

N5810 Series HDD/SSD Compatibility List

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

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	-	2.05.12.3	2.5"	OK 2016/03/08

Apacer SSD

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
SAFD 25P-M	APS25P6B512G-DCM	SATA 3.0Gb/s	512	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
SAFD 25P-M	APS25P6B256G-DCM	SATA 3.0Gb/s	256	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
SAFD 25P-M	APS25P6B128G-DCM	SATA 3.0Gb/s	128	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
SAFD 25P-M	APS25P6B064G-DCM	SATA 3.0Gb/s	64	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
SAFD 25P-M	APS25P6B032G-DCM	SATA 3.0Gb/s	32	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
SAFD 25P-M	APS25P6B016G-DCM	SATA 3.0Gb/s	16	SSD	-	2.05.12.3	2.5"	OK 2016/03/08

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	-	2.05.12.3	2.5"	OK 2016/03/08
520 Series	SSDSC2CW240A3	SATA 6.0Gb/s	240	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
520 Series	SSDSC2CW180A3	SATA 6.0Gb/s	180	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
520 Series	SSDSC2CW120A3	SATA 6.0Gb/s	120	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
520 Series	SSDSC2CW060A3	SATA 6.0Gb/s	60	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
S3500 Series	SSDSC2BB080	SATA 6.0Gb/s	80	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
S3500 Series	SSDSC2BB120	SATA 6.0Gb/s	120	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
S3500 Series	SSDSC2BB160	SATA 6.0Gb/s	160	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
S3500 Series	SSDSC2BB240	SATA 6.0Gb/s	240	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
S3500 Series	SSDSC2BB300	SATA 6.0Gb/s	300	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
S3500 Series	SSDSC2BB480	SATA 6.0Gb/s	480	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
S3500 Series	SSDSC2BB600	SATA 6.0Gb/s	600	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
S3500 Series	SSDSC2BB800	SATA 6.0Gb/s	800	SSD	-	2.05.12.3	2.5"	OK 2016/03/08

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OCZ SSD

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated
Deneva2 C	D2CSTK251A20-0480	SATA 6.0Gb/s	480	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
Deneva2 C	D2CSTK251A20-0360	SATA 6.0Gb/s	360	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
Deneva2 C	D2CSTK251A20-0240	SATA 6.0Gb/s	240	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
Deneva2 C	D2CSTK251A20-0180	SATA 6.0Gb/s	180	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
Deneva2 C	D2CSTK251A20-0120	SATA 6.0Gb/s	120	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
Deneva2 C	D2CSTK251A20-0060	SATA 6.0Gb/s	60	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
VECTOR	VTR1-25SAT3-128G	SATA 6.0Gb/s	128	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
VECTOR	VTR1-25SAT3-256G	SATA 6.0Gb/s	256	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
VECTOR	VTR1-25SAT3-512G	SATA 6.0Gb/s	512	SSD	-	2.05.12.3	2.5"	OK 2016/03/08

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	-	2.05.12.3	2.5"	OK 2016/03/08
M5 Pro	PX-256M5	SATA 6.0Gb/s	256	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
M5 Pro	PX-128M5	SATA 6.0Gb/s	128	SSD	-	2.05.12.3	2.5"	OK 2016/03/08

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	-	2.05.12.3	2.5"	OK 2016/03/08
SSD720	TS256GSSD720	SATA 6.0Gb/s	256	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
SSD720	TS128GSSD720	SATA 6.0Gb/s	128	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
SSD720	TS64GSSD720	SATA 6.0Gb/s	64	SSD	-	2.05.12.3	2.5"	OK 2016/03/08

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HGST								
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
Ultrastar He12	HUH721212ALE600	SATA 6.0Gb/s	12000	7200	256	3.02.02.6	3.5"	OK 2017/10/03
Ultrastar He12	HUH721212ALE604	SATA 6.0Gb/s	12000	7200	256	3.02.02.6	3.5"	OK 2017/10/03
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
HGST He8	HUH728080ALE600	SATA 6.0Gb/s	8000	7200	128	2.05.08.3	3.5"	OK 2015/08/28 (9)
HGST He8	HUH728060ALE600	SATA 6.0Gb/s	6000	7200	128	2.05.08.3	3.5"	OK 2015/08/28 (9)
Ultrastar 7K6	HUS726T6TALE6L4	SATA 6.0Gb/s	6000	7200	256	2.06.02.11	2.5"	OK 2018/04/17
Ultrastar 7K6	HUS726T4TALE6L4	SATA 6.0Gb/s	4000	7200	256	2.06.02.11	2.5"	OK 2018/04/17
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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Seagate								
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
IronWolf Pro	ST12000NE0007	SATA 6.0Gb/s	12000	7200	256	3.02.02.6	3.5"	OK 2017/10/03
IronWolf Pro	ST10000NE0004	SATA 6.0Gb/s	10000	7200	256	3.02.02.6	3.5"	OK 2017/10/03
IronWolf Pro	ST8000NE0004	SATA 6.0Gb/s	8000	7200	256	2.05.14.4	3.5"	OK 2016/12/28
IronWolf Pro	ST8000NE0021	SATA 6.0Gb/s	8000	7200	256	2.05.14.4	3.5"	OK 2016/12/28
IronWolf Pro	ST6000NE0001	SATA 6.0Gb/s	6000	7200	256	2.05.14.4	3.5"	OK 2016/12/28
IronWolf Pro	ST6000NE0011	SATA 6.0Gb/s	6000	7200	256	2.05.14.4	3.5"	OK 2016/12/28
IronWolf Pro	ST6000NE0021	SATA 6.0Gb/s	6000	7200	256	2.05.14.4	3.5"	OK 2016/12/28
IronWolf Pro	ST6000NE0023	SATA 6.0Gb/s	6000	7200	128	2.05.14.4	3.5"	OK 2016/10/17
IronWolf Pro	ST4000NE0025	SATA 6.0Gb/s	4000	7200	256	2.05.14.4	3.5"	OK 2016/10/17
IronWolf Pro	ST2000NE0025	SATA 6.0Gb/s	2000	7200	128	2.05.14.4	3.5"	OK 2016/10/17
Enterprise Capacity	ST4000NM0035	SATA 6.0Gb/s	4000	7200	128	2.06.02.6	3.5"	OK 2017/05/19
Enterprise Capacity	ST4000NM0045	SATA 6.0Gb/s	4000	7200	128	2.06.02.6	3.5"	OK 2017/05/19
Enterprise Capacity	ST4000NM0105	SATA 6.0Gb/s	4000	7200	128	2.06.02.6	3.5"	OK 2017/05/19
Enterprise Capacity	ST3000NM0005	SATA 6.0Gb/s	3000	7200	128	2.06.02.6	3.5"	OK 2017/05/19
Enterprise Capacity	ST3000NM0015	SATA 6.0Gb/s	3000	7200	128	2.06.02.6	3.5"	OK 2017/05/19
Enterprise Capacity	ST3000NM0055	SATA 6.0Gb/s	3000	7200	128	2.06.02.6	3.5"	OK 2017/05/19
Enterprise Capacity	ST2000NM0055	SATA 6.0Gb/s	2000	7200	128	2.06.02.6	3.5"	OK 2017/05/19
Enterprise Capacity	ST2000NM0065	SATA 6.0Gb/s	2000	7200	128	2.06.02.6	3.5"	OK 2017/05/19
Enterprise Capacity	ST1000NM0055	SATA 6.0Gb/s	1000	7200	128	2.06.02.6	3.5"	OK 2017/05/19
Enterprise Capacity	ST1000NM0065	SATA 6.0Gb/s	1000	7200	128	2.06.02.6	3.5"	OK 2017/05/19
Constellation ES.3	ST6000NM0024	SATA 6.0Gb/s	6000	7200	128	2.05.08.3	3.5"	OK 2015/08/28 (9)
Constellation ES.3	ST5000NM0024	SATA 6.0Gb/s	5000	7200	128	2.05.08.3	3.5"	OK 2015/08/28
Constellation ES.3	ST4000NM0024	SATA 6.0Gb/s	4000	7200	128	2.05.08.3	3.5"	OK 2015/08/28
Constellation ES.3	ST2000NM0024	SATA 6.0Gb/s	2000	7200	128	2.05.08.3	3.5"	OK 2015/08/28
Terascale HDD	ST4000NC000	SATA 6.0Gb/s	4000	5900	64	2.05.08.3	3.5"	OK 2015/08/28
Terascale HDD	ST4000NC001	SATA 6.0Gb/s	4000	5900	64	2.05.08.3	3.5"	OK 2015/08/28

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Video HDD	ST4000VM000	SATA 6.0Gb/s	4000	5900	64	2.05.08.3	3.5"	OK 2015/08/28
Video HDD	ST3000VM002	SATA 6.0Gb/s	3000	5900	64	2.05.08.3	3.5"	OK 2015/08/28
Video HDD	ST2000VM003	SATA 6.0Gb/s	2000	5900	64	2.05.08.3	3.5"	OK 2015/08/28
Video HDD	ST1000VM002	SATA 6.0Gb/s	1000	5900	64	2.05.08.3	3.5"	OK 2015/08/28
Enterprise NAS HDD	ST6000VN0001	SATA 6.0Gb/s	6000	7200	128	2.05.08.3	3.5"	OK 2015/03/12
Enterprise NAS HDD	ST5000VN0001	SATA 6.0Gb/s	5000	7200	128	2.05.08.3	3.5"	OK 2015/03/12
Enterprise NAS HDD	ST4000VN0001	SATA 6.0Gb/s	4000	7200	128	2.05.08.3	3.5"	OK 2015/03/12
Enterprise NAS HDD	ST3000VN0001	SATA 6.0Gb/s	3000	7200	128	2.05.08.3	3.5"	OK 2015/03/12
Enterprise NAS HDD	ST2000VN0001	SATA 6.0Gb/s	2000	7200	128	2.05.08.3	3.5"	OK 2015/03/12
Enterprise NAS HDD	ST6000VN0011	SATA 6.0Gb/s	6000	7200	128	2.05.08.3	3.5"	OK 2015/03/12
Enterprise NAS HDD	ST5000VN0011	SATA 6.0Gb/s	5000	7200	128	2.05.08.3	3.5"	OK 2015/03/12
Enterprise NAS HDD	ST4000VN0011	SATA 6.0Gb/s	4000	7200	128	2.05.08.3	3.5"	OK 2015/03/12
Enterprise NAS HDD	ST3000VN0011	SATA 6.0Gb/s	3000	7200	128	2.05.08.3	3.5"	OK 2015/03/12
Enterprise NAS HDD	ST2000VN0011	SATA 6.0Gb/s	2000	7200	128	2.05.08.3	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 (*9*10)
Enterprise HDD	ST6000NM0065	SATA 6.0Gb/s	6000	7200	256	2.05.12	3.5"	OK 2015/09/30 (*9*10)
Enterprise HDD	ST8000NE0001	SATA 6.0Gb/s	8000	7200	256	2.05.12	3.5"	OK 2015/11/30 (*9*10)
Enterprise HDD	ST8000NE0011	SATA 6.0Gb/s	6000	7200	256	2.05.12	3.5"	OK 2015/11/30 (*9*10)
Enterprise NAS HDD	ST8000VN0002	SATA 6.0Gb/s	8000	7200	256	2.05.12	3.5"	OK 2015/12/31 (*9*10)
Enterprise NAS HDD	ST8000VN0012	SATA 6.0Gb/s	8000	7200	256	2.05.12	3.5"	OK 2015/12/31 (*9*10)
Enterprise NAS HDD	ST6000VN0021	SATA 6.0Gb/s	6000	7200	256	2.05.12	3.5"	OK 2015/12/31 (*9*10)
Enterprise NAS HDD	ST6000VN0031	SATA 6.0Gb/s	6000	7200	256	2.05.12	3.5"	OK 2015/12/31 (*9*10)
Enterprise NAS HDD	ST6000NE0003	SATA 6.0Gb/s	6000	7200	256	2.05.14.4	3.5"	OK 2016/10/17
Enterprise NAS HDD	ST4000NE0015	SATA 6.0Gb/s	4000	7200	128	2.05.14.4	3.5"	OK 2016/10/17
Enterprise NAS HDD	ST2000NE0015	SATA 6.0Gb/s	2000	7200	128	2.05.14.4	3.5"	OK 2016/10/17

Toshiba

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
MG04	MG04ACA400N	SATA 6.0Gb/s	4000	7200	128	3.02.02.6	3.5"	OK 2017/10/03
MG04	MG04ACA200N	SATA 6.0Gb/s	2000	7200	128	3.02.02.6	3.5"	OK 2017/10/03
MG04	MG04ACA100N	SATA 6.0Gb/s	1000	7200	128	3.02.02.6	3.5"	OK 2017/10/03
MG05ACAx00E	MG05ACA800E	SATA 6.0Gb/s	8000	7200	128	2.05.14.4	3.5"	OK 2016/12/28
MG05ACAx00E	MG05ACA600E	SATA 6.0Gb/s	6000	7200	128	2.05.14.4	3.5"	OK 2016/12/28

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Western Digital

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
Ultrastar DC HC520	HUH721212ALE600	SATA 6.0Gb/s	12000	7200	256	2.06.02.10	3.5"	OK 2017/10/03
Ultrastar DC HC520	HUH721212ALE604	SATA 6.0Gb/s	12000	7200	256	2.06.02.10	3.5"	OK 2017/10/03
Ultrastar DC HC510	HUH721010ALE604	SATA 6.0Gb/s	10000	7200	256	2.05.14	3.5"	OK 2016/08/25
Ultrastar DC HC510	HUH721010ALE600	SATA 6.0Gb/s	10000	7200	256	2.05.14	3.5"	OK 2016/08/25
Ultrastar DC HC510	HUH721008ALE600	SATA 6.0Gb/s	8000	7200	256	2.05.14	3.5"	OK 2016/08/25
Ultrastar DC HC310	HUS726T6TALE6L4	SATA 6.0Gb/s	6000	7200	256	2.06.02.11	2.5"	OK 2018/04/17
Ultrastar DC HC310	HUS726T4TALE6L4	SATA 6.0Gb/s	4000	7200	256	2.06.02.11	2.5"	OK 2018/04/17
WD Gold	WD121KRYZ	SATA 6.0Gb/s	12000	7200	256	3.02.02.6	3.5"	OK 2017/10/03
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
WD Gold	WD2004FBYZ	SATA 6.0Gb/s	2000	7200	128	2.05.14.4	3.5"	OK 2016/10/17
WD Gold	WD1004FBYZ	SATA 6.0Gb/s	1000	7200	128	2.05.14.4	3.5"	OK 2016/10/17
WD SE	WD4000F9YZ	SATA 6.0Gb/s	4000	7200	64	2.05.08.3	3.5"	OK 2015/08/28
WD SE	WD3000F9YZ	SATA 6.0Gb/s	3000	7200	64	2.05.08.3	3.5"	OK 2015/08/28
WD SE	WD2000F9YZ	SATA 6.0Gb/s	2000	7200	64	2.05.08.3	3.5"	OK 2015/08/28
WD SE	WD1002F9YZ	SATA 6.0Gb/s	1000	1000	128	2.05.08.3	3.5"	OK 2015/08/28
WD RED PRO	WD101KFBX	SATA 6.0Gb/s	10000	7200	256	2.06.02.6	3.5"	OK 2017/05/19
WD RED PRO	WD8001FFWX	SATA 6.0Gb/s	8000	7200	128	2.05.14.4	3.5"	OK 2016/07/21
WD RED PRO	WD6003FEBX	SATA 6.0Gb/s	6000	7200	256	2.06.02.11	3.5"	OK 2018/04/17
WD RED PRO	WD4003FEBX	SATA 6.0Gb/s	4000	7200	256	2.06.02.11	3.5"	OK 2018/04/17
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	2.05.08.3	3.5"	OK 2015/08/28 (9)
WD RED PRO	WD5001FFWX	SATA 6.0Gb/s	5000	7200	128	2.05.08.3	3.5"	OK 2015/08/28
WD RED PRO	WD4001FFSX	SATA 6.0Gb/s	4000	7200	64	2.05.08.3	3.5"	OK 2015/08/28
WD RED PRO	WD3001FFSX	SATA 6.0Gb/s	3000	7200	64	2.05.08.3	3.5"	OK 2015/08/28
WD RED PRO	WD2001FFSX	SATA 6.0Gb/s	2000	7200	64	2.05.08.3	3.5"	OK 2015/08/28

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WD Purple	WD6NPURX	SATA 6.0Gb/s	6000	IntelliPower™	64	2.05.08.3	3.5"	OK 2015/08/28 (9)
WD Purple	WD4NPURX	SATA 6.0Gb/s	4000	IntelliPower™	64	2.05.08.3	3.5"	OK 2015/08/28
WD RED PRO	WD2002FFSX	SATA 6.0Gb/s	2000	7200	64	2.05.12	3.5"	OK 2015/11/13
WD RE	WD2005FBYZ	SATA 6.0Gb/s	2000	7200	128	2.05.14.4	3.5"	OK 2016/10/17
WD RE	WD1005FBYZ	SATA 6.0Gb/s	1000	7200	128	2.05.14.4	3.5"	OK 2016/10/17

N5810 Series HDD/SSD Compatibility List

Consumer:	(note 2)
Environment:	Small office / Home
Availability:	8 Hours / day
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	SSD	-	2.05.12.3	2.5"	OK 2016/03/08

Apacer SSD

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
Apacer Industrial	APS25P6B128G-DCM	SATA 3.0Gb/s	128	SSD	-	2.05.12.3	2.5"	OK 2016/03/08

CORSAIR SSD

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
Neutron Series GTX	120GB	SATA 6.0Gb/s	120	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
Neutron Series GTX	240GB	SATA 6.0Gb/s	240	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
Neutron Series GTX	480GB	SATA 6.0Gb/s	480	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
Force Series GS	128GB	SATA 6.0Gb/s	128	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
Force Series GS	180GB	SATA 6.0Gb/s	180	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
Force Series GS	240GB	SATA 6.0Gb/s	240	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
Force Series GS	360GB	SATA 6.0Gb/s	360	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
Force Series GS	480GB	SATA 6.0Gb/s	480	SSD	-	2.05.12.3	2.5"	OK 2016/03/08

N5810 Series HDD/SSD Compatibility List

CRUCIAL SSD

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
MX100	CT512MX100SSD1	SATA 6.0Gb/s	512	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
MX100	CT256MX100SSD1	SATA 6.0Gb/s	256	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
MX100	CT128MX100SSD1	SATA 6.0Gb/s	128	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
M4 SATA	CT512M4SSD2	SATA 6.0Gb/s	512	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
M4 SATA	CT256M4SSD2	SATA 6.0Gb/s	256	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
M4 SATA	CT128M4SSD2	SATA 6.0Gb/s	128	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
M4 SATA	CT064M4SSD2	SATA 6.0Gb/s	64	SSD	-	2.05.12.3	2.5"	OK 2016/03/08

HGST

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
Deskstar	HDN721010ALE604	SATA 6.0Gb/s	10000	7200	256	2.06.02.6	3.5"	OK 2017/09/01
Deskstar	HDN728080ALE604	SATA 6.0Gb/s	8000	7200	128	2.06.02.6	3.5"	OK 2017/09/01
Deskstar NAS	HDN728080ALE604	SATA 6.0Gb/s	8000	7200	128	2.06.02.6	3.5"	OK 2017/05/19
Deskstar NAS	H31KNAS800012872SM	SATA 6.0Gb/s	8000	7200	128	2.06.02.6	3.5"	OK 2017/05/19

N5810 Series HDD/SSD Compatibility List

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	-	2.05.12.3	2.5"	OK 2016/03/08
Commercial Series	FTM Plus	SATA 6.0Gb/s	240	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
Commercial Series	FTM Plus	SATA 6.0Gb/s	120	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
Commercial Series	FTM Plus	SATA 6.0Gb/s	60	SSD	-	2.05.12.3	2.5"	OK 2016/03/08

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	-	2.05.12.3	2.5"	OK 2016/03/08
VERTEX 4	VTX4-25SAT3-128G	SATA 6.0Gb/s	128	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
VERTEX 4	VTX4-25SAT3-256G	SATA 6.0Gb/s	256	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
VERTEX 4	VTX4-25SAT3-512G	SATA 6.0Gb/s	512	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
ARC100	ARC100-25SAT3-480G	SATA 6.0Gb/s	480	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
ARC100	ARC100-25SAT3-240G	SATA 6.0Gb/s	240	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
ARC100	ARC100-25SAT3-120G	SATA 6.0Gb/s	120	SSD	-	2.05.12.3	2.5"	OK 2016/03/08

Samsung SSD

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
SSD 850 PRO	MZ-7KE1T0	SATA 6.0Gb/s	1000	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
SSD 850 PRO	MZ-7KE512	SATA 6.0Gb/s	512	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
SSD 850 PRO	MZ-7KE256	SATA 6.0Gb/s	256	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
SSD 850 PRO	MZ-7KE128	SATA 6.0Gb/s	128	SSD	-	2.05.12.3	2.5"	OK 2016/03/08

N5810 Series HDD/SSD Compatibility List

SanDisk SSD

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	SSD		2.05.12.3	2.5"	OK 2016/03/08
SanDisk X110	SD6SB1M1	SATA 6.0Gb/s	128	SSD		2.05.12.3	2.5"	OK 2016/03/08
SanDisk X110	SD6SB1M1	SATA 6.0Gb/s	64	SSD		2.05.12.3	2.5"	OK 2016/03/08
SanDisk Ultra Plus	SDSSDH22	SATA 6.0Gb/s	256	SSD		2.05.12.3	2.5"	OK 2016/03/08
SanDisk Ultra Plus	SDSSDHP-128G	SATA 6.0Gb/s	128	SSD		2.05.12.3	2.5"	OK 2016/03/08
SanDisk Ultra Plus	SDSSDHP-064G	SATA 6.0Gb/s	64	SSD		2.05.12.3	2.5"	OK 2016/03/08

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	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
HG5d	THNSNH256GCST	SATA 6.0Gb/s	256	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
HG5d	THNSNH128GCST	SATA 6.0Gb/s	128	SSD	-	2.05.12.3	2.5"	OK 2016/03/08
HG5d	THNSNH60GCST	SATA 6.0Gb/s	60	SSD	-	2.05.12.3	2.5"	OK 2016/03/08

WD SSD

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
WD BLUE	WDS200T2B0A	SATA 6.0Gb/s	2000	SSD	-	2.06.02.11	2.5"	OK 2018/04/017
WD BLUE	WDS100T2B0A	SATA 6.0Gb/s	1000	SSD	-	2.06.02.11	2.5"	OK 2018/04/017
WD BLUE	WDS500G2B0A	SATA 6.0Gb/s	500	SSD	-	2.06.02.11	2.5"	OK 2018/04/017
WD BLUE	WDS250G2B0A	SATA 6.0Gb/s	250	SSD	-	2.06.02.11	2.5"	OK 2018/04/017

Toshiba

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
NAS	MN05ACA800	SATA 6.0Gb/s	8000	7200	128	2.06.02.10	3.5"	OK 2017/06/23
NAS	MN05ACA600	SATA 6.0Gb/s	6000	7200	128	2.06.02.10	3.5"	OK 2017/06/23
NAS	MN05ACA400	SATA 6.0Gb/s	4000	7200	128	2.06.02.10	3.5"	OK 2017/06/23
NAS	MN04ACA400	SATA 6.0Gb/s	4000	7200	128	2.06.02.10	3.5"	OK 2017/06/23

N5810 Series HDD/SSD Compatibility List

Seagate								
Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
IronWolf	ST12000VN0007	SATA 6.0Gb/s	12000	7200	256	3.02.02.6	3.5"	OK 2017/10/03
IronWolf	ST10000VN0004	SATA 6.0Gb/s	10000	7200	256	3.02.02.6	3.5"	OK 2017/10/03
IronWolf	ST8000VN0022	SATA 6.0Gb/s	8000	7200	256	2.05.12	3.5"	OK 2015/12/31
IronWolf	ST6000VN0033	SATA 6.0Gb/s	6000	7200	256	2.06.02.10	3.5"	OK 2017/09/01
IronWolf	ST6000VN0041	SATA 6.0Gb/s	6000	7200	128	2.05.14.4	3.5"	OK 2016/12/28
IronWolf	ST4000VN008	SATA 6.0Gb/s	4000	5900	64	2.05.14.4	3.5"	OK 2016/12/28
IronWolf	ST1000VN002	SATA 6.0Gb/s	1000	5900	64	2.05.14.4	3.5"	OK 2016/11/16
IronWolf	ST2000VN004	SATA 6.0Gb/s	2000	5900	64	2.05.12	3.5"	OK 2015/12/31
IronWolf	ST3000VN007	SATA 6.0Gb/s	3000	5900	64	2.05.14	3.5"	OK 2016/06/27
SkyHawk	ST10000VX0004	SATA 6.0Gb/s	10000	7200	256	2.05.14.4	3.5"	OK 2016/08/25
SkyHawk	ST6000VX0023	SATA 6.0Gb/s	6000	7200	256	3.02.02.10	3.5"	OK 2017/12/15
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
Video HDD	ST4000VM000	SATA 6.0Gb/s	4000	5900	64	2.05.08.3	3.5"	OK 2015/08/28
Video HDD	ST3000VM002	SATA 6.0Gb/s	3000	5900	64	2.05.08.3	3.5"	OK 2015/08/28
Video HDD	ST2000VM003	SATA 6.0Gb/s	2000	5900	64	2.05.08.3	3.5"	OK 2015/08/28
Video HDD	ST1000VM002	SATA 6.0Gb/s	1000	5900	64	2.05.08.3	3.5"	OK 2015/08/28
NAS HDD	ST6000VN0021	SATA 6.0Gb/s	6000	7200	128	2.05.12	3.5"	OK 2015/09/30
NAS HDD	ST6000VN0031	SATA 6.0Gb/s	6000	7200	128	2.05.12	3.5"	OK 2015/09/30
NAS HDD	ST4000VN000	SATA 6.0Gb/s	4000	5900	64	2.05.14	3.5"	OK 2016/06/27
NAS HDD	ST4000VN003	SATA 6.0Gb/s	4000	5900	64	2.05.14	3.5"	OK 2016/06/27
NAS HDD	ST3000VN000	SATA 6.0Gb/s	3000	5900	64	2.05.14	3.5"	OK 2016/06/27
NAS HDD	ST2000VN000	SATA 6.0Gb/s	2000	5900	64	2.05.12	3.5"	OK 2015/12/31
NAS HDD	ST2000VN001	SATA 6.0Gb/s	2000	5900	64	2.05.12	3.5"	OK 2015/12/31
NAS HDD	ST1000VN000	SATA 6.0Gb/s	1000	5900	64	2.05.14.4	3.5"	OK 2016/11/16
NAS HDD	ST1000VN001	SATA 6.0Gb/s	1000	5900	64	2.05.14.4	3.5"	OK 2016/11/16
NAS HDD	ST8000VN0002	SATA 6.0Gb/s	8000	7200	256	2.05.12	3.5"	OK 2015/12/31
NAS HDD	ST8000VN0012	SATA 6.0Gb/s	8000	7200	256	2.05.12	3.5"	OK 2015/12/31
NAS HDD	ST6000VN0021	SATA 6.0Gb/s	6000	7200	256	2.05.12	3.5"	OK 2015/12/31
NAS HDD	ST6000VN0031	SATA 6.0Gb/s	6000	7200	256	2.05.12	3.5"	OK 2015/12/31

N5810 Series HDD/SSD Compatibility List

Western Digital

Series	Model	Interface	Capacity (GB)	Rotational Speed (RPM)	Buffer Size (MB)	NAS Firmware	Form Factor	Recently Updated *
WD Red	WD100EFAX	SATA 6.0Gb/s	10000	5400	256	2.06.02.6	3.5"	OK 2017/05/19
WD Red	WD80EFZX	SATA 6.0Gb/s	8000	5400	128	2.05.14.4	3.5"	OK 2015/04/11 (10,11)
WD Red	WD60EFRX	SATA 6.0Gb/s	6000	IntelliPower™	64	2.05.08.3	3.5"	OK 2015/08/28 (10,11)
WD Red	WD50EFRX	SATA 6.0Gb/s	5000	IntelliPower™	64	2.05.08.3	3.5"	OK 2015/08/28 (10,11)
WD Red	WD40EFRX	SATA 6.0Gb/s	4000	IntelliPower™	64	2.05.14.4	3.5"	OK 2016/11/16 (11)
WD Red	WD30EFRX	SATA 6.0Gb/s	3000	IntelliPower™	64	2.05.08.3	3.5"	OK 2015/08/28 (11)
WD Red	WD20EFRX	SATA 6.0Gb/s	2000	IntelliPower™	64	2.05.08.3	3.5"	OK 2015/08/28 (11)
WD Red	WD10EFRX	SATA 6.0Gb/s	1000	IntelliPower™	64	2.05.08.3	3.5"	OK 2015/08/28 (11)
WD Purple	WD80EJRX	SATA 6.0Gb/s	8000	5400	128	2.05.14	3.5"	OK 2017/05/25
WD Purple	WD60EJRX	SATA 6.0Gb/s	6000	5400	64	2.05.04	3.5"	OK 2017/05/25
WD Purple	WD40EJRX	SATA 6.0Gb/s	4000	5400	64	2.05.04	3.5"	OK 2017/05/25
WD Purple	WD30EJRX	SATA 6.0Gb/s	3000	5400	64	2.05.04	3.5"	OK 2017/05/25
WD Purple	WD20EJRX	SATA 6.0Gb/s	2000	5400	64	2.05.04	3.5"	OK 2017/05/25
WD Purple	WD10EJRX	SATA 6.0Gb/s	1000	5400	64	2.05.04	3.5"	OK 2017/05/25
WD Purple	WD100PURZ	SATA 6.0Gb/s	10000	5400	256	2.05.02.10	3.5"	OK 2017/08/14
WD Purple	WD80PURZ	SATA 6.0Gb/s	8000	5400	128	2.05.14	3.5"	OK 2017/05/25
WD Purple	WD60PURZ	SATA 6.0Gb/s	6000	5400	64	2.05.04	3.5"	OK 2017/05/25
WD Purple	WD40PURZ	SATA 6.0Gb/s	4000	5400	64	2.05.04	3.5"	OK 2017/05/25
WD Purple	WD30PURZ	SATA 6.0Gb/s	3000	5400	64	2.05.04	3.5"	OK 2017/05/25
WD Purple	WD20PURZ	SATA 6.0Gb/s	2000	5400	64	2.05.04	3.5"	OK 2017/05/25
WD Purple	WD10PURZ	SATA 6.0Gb/s	1000	5400	64	2.05.04	3.5"	OK 2017/05/25
WD Purple	WD80PUZX	SATA 6.0Gb/s	8000	5400	128	2.05.14	3.5"	OK 2016/06/08

N5810 Series HDD/SSD Compatibility List

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 (*18)
Archive HDD	ST6000AS0002	SATA 6.0Gb/s	6000	7200	128	-	3.5"	Not recommend (*18)
Archive HDD	ST5000AS0011	SATA 6.0Gb/s	5000	7200	128	-	3.5"	Not recommend (*18)

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	-	3.5"	Not recommend(*7)
WD Caviar Black	WD1502FAEX	SATA 6.0Gb/s	1500	7200	64	-	3.5"	Not recommend(*7)
WD Caviar Black	WD2002FAEX	SATA 6.0Gb/s	2000	7200	64	-	3.5"	Not recommend(*7)
WD Caviar Black	WD1502FAEX	SATA 6.0Gb/s	1500	7200	64	-	3.5"	Not recommend(*7)
WD Caviar Black	WD1002FAEX	SATA 6.0Gb/s	1000	7200	64	-	3.5"	Not recommend(*7)
WD Caviar Black	WD6402AAEX	SATA 6.0Gb/s	640	7200	64	-	3.5"	Not recommend(*7)
WD Caviar Black	WD2001FASS	SATA 3.0Gb/s	2000	7200	64	-	3.5"	Not recommend(*7)
WD Caviar Blue	WD10EALX	SATA 6.0Gb/s	1000	7200	32	-	3.5"	Not recommend(*7)
WD Caviar Blue	WD7500AALX	SATA 6.0Gb/s	750	7200	32	-	3.5"	Not recommend(*7)
WD Caviar Blue	WD5000AAKX	SATA 6.0Gb/s	500	7200	16	-	3.5"	Not recommend(*7)
WD Caviar Blue	WD10EALS	SATA 3.0Gb/s	1000	7200	32	-	3.5"	Not recommend(*7)
WD Caviar Green	WD20EARX	SATA 6.0Gb/s	2000	IntelliPower™	64	-	3.5"	Not recommend(*7)
WD Caviar Green	WD15EARX	SATA 6.0Gb/s	1500	IntelliPower™	64	-	3.5"	Not recommend(*7)
WD Caviar Green	WD10EARX	SATA 6.0Gb/s	1000	IntelliPower™	64	-	3.5"	Not recommend(*7)
WD Caviar Green	WD20EARS	SATA 3.0Gb/s	2000	IntelliPower™	64	-	3.5"	Not recommend(*7)
WD Caviar Green	WD15EARS	SATA 3.0Gb/s	1500	IntelliPower™	64	-	3.5"	Not recommend(*7)
WD Caviar Green	WD10EARS	SATA 3.0Gb/s	1000	IntelliPower™	64	-	3.5"	Not recommend(*7)
WD Caviar Green	WD20EADS	SATA 3.0Gb/s	2000	IntelliPower™	32	-	3.5"	Not recommend(*7)
WD Caviar Green	WD15EADS	SATA 3.0Gb/s	1500	IntelliPower™	32	-	3.5"	Not recommend(*7)
WD Caviar Green	WD10EADS	SATA 3.0Gb/s	1000	IntelliPower™	32	-	3.5"	Not recommend(*7)
WD AV-GP	WD20EVDS	SATA 3.0Gb/s	2000	IntelliPower™	32	-	3.5"	Not recommend(*7)

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 OS5 X64 EXT4 File System support single RAID volume over 16TB.
7. 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
8. 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_
9. 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 information.
10. The screw depth is 4mm.
11. WD Red Network Hard Drive is designed for consumer RAID products (1~5 bays), thus **strong recommend the RACK/NAS total HDD below 5 HDDs.**
12. Unsupported SMR HDD, even it working well in the beginning, but would suffer issues in the long run.