2.05.12	3.5"	OK 2015/11/09
Enterprise	MG04SCA50EE	SAS 6.0Gb/s *15	5000	7200	128	2.05.12	3.5"	OK 2015/11/09
Enterprise	MG04SCA40EE	SAS 6.0Gb/s *15	4000	7200	128	2.05.12	3.5"	OK 2015/11/09
Enterprise	MG04SCA20EE	SAS 6.0Gb/s *15	2000	7200	128	2.05.12	3.5"	OK 2015/11/09
Enterprise	MG03ACA300	SATA 6.0Gb/s	3000	7200	64	2.03.04	3.5"	OK 2012/10/05
Enterprise	MG03ACA200	SATA 6.0Gb/s	2000	7200	64	2.03.04	3.5"	OK 2012/10/05
Enterprise	MG03ACA100	SATA 6.0Gb/s	1000	7200	64	2.03.04	3.5"	OK 2012/10/05
MD03ACAxxxV	MD03ACA400V	SATA 6.0Gb/s	4000	7200	64	2.04.05b	3.5"	OK 2014/03/31
MD03ACAxxxV	MD03ACA300V	SATA 6.0Gb/s	3000	7200	64	2.04.05b	3.5"	OK 2014/03/31
MD03ACAxxxV	MD03ACA200V	SATA 6.0Gb/s	2000	7200	64	2.04.05b	3.5"	OK 2014/03/31
MD03ACAxxxV	MD03ACA100V	SATA 6.0Gb/s	1000	7200	64	2.04.05b	3.5"	OK 2014/03/31

Transcend SSD

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated
SSD720	TS512GSSD720	SATA 6.0Gb/s	512	SSD	-	2.03.08	2.5"	OK 2013/01/31
SSD720	TS256GSSD720	SATA 6.0Gb/s	256	SSD	-	2.03.08	2.5"	OK 2013/01/31
SSD720	TS128GSSD720	SATA 6.0Gb/s	128	SSD	-	2.03.08	2.5"	OK 2013/01/31
SSD720	TS64GSSD720	SATA 6.0Gb/s	64	SSD	-	2.03.08	2.5"	OK 2013/01/31

Thecus® N8900 / N8900V / N12000V / N16000V / N12000PRO / N16000PRO /
 Subsidiary of Innocomm **N12850L / N12850RU / N12850 / N16850 HDD/SSD Compatibility List**

N12850RU N12850L no SAS HDD support.

Western Digital

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
WD RE	WD4001FYYG	SAS 6.0Gb/s *15	4000	7200	32	2.03.07	3.5"	OK 2012/11/27
WD RE	WD3001FYYG	SAS 6.0Gb/s *15	3000	7200	32	2.03.07	3.5"	OK 2012/11/27
WD RE	WD2001FYYG	SAS 6.0Gb/s *15	2000	7200	32	2.03.07	3.5"	OK 2012/11/27
WD RE	WD1001FYYG	SAS 6.0Gb/s *15	1000	7200	32	2.03.07	3.5"	OK 2012/11/27
WD RE	WD4000FYYZ	SATA 6.0Gb/s	4000	7200	64	2.03.04	3.5"	OK 2012/10/05
WD RE	WD3000FYYZ	SATA 6.0Gb/s	3000	7200	64	2.03.04	3.5"	OK 2012/10/05
WD RE	WD2000FYYZ	SATA 6.0Gb/s	2000	7200	64	2.03.04	3.5"	OK 2012/10/05
WD RE	WD6001FSYZ	SATA 6.0Gb/s	6000	7200	128	2.05.12	3.5"	OK 2015/11/09
WD RE	WD5001FSYZ	SATA 6.0Gb/s	5000	7200	128	2.05.12	3.5"	OK 2015/11/09
WD VelociRaptor	WD6000HLHX	SATA 6.0Gb/s	600	10000	32	2.00.03	3.5"	OK 2011/11/29
WD VelociRaptor	WD4500HLHX	SATA 6.0Gb/s	450	10000	32	2.00.03	3.5"	OK 2011/11/29
WD RE4	WD2003FYYS	SATA 3.0Gb/s	2000	7200	64	2.00.03	3.5"	OK 2011/11/29
WD RE4	WD1503FYYS	SATA 3.0Gb/s	1500	7200	64	2.00.03	3.5"	OK 2011/11/29
WD RE4	WD1003FBYX	SATA 3.0Gb/s	1000	7200	64	2.00.03	3.5"	OK 2011/11/29
WD RE4	WD5003ABYX	SATA 3.0Gb/s	500	7200	64	2.00.03	3.5"	OK 2011/11/29
WD RE4	WD2503ABYX	SATA 3.0Gb/s	250	7200	64	2.00.03	3.5"	OK 2011/11/29
WD XE	WD9001BKHG	SAS 6.0Gb/s *15	900	10000	32	2.03.07	2.5"	OK 2012/12/06
WD XE	WD6001BKHG	SAS 6.0Gb/s *15	600	10000	32	2.03.07	2.5"	OK 2012/12/06
WD XE	WD4501BKHG	SAS 6.0Gb/s *15	450	10000	32	2.03.07	2.5"	OK 2012/12/06
WD XE	WD3001BKHG	SAS 6.0Gb/s *15	300	10000	32	2.03.07	2.5"	OK 2012/12/06
WD SE	WD4000F9YZ	SATA 6.0Gb/s	4000	7200	64	2.03.09	3.5"	OK 2013/05/22
WD SE	WD3000F9YZ	SATA 6.0Gb/s	3000	7200	64	2.03.09	3.5"	OK 2013/06/28
WD SE	WD2000F9YZ	SATA 6.0Gb/s	2000	7200	64	2.03.09	3.5"	OK 2013/06/28
WD SE	WD1002F9YZ	SATA 6.0Gb/s	1000	7200	128	2.04.01	3.5"	OK 2014/02/07

Thecus® N8900 / N8900V / N12000V / N16000V / N12000PRO / N16000PRO /
 Subsidiary of Innocomm **N12850L / N12850RU / N12850 / N16850 HDD/SSD Compatibility List**

N12850RU N12850L no SAS HDD support.

WD RED PRO	WD8001FFWX	SATA 6.0Gb/s	8000	7200	128	2.05.14.4	3.5"	OK 2016/07/21
WD RED PRO	WD6002FFWX	SATA 6.0Gb/s	6000	7200	128	2.05.14.4	3.5"	OK 2016/05/03
WD RED PRO	WD4002FFWX	SATA 6.0Gb/s	4000	7200	128	2.05.14.4	3.5"	OK 2016/05/03
WD RED PRO	WD6001FFWX	SATA 6.0Gb/s	6000	7200	128	2.05.08.20140416	3.5"	OK 2015/08/19
WD RED PRO	WD5001FFWX	SATA 6.0Gb/s	5000	7200	128	2.05.08.20140416	3.5"	OK 2015/08/19
WD RED PRO	WD4001FFSX	SATA 6.0Gb/s	4000	7200	64	2.04.06a	3.5"	OK 2014/07/21
WD RED PRO	WD3001FFSX	SATA 6.0Gb/s	3000	7200	64	2.04.06a	3.5"	OK 2014/07/21
WD RED PRO	WD2001FFSX	SATA 6.0Gb/s	2000	7200	64	2.04.06a	3.5"	OK 2014/07/21
WD RED PRO	WD2002FFSX	SATA 6.0Gb/s	2000	7200	64	2.05.12	3.5"	OK 2015/11/13
WD Gold	WD101KRYZ	SATA 6.0Gb/s	10000	7200	256	2.05.14	3.5"	OK 2016/08/25
WD Gold	WD8002FRYZ	SATA 6.0Gb/s	8000	7200	128	2.05.14	3.5"	OK 2016/09/22
WD Gold	WD6002FRYZ	SATA 6.0Gb/s	6000	7200	128	2.05.14	3.5"	OK 2016/09/22
WD Gold	WD4002FYYZ	SATA 6.0Gb/s	4000	7200	128	2.05.14	3.5"	OK 2016/09/22

ADATA SSD

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated
IS22	128GB (MLC)	SATA 3.0Gb/s	128	SSD	-	2.03.08	2.5"	OK 2013/04/12

OCZ SSD

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated
VECTOR	VTR1-25SAT3-128G	SATA 6.0Gb/s	128	SSD	-	2.04.01.2	2.5"	OK 2013/09/30
VECTOR	VTR1-25SAT3-256G	SATA 6.0Gb/s	256	SSD	-	2.04.01.2	2.5"	OK 2013/09/30
VECTOR	VTR1-25SAT3-512G	SATA 6.0Gb/s	512	SSD	-	2.04.01.2	2.5"	OK 2013/09/30

Plextor SSD

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated
M5 Pro	PX-512M5	SATA 6.0Gb/s	512	SSD	768	2.04.05c	2.5"	OK 2014/04/23
M5 Pro	PX-256M5	SATA 6.0Gb/s	256	SSD	512	2.04.05c	2.5"	OK 2014/04/23
M5 Pro	PX-128M5	SATA 6.0Gb/s	128	SSD	256	2.04.05c	2.5"	OK 2014/04/23

Thecus® N8900 / N8900V / N12000V / N16000V / N12000PRO / N16000PRO /
 Subsidiary of Innocomm **N12850L / N12850RU / N12850 / N16850 HDD/SSD Compatibility List**
 N12850RU N12850L no SAS HDD support.

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

Afaya SSD

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
HFD	HFD128GB	SATA 3.0Gb/s	128	-	-	2.03.08	2.5"	OK 2013/02/07

Samsung SSD

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
SSD 850 PRO	MZ-7KE128	SATA 6.0Gb/s	128	-	-	2.05.06	2.5"	OK 2014/12/16
SSD 850 PRO	MZ-7KE256	SATA 6.0Gb/s	256	-	-	2.05.06	2.5"	OK 2014/12/16
SSD 850 PRO	MZ-7KE512	SATA 6.0Gb/s	512	-	-	2.05.06	2.5"	OK 2014/12/16
SSD 850 PRO	MZ-7KE1T0	SATA 6.0Gb/s	1000	-	-	2.05.06	2.5"	OK 2014/12/16

OCZ SSD

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
VERTEX 4	VTX4-25SAT3-64G	SATA 6.0Gb/s	64	SSD	-	2.04.01.2	2.5"	OK 2013/09/30
VERTEX 4	VTX4-25SAT3-128G	SATA 6.0Gb/s	128	SSD	-	2.04.01.2	2.5"	OK 2013/09/30
VERTEX 4	VTX4-25SAT3-256G	SATA 6.0Gb/s	256	SSD	-	2.04.01.2	2.5"	OK 2013/09/30
VERTEX 4	VTX4-25SAT3-512G	SATA 6.0Gb/s	512	SSD	-	2.04.01.2	2.5"	OK 2013/09/30
ARC100	ARC100-25SAT3-480G	SATA 6.0Gb/s	480	SSD	-	2.04.06a	2.5"	OK 2014/08/22
ARC100	ARC100-25SAT3-240G	SATA 6.0Gb/s	240	SSD	-	2.04.06a	2.5"	OK 2014/08/22
ARC100	ARC100-25SAT3-120G	SATA 6.0Gb/s	120	SSD	-	2.04.06a	2.5"	OK 2014/08/22

Thecus® N8900 / N8900V / N12000V / N16000V / N12000PRO / N16000PRO /
 Subsidiary of Innocomm **N12850L / N12850RU / N12850 / N16850 HDD/SSD Compatibility List**

N12850RU N12850L no SAS HDD support.

HGST								
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
Deskstar 7K4000	HDS724040ALE640	SATA 6.0Gb/s	4000	7200	64	2.02.02	3.5"	OK 2012/07/06
Deskstar 7K3000	HDS723030ALA640	SATA 6.0Gb/s	3000	7200	64	2.00.03	3.5"	OK 2011/11/29
Deskstar 7K3000	HDS723020BLA642	SATA 6.0Gb/s	2000	7200	64	2.00.03	3.5"	OK 2011/11/29
Deskstar 7K3000	HDS723015BLA642	SATA 6.0Gb/s	1500	7200	64	2.00.03	3.5"	OK 2011/11/29
Deskstar 7K1000.C	HDS721010CLA332	SATA 3.0Gb/s	1000	7200	32	2.00.03	3.5"	OK 2011/11/29
Deskstar 7K1000.C	HDS721075CLA332	SATA 3.0Gb/s	750	7200	32	2.00.03	3.5"	OK 2011/11/29
Deskstar 7K1000.C	HDS721064CLA332	SATA 3.0Gb/s	640	7200	32	2.00.03	3.5"	OK 2011/11/29
Deskstar 7K1000.C	HDS721050CLA362	SATA 3.0Gb/s	500	7200	16	2.00.03	3.5"	OK 2011/11/29
Deskstar 7K1000.C	HDS721032CLA362	SATA 3.0Gb/s	320	7200	16	2.00.03	3.5"	OK 2011/11/29
Deskstar 7K1000.C	HDS721025CLA382	SATA 3.0Gb/s	250	7200	8	2.00.03	3.5"	OK 2011/11/29
Deskstar 7K1000.C	HDS721016CLA382	SATA 3.0Gb/s	160	7200	8	2.00.03	3.5"	OK 2011/11/29
Deskstar 5K3000	HDS5C3030ALA630	SATA 6.0Gb/s	3000	CoolSpin	32	2.00.03	3.5"	OK 2011/11/29
Deskstar 5K3000	HDS5C3020ALA632	SATA 6.0Gb/s	2000	CoolSpin	32	2.00.03	3.5"	OK 2011/11/29
Deskstar 5K3000	HDS5C3015ALA632	SATA 6.0Gb/s	1500	CoolSpin	32	2.00.03	3.5"	OK 2011/11/29
Deskstar	H3IK40003254SA	SATA 6.0Gb/s	4000	CoolSpin	32	2.05.04	3.5"	OK 2014/10/01
Travelstar 5K1000	HTS541010A9E680	SATA 6.0Gb/s	1000	5400	8	2.03.08	2.5"	OK 2012/12/21
Travelstar 5K1000	HTS541075A9E680	SATA 6.0Gb/s	750	5400	8	2.03.08	2.5"	OK 2012/12/21
Travelstar 5K1000	HTS541064A9E680	SATA 6.0Gb/s	640	5400	8	2.03.08	2.5"	OK 2012/12/21
Travelstar 5K1500	HTS541515A9E630	SATA 6.0Gb/s	1500	5400	32	2.04.01	2.5"	OK 2013/12/03
MegaScale 4000	HMS5C4040ALE640	SATA 6.0Gb/s	4000	5700	64	2.03.08	3.5"	OK 2013/02/26
Deskstar NAS	HDN724040ALE640	SATA 6.0Gb/s	4000	7200	64	2.04.05b	3.5"	OK 2014/03/31
Deskstar NAS	HDN724030ALE640	SATA 6.0Gb/s	3000	7200	64	2.04.05b	3.5"	OK 2014/03/31
Deskstar NAS	HDN726060ALE610	SATA 6.0Gb/s	6000	7200	128	2.04.06	3.5"	OK 2014/12/02
Deskstar NAS	HDN726050ALE610	SATA 6.0Gb/s	5000	7200	128	2.04.06	3.5"	OK 2014/12/02

MemoRight SSD								
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
Commercial Series	FTM Plus	SATA 6.0Gb/s	480	SSD		2.00.03	2.5"	OK 2011/12/13
Commercial Series	FTM Plus	SATA 6.0Gb/s	240	SSD		2.00.03	2.5"	OK 2011/12/13
Commercial Series	FTM Plus	SATA 6.0Gb/s	120	SSD		2.00.03	2.5"	OK 2011/12/13
Commercial Series	FTM Plus	SATA 6.0Gb/s	60	SSD		2.00.03	2.5"	OK 2011/12/13

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 Subsidiary of Innocom N12850L / N12850RU / N12850 / N16850 HDD/SSD Compatibility List

N12850RU N12850L no SAS HDD support.

Seagate								
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
SkyHawk	ST10000VX0004	SATA 6.0Gb/s	10000	7200	256	2.05.14.4	3.5"	OK 2016/08/25
SkyHawk	ST3000VX010	SATA 6.0Gb/s	3000	7200	64	2.05.14.4	3.5"	OK 2016/08/25
SkyHawk	ST2000VX008	SATA 6.0Gb/s	2000	7200	64	2.05.14.4	3.5"	OK 2016/08/25
SkyHawk	ST1000VX005	SATA 6.0Gb/s	1000	7200	64	2.05.14.4	3.5"	OK 2016/08/25
IronWolf	ST10000VN0004	SATA 6.0Gb/s	10000	7200	256	2.05.14.4	3.5"	OK 2016/07/19
IronWolf	ST10000VN0014	SATA 6.0Gb/s	10000	7200	256	2.05.14.4	3.5"	OK 2016/07/19
Barracuda XT	ST4000DX000	SATA 6.0Gb/s	4000	7200	64	2.01.01	3.5"	OK 2012/02/21
Barracuda XT	ST33000651AS	SATA 6.0Gb/s	3000	7200	64	2.00.03	3.5"	OK 2011/11/29
Barracuda XT	ST32000641AS	SATA 6.0Gb/s	2000	7200	64	2.00.03	3.5"	OK 2011/11/29
Barracuda	ST3000DM001	SATA 6.0Gb/s	3000	7200	64	2.00.03	3.5"	OK 2011/11/29 (*10)
Barracuda	ST2000DM001	SATA 6.0Gb/s	2000	7200	64	2.00.03	3.5"	OK 2011/11/29 (*10)
Barracuda	ST1500DM003	SATA 6.0Gb/s	1500	7200	64	2.01.01	3.5"	OK 2012/02/13
Barracuda	ST1000DM003	SATA 6.0Gb/s	1000	7200	64	2.01.01	3.5"	OK 2012/02/13 (*10)
Barracuda	ST750DM003	SATA 6.0Gb/s	750	7200	64	2.01.01	3.5"	OK 2012/02/13
Barracuda	ST500DM002	SATA 6.0Gb/s	500	7200	16	2.00.03	3.5"	OK 2011/11/29
Barracuda	ST320DM000	SATA 6.0Gb/s	320	7200	16	2.01.01	3.5"	OK 2012/02/13
Barracuda	ST250DM000	SATA 6.0Gb/s	250	7200	16	2.01.01	3.5"	OK 2012/02/13
Barracuda 7200.12	ST31000528AS	SATA 3.0Gb/s	1000	7200	32	2.00.03	3.5"	OK 2011/11/29
Barracuda 7200.12	ST3750528AS	SATA 3.0Gb/s	750	7200	32	2.00.03	3.5"	OK 2011/11/29
Barracuda 7200.12	ST3500418AS	SATA 3.0Gb/s	500	7200	16	2.00.03	3.5"	OK 2011/11/29
Barracuda 7200.12	ST3500410AS	SATA 3.0Gb/s	500	7200	16	2.00.03	3.5"	OK 2011/11/29
Barracuda 7200.12	ST3320418AS	SATA 3.0Gb/s	320	7200	16	2.00.03	3.5"	OK 2011/11/29
Barracuda 7200.12	ST3250318AS	SATA 3.0Gb/s	250	7200	8	2.00.03	3.5"	OK 2011/11/29
Barracuda 7200.12	ST3160318AS	SATA 3.0Gb/s	160	7200	8	2.00.03	3.5"	OK 2011/11/29
Video 3.5 HDD	ST4000VM000	SATA 6.0Gb/s	4000	5900	64	2.04.05	3.5"	OK 2014/03/24
Video 3.5 HDD	ST3000VM002	SATA 6.0Gb/s	3000	5900	64	2.04.05c	3.5"	OK 2014/06/09
Video 3.5 HDD	ST2000VM003	SATA 6.0Gb/s	2000	5900	64	2.04.05c	3.5"	OK 2014/06/09
Video 3.5 HDD	ST1000VM002	SATA 6.0Gb/s	1000	5900	64	2.04.05c	3.5"	OK 2014/06/09
Video 3.5 HDD	ST3500312CS	SATA 3.0Gb/s	500	5900	8	2.04.05	3.5"	OK 2014/03/24
Video 3.5 HDD	ST3320311CS	SATA 3.0Gb/s	320	5900	8	2.04.05	3.5"	OK 2014/03/24
Video 3.5 HDD	ST3250312CS	SATA 3.0Gb/s	250	5900	8	2.04.05	3.5"	OK 2014/03/24

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		N12850RU N12850L no SAS HDD support.						
Surveillance HDD	ST3000VX006	SATA 6.0Gb/s	3000	5900	64	2.05.06	3.5"	OK 2015/01/05
Surveillance HDD	ST3000VX005	SATA 6.0Gb/s	3000	5900	64	2.05.06	3.5"	OK 2015/01/05
Surveillance HDD	ST2000VX003	SATA 6.0Gb/s	2000	5900	64	2.05.06	3.5"	OK 2015/01/05
Surveillance HDD	ST2000VX005	SATA 6.0Gb/s	2000	5900	64	2.05.06	3.5"	OK 2015/01/05
Surveillance HDD	ST1000VX001	SATA 6.0Gb/s	1000	5900	64	2.05.06	3.5"	OK 2015/01/05
Surveillance HDD	ST1000VX003	SATA 6.0Gb/s	2000	5900	64	2.05.06	3.5"	OK 2015/01/05
Desktop.15	ST4000DM000	SATA 6.0Gb/s	4000	-	64	2.03.09	3.5"	OK 2013/05/06
NAS HDD	ST2000VN000	SATA 6.0Gb/s	2000	5900	64	2.04.05c	3.5"	OK 2014/06/10
NAS HDD	ST6000VN0021	SATA 6.0Gb/s	6000	7200	128	2.05.12	3.5"	OK 2015/09/30 (*13)
NAS HDD	ST6000VN0031	SATA 6.0Gb/s	6000	7200	128	2.05.12	3.5"	OK 2015/09/30 (*13)
NAS HDD	ST4000VN000	SATA 6.0Gb/s	4000	7200	64	2.05.14	3.5"	OK 2016/06/27
NAS HDD	ST4000VN003	SATA 6.0Gb/s	4000	7200	64	2.05.14	3.5"	OK 2016/06/27
NAS HDD	ST3000VN000	SATA 6.0Gb/s	3000	7200	64	2.05.14	3.5"	OK 2016/06/27
NAS HDD	ST2000VN000	SATA 6.0Gb/s	2000	7200	64	2.05.12	3.5"	OK 2015/12/31
NAS HDD	ST2000VN001	SATA 6.0Gb/s	2000	7200	64	2.05.12	3.5"	OK 2015/12/31
NAS HDD	ST1000VN000	SATA 6.0Gb/s	1000	7200	64	2.05.12.3	3.5"	OK 2016/02/23
NAS HDD	ST1000VN001	SATA 6.0Gb/s	1000	7200	64	2.05.12.3	3.5"	OK 2016/02/23

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 Subsidiary of Innocomm **N12850L / N12850RU / N12850 / N16850 HDD/SSD Compatibility List**

N12850RU N12850L no SAS HDD support.

Toshiba								
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
Desktop	DT01ACA300	SATA 6.0Gb/s	3000	7200	64	2.03.04	3.5"	OK 2012/09/19
Desktop	DT01ACA200	SATA 6.0Gb/s	2000	7200	64	2.03.04	3.5"	OK 2012/09/19
Desktop	DT01ACA100	SATA 6.0Gb/s	1000	7200	32	2.03.08	3.5"	OK 2013/01/02
Desktop	DT01ACA050	SATA 6.0Gb/s	500	7200	32	2.03.08	3.5"	OK 2013/01/02
Desktop	HDWD130XZSTA	SATA 6.0Gb/s	3000	7200	32	2.03.08	3.5"	OK 2015/11/30
Desktop	HDWD120XZSTA	SATA 6.0Gb/s	2000	7200	32	2.03.08	3.5"	OK 2015/11/30
Desktop	HDWD110XZSTA	SATA 6.0Gb/s	1000	7200	32	2.03.08	3.5"	OK 2015/11/30
Desktop	HDWD105XZSTA	SATA 6.0Gb/s	500	7200	32	2.03.08	3.5"	OK 2015/11/30
Desktop	HDWD130EZSTA	SATA 6.0Gb/s	3000	7200	32	2.03.08	3.5"	OK 2015/11/30
Desktop	HDWD120EZSTA	SATA 6.0Gb/s	2000	7200	32	2.03.08	3.5"	OK 2015/11/30
Desktop	HDWD110EZSTA	SATA 6.0Gb/s	1000	7200	32	2.03.08	3.5"	OK 2015/11/30
Desktop	HDWD105EZSTA	SATA 6.0Gb/s	500	7200	32	2.03.08	3.5"	OK 2015/11/30
Desktop	HDWD130AZSTA	SATA 6.0Gb/s	3000	7200	32	2.03.08	3.5"	OK 2015/11/30
Desktop	HDWD120AZSTA	SATA 6.0Gb/s	2000	7200	32	2.03.08	3.5"	OK 2015/11/30
Desktop	HDWD110AZSTA	SATA 6.0Gb/s	1000	7200	32	2.03.08	3.5"	OK 2015/11/30
Desktop	HDWD105AZSTA	SATA 6.0Gb/s	500	7200	32	2.03.08	3.5"	OK 2015/11/30
Desktop	HDWD130UZSVA	SATA 6.0Gb/s	3000	7200	32	2.03.08	3.5"	OK 2015/11/30
Desktop	HDWD120UZSVA	SATA 6.0Gb/s	2000	7200	32	2.03.08	3.5"	OK 2015/11/30
Desktop	HDWD110UZSVA	SATA 6.0Gb/s	1000	7200	32	2.03.08	3.5"	OK 2015/11/30
Desktop	HDWD105UZSVA	SATA 6.0Gb/s	500	7200	32	2.03.08	3.5"	OK 2015/11/30

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N12850RU N12850L no SAS HDD support.

Toshiba SSD

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
HG5d	THNSNH512GCST	SATA 6.0Gb/s	512	-	-	2.04.01	2.5"	OK 2013/06/21
HG5d	THNSNH256GCST	SATA 6.0Gb/s	256	-	-	2.04.01	2.5"	OK 2013/06/21
HG5d	THNSNH128GCST	SATA 6.0Gb/s	128	-	-	2.04.01	2.5"	OK 2013/06/21
HG5d	THNSNH060GCST	SATA 6.0Gb/s	60	-	-	2.04.01	2.5"	OK 2013/06/21

SanDisk

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
SanDisk X110	SD6SB1M1	SATA 6.0Gb/s	256			2.03.08	2.5"	OK 2013/04/12
SanDisk X110	SD6SB1M1	SATA 6.0Gb/s	128			2.03.08	2.5"	OK 2013/04/12
SanDisk X110	SD6SB1M1	SATA 6.0Gb/s	64			2.03.08	2.5"	OK 2013/04/12
SanDisk Ultra Plus	SDSSDH22	SATA 6.0Gb/s	256			2.03.08	2.5"	OK 2013/04/12
SanDisk Ultra Plus	SDSSDHP-128G	SATA 6.0Gb/s	128			2.03.08	2.5"	OK 2013/04/12
SanDisk Ultra Plus	SDSSDHP-064G	SATA 6.0Gb/s	64			2.03.08	2.5"	OK 2013/04/12

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N12850RU N12850L no SAS HDD support.

Crucial								
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
M4	M4-CT512M4SSD2	SATA 6.0Gb/s	512			2.03.08	2.5"	OK 2013/04/03
M4	M4-CT256M4SSD2	SATA 6.0Gb/s	256			2.03.08	2.5"	OK 2013/04/03
M4	M4-CT128M4SSD2	SATA 6.0Gb/s	128			2.03.08	2.5"	OK 2013/04/03
M4	M4-CT064M4SSD2	SATA 6.0Gb/s	64			2.03.08	2.5"	OK 2013/04/03
MX100	CT512MX100SSD1	SATA 6.0Gb/s	512	-	-	2.05.04	2.5"	OK 2014/10/13
MX100	CT256MX100SSD1	SATA 6.0Gb/s	256	-	-	2.05.04	2.5"	OK 2014/10/13
MX100	CT128MX100SSD1	SATA 6.0Gb/s	128	-	-	2.05.04	2.5"	OK 2014/10/13

Corsair								
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
NEUTRON	GTX	SATA 6.0Gb/s	120			2.03.08	2.5"	OK 2013/04/12
NEUTRON	GTX	SATA 6.0Gb/s	240			2.03.08	2.5"	OK 2013/04/12
NEUTRON	GTX	SATA 6.0Gb/s	480			2.03.08	2.5"	OK 2013/04/12
Force	GS	SATA 6.0Gb/s	128			2.03.08	2.5"	OK 2013/04/12
Force	GS	SATA 6.0Gb/s	180			2.03.08	2.5"	OK 2013/04/12
Force	GS	SATA 6.0Gb/s	240			2.03.08	2.5"	OK 2013/04/12
Force	GS	SATA 6.0Gb/s	360			2.03.08	2.5"	OK 2013/04/12
Force	GS	SATA 6.0Gb/s	480			2.03.08	2.5"	OK 2013/04/12

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 Subsidiary of Innocom N12850L / N12850RU / N12850 / N16850 HDD/SSD Compatibility List

N12850RU N12850L no SAS HDD support.

Western Digital									
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *	
WD Blue	WD10JPVT	SATA 3.0Gb/s	1000	5400	8	2.04.01	2.5"	OK 2013/06/26(*11)	
WD Blue	WD7500BPVT	SATA 3.0Gb/s	750	5400	8	2.04.01	2.5"	OK 2013/06/26(*11)	
WD Blue	WD5000BPVT	SATA 3.0Gb/s	500	5400	8	2.04.01	2.5"	OK 2013/06/26(*11)	
WD Blue	WD3200BPVT	SATA 3.0Gb/s	320	5400	8	2.04.01	2.5"	OK 2013/06/26(*11)	
WD Blue	WD2500BPVT	SATA 3.0Gb/s	250	5400	8	2.04.01	2.5"	OK 2013/06/26(*11)	
WD Blue	WD5000LPVT	SATA 3.0Gb/s	500	5400	8	2.04.01	2.5"	OK 2013/06/26(*11)	
WD Blue	WD3200LPVT	SATA 3.0Gb/s	320	5400	8	2.04.01	2.5"	OK 2013/06/26(*11)	
WD Blue	WD2500LPVT	SATA 3.0Gb/s	250	5400	8	2.04.01	2.5"	OK 2013/06/26(*11)	
WD Red	WD80EFZX	SATA 6.0Gb/s	8000	5400	128	2.05.14.4	3.5"	OK 2016/4/11 (*11, 12)	
WD Red	WD30EFRX	SATA 6.0Gb/s	3000	IntelliPower	64	2.04.01	3.5"	OK 2013/07/17(*11, 12)	
WD Red	WD20EFRX	SATA 6.0Gb/s	2000	IntelliPower	64	2.04.01	3.5"	OK 2013/07/17(*11, 12)	
WD Red	WD10EFRX	SATA 6.0Gb/s	1000	IntelliPower	64	2.04.01	3.5"	OK 2013/07/17(*11, 12)	
WD AV-25	WD10JUCT	SATA 3.0Gb/s	1000	5400	16	2.04.01	2.5"	OK 2013/06/26(*11)	
WD AV-25	WD5000LUCT	SATA 3.0Gb/s	500	5400	16	2.04.01	2.5"	OK 2013/06/26(*11)	
WD AV-25	WD5000BUCT	SATA 3.0Gb/s	500	5400	16	2.04.01	2.5"	OK 2013/06/26(*11)	
WD AV-25	WD3200BUCT	SATA 3.0Gb/s	320	5400	16	2.04.01	2.5"	OK 2013/06/26(*11)	
WD AV-25	WD2500BUCT	SATA 3.0Gb/s	250	5400	16	2.04.01	2.5"	OK 2013/06/26(*11)	
WD AV-25	WD1600BUCT	SATA 3.0Gb/s	160	5400	16	2.04.01	2.5"	OK 2013/06/26(*11)	
WD Purple	WD80PUZX	SATA 6.0Gb/s	8000	5400	128	2.05.14	3.5"	OK 2016/06/08	
WD Purple	WD60PURX	SATA 6.0Gb/s	6000	IntelliPower	64	2.05.04	3.5"	OK 2014/10/09	
WD Purple	WD40PURX	SATA 6.0Gb/s	4000	IntelliPower	64	2.05.04	3.5"	OK 2014/10/09	
WD Purple	WD30PURX	SATA 6.0Gb/s	3000	IntelliPower	64	2.05.04	3.5"	OK 2014/10/09	
WD Purple	WD20PURX	SATA 6.0Gb/s	2000	IntelliPower	64	2.05.04	3.5"	OK 2014/10/09	
WD Purple	WD10PURX	SATA 6.0Gb/s	1000	IntelliPower	64	2.05.04	3.5"	OK 2014/10/09	
WD Purple NV	WD6NPURX	SATA 6.0Gb/s	6000	IntelliPower	64	2.05.08.20150416	3.5"	OK 2015/09/14	
WD Purple NV	WD4NPURX	SATA 6.0Gb/s	4000	IntelliPower	64	2.05.08.20150416	3.5"	OK 2015/09/14	

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 N12850RU N12850L no SAS HDD support.

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

Seagate								
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
Archive HDD	ST8000AS0002	SATA 6.0Gb/s	8000	7200	128	-	3.5"	Not recommend (*16)
Archive HDD	ST6000AS0002	SATA 6.0Gb/s	6000	7200	128	-	3.5"	Not recommend (*16)
Archive HDD	ST5000AS0011	SATA 6.0Gb/s	5000	7200	128	-	3.5"	Not recommend (*16)

Western Digital								
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
WD Black	WD2002FAEX	SATA 6.0Gb/s	2000	7200	64		3.5"	Not recommend (*9)
WD Black	WD1502FAEX	SATA 6.0Gb/s	1500	7200	64		3.5"	Not recommend (*9)
WD Black	WD1002FAEX	SATA 6.0Gb/s	1000	7200	64		3.5"	Not recommend (*9)
WD Black	WD6402AAEX	SATA 6.0Gb/s	640	7200	64		3.5"	Not recommend (*9)
WD Black	WD2001FASS	SATA 3.0Gb/s	2000	7200	64		3.5"	Not recommend (*9)
WD Blue	WD10EALX	SATA 6.0Gb/s	1000	7200	32		3.5"	Not recommend (*9)
WD Blue	WD7500AALX	SATA 6.0Gb/s	750	7200	32		3.5"	Not recommend (*9)
WD Blue	WD5000AAKX	SATA 6.0Gb/s	500	7200	16		3.5"	Not recommend (*9)
WD Blue	WD10EALS	SATA 3.0Gb/s	1000	7200	32		3.5"	Not recommend (*9)
WD Green	WD20EARS	SATA 3.0Gb/s	2000	IntelliPower	64		3.5"	Not recommend (*9)
WD Green	WD15EARS	SATA 3.0Gb/s	1500	IntelliPower	64		3.5"	Not recommend (*9)
WD Green	WD10EARS	SATA 3.0Gb/s	1000	IntelliPower	64		3.5"	Not recommend (*9)
WD Green	WD20EADS	SATA 3.0Gb/s	2000	IntelliPower	32		3.5"	Not recommend (*9)
WD Green	WD15EADS	SATA 3.0Gb/s	1500	IntelliPower	32		3.5"	Not recommend (*9)
WD Green	WD10EADS	SATA 3.0Gb/s	1000	IntelliPower	32		3.5"	Not recommend (*9)
AV-GP	WD20EVDS	SATA 3.0Gb/s	2000	IntelliPower	32		3.5"	Not recommend (*9)

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N12850RU N12850L no SAS HDD support.

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>
 - Seagate ERC / CCTL
http://knowledge.seagate.com/articles/en_US/FAQ/203991en?language=en_US
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 EXT3 File System is limited to 8TB per volume. Use one of the following methods for larger RAID volumes:
 - 6.1 Use another File System (XFS, EXT4) that supports larger RAID volumes.
 - 6.2 Use multiple RAID volumes.
7. The OS5 X64 EXT4 File System support single RAID volume over 16TB.
8. The XFS file system has no upward limit on volume size.
9. WD has suggested not to use the desktop consumer hard disk in business-critical RAID environments because the drives may not work correctly.
For more detail, please refer to http://wdc.custhelp.com/app/answers/detail/a_id/1397
10. For Seagate ST3000DM001, ST2000DM001, ST1500DM003 & ST1000DM003 series with part number 9YN16x, please confirm the HDD firmware been updated or check from the Download Finder.
 - *http://knowledge.seagate.com/articles/en_US/FAQ/223651en
 - * https://apps1.seagate.com/downloads/request.html?userPreferredLocaleCookie=en_US_
11. The hard disks have passed Thecus lab's initial verification of compatibility.
However, HDD manufacturer 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
12. WD Red Netowrk Hard Drive is designed for consumer RAID products (1~5 bays), thus recommend the RACK/NAS total HDD below 5 HDDs.
13. Certain 6TB or above drives have been designed with new screw hole placements but are still compatible with current HDD trays.
Please contact your local distributor or Thecus Support directly for more infromation.
14. It is K4N HDD. (4K native)
15. N12850RU & N12850L without SAS HDD suppot.
16. Unsupported SMR HDD, even it working well in the beginning, but would suffer issues in the long run.