VTrak J5000 Compatibility List

Version 2.12

Firmware 1.01.0000.53 Release Date: 23/01/2018

VTrak J5000 Systems Covered:

- **J5320 2U/24 JBOD, dual controller, 2.5" Drive Bays**
- **J5300 2U/12 JBOD, dual controller**
- **J5600 3U/16 JBOD, dual controller**
- **J5800 4U/24 JBOD, dual controller**

System Versions Covered:

- **Vtrak J5000 Firmware**– Version 1.01.0000.53 [Jan 23, 2018]

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Document History

Date	Editor	Revision	Comments
05/29/2015	R Brose	0.01	1. Initial list for VTrak J5000 Compatibility
06/02/2015	R Brose	1.00	2. Added Drives, 6G HBA
06/29/2015	R Brose	1.01	3. Updated Expander FW version to 1.00.0000.61
07/16/2015	R Brose	1.02	4. Corrected Drive size and heading Typos
12/18/2015	R Hutchens	1.03	5. Updated drive tables
04/08/2016	J Buntrock	1.04	6. Added Drives, added P/N Drive column and fixed format and alignment of tables
04/21/2016	J Buntrock	1.05	7. Added Micron S650DC and HGST He8 Drives.
04/22/2016	J Buntrock	1.06	8. Added Drives, fixed format and typos.
07/20/2016	F Londono	1.07	9. Added Seagate and HGST drives
08/18/2016	F Londono	1.08	10. Added cable , HGST firmware revisions and Seagate drive
09/27/2016	F Londono	1.09	11. Added Seagate and HGST He8 SATA drives
10/11/2016	F Londono	1.10	12. Added Areca Technology 12G SAS RAID adapter
01/06/2017	F Londono	1.11	13. Added HGST TCG FIPS , Seagate 10TB SATA drive and 1m ConnPro SAS cable
04/04/2017	F Londono	1.12	14. Updated HGST firmware, Toshiba 2.5” drives, Micron 1100 & 5100 and Seagate SSD
01/23/2018	KJ Hsu	1.13	Added Samsung SSD_850-EVO-Pro-1TB Added (Micron) Crucial SSD_MX300-CT1050MX-1TB Added HGST SATA HUA722010CLA330-1TB Added HGST SAS HUH721212Al5200-12TB. Update the Version to v1.13
01/30/2018	KJ Hsu	1.14	Added HGST SAS HUH721008AL5200-8TB
02/07/2018	Wally Wang	2.0	Change Jbod FW version to SR2 Change document version to 2.0
03/16/2018	KJ Hsu	2.01	Added Toshiba MG07ACA14TE-14TB/MG07ACA12TE-12TB
03/20/2018	KJ Hsu	2.02	Added HGST HUH721212ALE604-12TB Added LSI SAS 9305-16e
06/13/2018	KJ Hsu	2.03	Added Seagate ST12000NM0007 Added Toshiba AL15SEB24EQ Added WDC WD6002FRYZ-01WD5B0
06/25/2018	KJ Hsu	2.04	Added HGST Ultrastar 7K6 SAS HUS726T4TALS204 Added HGST Ultrastar 7K6 SATA HUS726T4TALA6L4
07/31/2018	KJ Hsu	2.04	Added WD HUS728T8TAL5204 Added Toshiba MG06SCA10TE Added Toshiba AL14SXB90EE
22/11/2018	KJ Hsu	2.04	Added HGST Ultrastar 7K6 SAS HUS726T6TAL5204 Added Seagate Enterprise Capacity ST8000NM0075 Added Seagate Enterprise Performance ST2400MM0129 Added Seagate Enterprise Performance ST900MP0146 Added Toshiba Enterprise Performance AL14SEB120N Added HGST Ultrastar 7K6 HUS726T6TALE6L4

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			Added HGST Ultrastar He12 HUH721212ALE600 Added Seagate SKYHAWK Surveillance ST6000VX0023
07/12/2018	KJ Hsu	2.04	Added Toshiba Enterprise MG07SCA14TE Added WD Ultrastar DC HC530 WUH721414AL5204 Added Samsung Enterprise SSD PM1643 MZILT960HAHQ-00007
06/03/2019	KJ Hsu	2.04	Added Seagate Exos X14 and Exos X14z ST14000NM0048_FW-E002 Added Seagate Exos X14 and Exos X14z ST14000NM0018_FW-SN02 Updated Crucial SSD CT1000MX200SSD1 firmware to MU05 Updated Samsung SSD MZILT960HAHQ007 firmware to GXF2
23/05/2019	KJ Hsu	2.05	Added Seagate Enterprise Performance 10K ST600MM0009_FW-N001 Added Seagate Enterprise Performance 15K ST900MP0006_FW-N003 Added Seagate SKYHAWK Surveillance ST8000VE0004_FW-EV01 Added Seagate Exos X14 and Exos X14z ST12000NM0008_FW-SN01 Added WD Ultrastar DC HC530 0F31284 Added WD Ultrastar DC HC520 0F30146 Added Toshiba PM5-R SAS SSD KPM51RUG960G_FW-0107 Added Toshiba PM5-R SAS SSD KPM51RUG480G Added Toshiba PM5-R SAS SSD KPM51RUG1T92 Added Toshiba PM5-R SAS SSD KPM51RUG3T84
11/06/2019	KJ Hsu	2.06	Updated to “List V2.06” Added MG07SCA12TE
01/11/2019	KJ Hsu	2.07	Added innodisk DGS25-01TM71EC1QF-H04 Added innodisk DGS25-02TM71EC1QF-H04 Added Seagate NYTRO3331_XS960SE7004 Added Seagate ST16000NM001G-2KK103_FW-SN01 Added Samsun 860pro_MZ-76P1T0_FW-1B6Q Added Toshiba AL15SEB Series Added Micron MTFDDAK2T0TDL_FW-M5MU000
04/03/2020	KJ Hsu	2.08	Update to “VTrak J5000 Compatibility List Version 2.08” Update innodisk SSD type to “3D TLC” Added Toshiba AL15SE Series as following: AL15SEB120N_FW-1401 AL15SEB090N_FW-1401 AL15SEB060N_FW-1401 AL15SEB030N_FW-1401 Added Toshiba SATA SSD KHK61RSE1T92_FW-6101 Added Micron SATA ALC 5210 SSD as following: MTFDDAK1T9QDE_FW-MU001 MTFDDAK3T8QDE_FW-MU001 Added Micron SATA 1300 SSD as following: MTFDDAK256TDL-1AW1ZABYY MTFDDAK512TDL-1AW1ZABYY MTFDDAK1T0TDL-1AW1ZABYY Added Seagate EXOS 7E8 SAS as following: ST8000NM001A_FW-E001 ST6000NM029A_FW-E001 ST4000NM006A_FW-E001 ST2000NM004A_FW-E001 ST4000NM003A_FW-N001 ST3000NM001A_FW-N001 ST2000NM003A_FW-N001 ST1000NM001A_FW-N001 Added Seagate NYTRO3331 SAS SSD as following:

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			XS1920SE70004_FW-0003 Add Toshiba MG08ACA16TE_FW-0101 Add Seagate EXOS X16 series as following: ST14000NM001G_FW-SN01 ST12000NM001G_FW-SN01
07/07/2020	KJ Hsu	2.09	Add Broadcom HBA 9405W-16e Add Broad com HBA9500-16e Add SAS Seagate Exos 10E2400 ST2400MM0129_FW-C004 Add SAS MG08 series Toshiba MG08SCA16TE_FW-0101 Add SAS SSD PM1643 series Samsung MZILT1T9HAJQ-00007_FW-GXF4 Add SATA Exos 7E8 series Seagate ST8000NM00A_FW-SN02 Add SATA SSD D3-S4510 series Intel SSDSC2KB019T8_FW-XCV10110 Add SATA SSD DC500 series Kingston SEDC500R_FW-004.A03G
31/12/2020	KJ Hsu	2.10	Added WD Red Pro Series: WD2002FFSX_FW-0A830A83 WD4003FFSX_FW-0A830A83 WD6003FFSX_FW-0A830A83 WD8003FFSX_FW-0A830A83 WD101KFBX_FW-0A830A83 WD102KFBX_FW-0A830A83 WD121KFBX_FW-0A830A83 WD141KFGX_FW-0A830A83 WD161KFGX_FW-0A830A83 WD181KFGX_FW-0A830A83 Added WD Ultrastar DC HC550 Series: WUH721818ALE6L4_FW-W120 WUH721816ALE6L4_FW-W120 Added WD Ultrastar DC HC310 Series: HUS728T8TALE6L4_FW-W984 HUS726T6TALE6L4_FW-W984 HUS726T4TALE6L4_FW-W984 Added Toshiba MG08-D Series MG08ADA400E_FW-0101
22/02/2021	KJ Hsu	2.11	Updated WDC Ultastar DC HC530 WUH721414AL5204 firmware “C240”
19/08/2021	KJ Hsu	2.12	Added WD SATA SSD RED SA500 NAS Series: WDS400T1R0A_FW-00WR WDS200T1R0A_FW-00WR WDS100T1R0A_FW-00WR WDS500G1R0A_FW-00WR Added TOSHIBA SAS HDD MG08-D Series: MG08SDA800E_FW-0101 MG08SDA600E_FW-0101 MG08SDA400E_FW-0101 Updated TOSHIBA MG07SCA12TE_FW-0102 Added TOSHIBA SATA HDD MG08-D Series: MG08ADA800E_FW-0101 MG08ADA600E_FW-0101 MG08ADA400E_FW-0101 Added KIOXIA SAS SSD PM6-R Series: KPM61RUG1T92_FW-0103 KPM61RUG960G_FW-0103

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			Added TOSHIBA SATA HDD MG09 Series MG09ACA18TE_FW-0103 MG09ACA16TE_FW-0103

DEVICE COMPATIBILITY NOTE:

Basic compatibility between the 3rd party device and Promise device has been verified in typical configurations, unless otherwise stated.

DISCLAIMERS:

Only the versions available at time of testing have been verified, as listed. Corner cases may exist depending on user configuration etc. Individual 3rd party units may exhibit problems that did not show up in through the Promise test process. Published performance is not assured with configuration deviations.

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Host Connectivity

Vendor	Model	Interface	BIOS	Firmware
Areca Technology	ARC-1883x	12Gb/s SAS	1.24a	1.53A
LSI	Avago MegaRAID 9380-8e	12Gb/s SAS	6.24.05.0	4.280.00-4226
	LSI SAS 9300-8e		8.17.00.00	08.00.00.00
	LSI SAS 9200-8e	6 Gb/s SAS	20.0-7.39.00.00	20.00.02.00
	LSI SAS 9305-16e	12Gb/s SAS	08.27.00.00_16.00	15.00.00.00
BROADCOM	HBA 9405W-16e	12Gb/s SAS 6Gb/s SATA	15.00.00.00	15.00.00.00
	HBA9500-16e	12Gb/s SAS 6Gb/s SATA	15.00.00.00	15.00.00.00

SAS Cables

Promise PN	Vendor	Vendor PN	Description
G51130261000009	JPC	P3602U701000-2	External min SAS to External min SAS 8644 to 8644 12G 1M
G51130263000001	JPC	P3602U703000-1	External min SAS to External min SAS 8644 to 8644 12G 3M
G51130361000017	FCI	10117771-2010HLF	Mini SAS HD 4X 36P To Mini SAS 2.1 26P.1M
G51130363000000	FCI	10117771-3030HLF	Mini SAS HD 4X 36P To Mini SAS 2.1 26P.3M
	ConnPro	RS3D5TD5T10001	Slim SAS HD to Slim SAS HD 1M
	ConnPro	RS3D5TD5T100P1	Same cable with Pull Tab Enhancement

Cables are tested for compatibility with Promise hardware only and are not tested to full electrical and mechanical specifications.

Hard Disk Drives

SAS Drives

Vendor	Series	Model	P/N	Size	Interface	Capacity	Spindle Speed (RPM)	F/W ver.	Format
HGST	Ultrastar C15K600	HUC156060CSS200	0B28953	2.5"	SAS 12Gb/s	600GB	15K	A904	512n
		HUC156045CSS200	0B28954	2.5"	SAS 12Gb/s	450GB	15K	A904	512n
		HUC156030CSS200	OB28955	2.5"	SAS 12Gb/s	300GB	15K	A904	512n
	Ultrastar C10K1800	HUC101818CS4200	OB27978	2.5"	SAS 12Gb/s	1.8TB	10K	A380	512e
		HUC101812CS4200	OB27977	2.5"	SAS 12Gb/s	1.2TB	10K	A380	512e
		HUC101890CS4200	OB27975	2.5"	SAS 12Gb/s	900GB	10K	A380	512e
		HUC101860CS4200	OB27974	2.5"	SAS 12Gb/s	600GB	10K	A380	512e

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		HUC101845CS4200	OB27973	2.5"	SAS 12Gb/s	450GB	10K	A380	512e
		HUC101812CSS200	OB28807	2.5"	SAS 12Gb/s	1.2TB	10K	A904	512n
		HUC101890CSS200	OB27976	2.5"	SAS 12Gb/s	900GB	10K	A904	512n
		HUC101860CSS200	0B28808	2.5"	SAS 12Gb/s	600GB	10K	A904	512n
		HUC101830CSS200	0B28810	2.5"	SAS 12Gb/s	300GB	10K	A904	512n
	Ultrastar 7K6000	HUS726060AL5210	OF22791	3.5"	SAS 12Gb/s	6TB	7200	A907	512e
		HUS726050AL5210	OF22793	3.5"	SAS 12Gb/s	5TB	7200	A907	512e
		HUS726040AL5210	OF22795	3.5"	SAS 12Gb/s	4TB	7200	A907	512e
		HUS726020AL5210	OF22799	3.5"	SAS 12Gb/s	2TB	7200	A907	512e
		HUS726040AL5215	0F22825	3.5"	SAS 12Gb/s	4TB	7200	D907	512e
		HUS726T4TAL5204	0B35919	3.5"	SAS 12Gb/s	4TB	7200	C40H	512e
		HUS726T6TAL5204	0B36047	3.5"	SAS 12Gb/s	6TB	7200	C40H	512e
	Ultrastar He6	HUS726060ALS640	OF18370	3.5"	SAS 6Gb/s	6TB	7200	T1E2	512n
	Ultrastar He10	HUH721010AL5200	0F27352	3.5"	SAS 12Gb/s	10TB	7200	A21D	512e
		HUH721008AL5200	0F27356	3.5'	SAS 12Gb/s	8TB	7200	A21D	512e
	Ultrastar He12	HUH721212AL5200	0F29530	3.5"	12Gb/s SAS	12TB	7200	A3D0	512e
	Ultrastar He8	HUH728080AL5200	0F23268	3.5"	SAS 12Gb/s	8TB	7200	A907	512e
		HUH728060AL5200	0F23270	3.5"	SAS 12Gb/s	6TB	7200	A907	512e
WD	Ultrastar Enterprise Previously Ultrastar 7K8	HUS728T8TAL5204	0B36400	3.5"	SAS 12Gb/s	8TB	7200	C410	512e
	Ultrastar DC HC530	WUH721414AL5204	0F31052	3.5"	SAS 12Gb/s	14TB	7200	C07A C07G C240	512e
Seagate	Enterprise Capacity 3.5 v5	ST6000NM0095	1Y2210—002	3.5"	SAS 12Gb/s	6TB	7200	E002	512e
		ST4000NM0025	1V4207-002	3.5"	SAS 12Gb/s	4TB	7200	N002	512n
		ST3000NM0025	1V420N-002	3.5"	SAS 12Gb/s	3TB	7200	N002	512n
	Enterprise Capacity 3.5 v5 SED	ST4000NM0135	2AR207-002	3.5"	SAS 12Gb/s	4TB	7200	NF02	512n
	Enterprise Capacity 2.5 HDD v3	ST2000NX0273	1FM201-002	2.5"	SAS 12Gb/s	2TB	7200	E004	512e
		ST1000NX0333	1FN201-002	2.5"	SAS 12Gb/s	1TB	7200	E004	512e
	Enterprise Capacity	ST6000NM0034	1HT27Z-001	3.5"	SAS 12Gb/s	6TB	7200	E001	512e
		ST5000NM0034	1HT270-001	3.5"	SAS 12Gb/s	5TB	7200	E001	512e
		ST4000NM0034	1HT278-001	3.5"	SAS 12Gb/s	4TB	7200	E001	512e
		ST2000NM0034	1HT274-001	3.5"	SAS 12Gb/s	2TB	7200	E001	512e
		ST8000NM0075	1RM212-003	3.5"	SAS 12Gb/s	8TB	7200	E003	512e
	Enterprise Performance 10K	ST1200MM0007	1DA200-003	2.5"	SAS 6Gb/s	1.2TB	10K	1	512n

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		ST1200MM0088	1FF200-003	2.5"	12Gb/s SAS	1.2TB	10K	N003	512n
		ST600MM0088	1FD200-004	2.5"	12Gb/s SAS	600GB	10K	N003	512n
		ST2400MM0129	1XK203-001	2.5"	12Gb/s SAS	2.4TB	10K	C003	512n
		ST600MM0009	1XF200-001	2.5"	12Gb/s SAS	600GB	10K	N001	512n
	Enterprise Performance 15K v6	ST900MP0146	1UY203-002	2.5"	12Gb/s SAS	900GB	15K	C003	512n
		ST900MP0006	1UV200-002	2.5"	12Gb/s SAS	900GB	15K	N003	512n
	Cheetah 15K.7	ST3600057SS	9FS066-008	3.5"	SAS 6Gb/s	600GB	15K	0008	512n
		ST3300657SS	9FL066-009	3.5"	SAS 6Gb/s	300GB	15K	0008	512n
	ES.3	ST4000NM0023	9ZM270-001	3.5"	SAS 6Gb/s	4TB	7200	SN02	512n
		ST3000NM0023	9ZM278-001	3.5"	SAS 6Gb/s	3TB	7200	SN02	512n
		ST2000NM0023	9ZM275-001	3.5"	SAS 6Gb/s	2TB	7200	SN02	512n
		ST1000NM0023	9ZM273-001	3.5"	SAS 6Gb/s	1TB	7200	SN02	512n
	Exos X14 and Exos X14z	ST14000NM0048	2H4201-002	3.5"	SAS 12Gb/s	14TB	7200	E002	512e
	Exos X16	ST14000NM002G	ST14000NM002G	3.5"	SAS 12Gb/s	14TB	7200	E003	512e
	Exos 7E8	ST8000NM001A	ST8000NM001A	3.5"	SAS 12Gb/s	8TB	7200	E001	512e
		ST6000NM029A	ST6000NM029A	3.5"	SAS 12Gb/s	6TB	7200	E001	512e
		ST4000NM005A	ST4000NM005A	3.5"	SAS 12Gb/s	4TB	7200	E001	512e
		ST2000NM004A	ST2000NM004A	3.5"	SAS 12Gb/s	2TB	7200	E001	512e
		ST4000NM003A	ST4000NM003A	3.5"	SAS 12Gb/s	4TB	7200	N001	512n
		ST3000NM001A	ST3000NM001A	3.5"	SAS 12Gb/s	3TB	7200	N001	512n
		ST2000NM003A	ST2000NM003A	3.5"	SAS 12Gb/s	2TB	7200	N001	512n
		ST1000NM001A	ST1000NM001A	3.5"	SAS 12Gb/s	1TB	7200	N001	512n
Seagate	Exos 10E2400	ST2400MM0129	ST2400MM0129	2.5"	SAS 12Gb/s	2.4TB	10K	C004	512e
		ST1800MM0129	ST1800MM0129	2.5"	SAS 12Gb/s	1.8TB	10K	C004	512e
		ST1200MM0129	ST1200MM0129	2.5"	SAS 12Gb/s	1.2TB	10K	C004	512e
		ST600MM0099	ST600MM0099	2.5"	SAS 12Gb/s	600GB	10K	C004	512e
Toshiba	Tomcat	MG04SCA500E	HDEPE10GEA51	3.5"	SAS 6Gb/s	5TB	7200	102	512e
		MG04SCA400E	HDEPE11GEA51	3.5"	SAS 6Gb/s	4TB	7200	102	512e
		MG04SCA300E	HDEPE12GEA51	3.5"	SAS 6Gb/s	3TB	7200	102	512e
		MG04SCA200E	HDEPE13GEA51	3.5"	SAS 6Gb/s	2TB	7200	102	512e
	Enterprise Capacity (Tomcat-R)	MG04SCA60EE	HDEPF10GDA51	3.5"	SAS 12Gb/s	6TB	7200	0901	512e
		MG04SCA50EE	HDEPF11GDA51	3.5"	SAS 12Gb/s	5TB	7200	0901	512e

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		MG04SCA40EE	HDEPF12GDA51	3.5"	SAS 12Gb/s	4TB	7200	0901	512e
		MG04SCA20EE	HDEPF14GDA51	3.5"	SAS 12Gb/s	2TB	7200	0901	512e
		MG04SCA40EN	HDEPF02GDA51	3.5"	SAS 12Gb/s	4TB	7200	0901	512n
		MG04SCA20EN	HDEPF04GDA51	3.5"	SAS 12Gb/s	2TB	7200	0901	512n
		MG06SCA10TE	HDEPK10GEA51	3.5"	SAS 12Gb/s	10TB	7200	0102	512e
		MG07SCA12TE	MG07SCA12TE	3.5"	SAS 12Gb/s	12TB	7200	0101 0102	512e
		MG07SCA14TE	HDEPM10GEA51	3.5"	SAS 12Gb/s	14TB	7200	0101	512e
		MG08SCA16TE	MG08SCA16TE	3.5"	SAS 12Gb/s	16TB	7200	0101	512e
	Enterprise Performance	AL14SEB18EQ	HDEBJ10GEA51	2.5"	SAS 12Gb/s	1.8TB	10000	0102	512e
		AL14SEB12EQ	HDEBJ11GEA51	2.5"	SAS 12Gb/s	1.2TB	10000	0102	512e
		AL14SEB09EQ	HDEBJ12GEA51	2.5"	SAS 12Gb/s	900GB	10000	0102	512e
		AL14SXB90EE	HDEAH10GEA51	2.5"	SAS 12Gb/s	900GB	15000	0101	512e
		AL14SEB06EQ	HDEBJ13GEA51	2.5"	SAS 12Gb/s	600GB	10000	0102	512e
		AL15SEB24EQ	AL15SEB24EQ	2.5"	SAS 12Gb/s	2.4TB	10500	0102	512e
		AL14SEB120N	HDEBF01GEA51	2.5"	SAS 12Gb/s	1.2TB	10500	0103	512e/512n
	Enterprise AL15SEB Series	AL15SEB18EQ	AL15SEB18EQ	2.5"	SAS 12Gb/s	1.8TB	10500	1401	512e
		AL15SEB12EQ	AL15SEB12EQ	2.5"	SAS 12Gb/s	1.2TB	10500	1401	512e
		AL15SEB09EQ	AL15SEB09EQ	2.5"	SAS 12Gb/s	900GB	10500	1401	512e
		AL15SEB06EQ	AL15SEB06EQ	2.5"	SAS 12Gb/s	600GB	10500	1401	512e
		AL15SEB120N	AL15SEB120N	2.5"	SAS 12Gb/s	1.2TB	10500	1401	512n
		AL15SEB090N	AL15SEB090N	2.5"	SAS 12Gb/s	900GB	10500	1401	512n
		AL15SEB060N	AL15SEB060N	2.5"	SAS 12Gb/s	600GB	10500	1401	512n
		AL15SEB030N	AL15SEB030N	2.5"	SAS 12Gb/s	300GB	10500	1401	512n
Toshiba	MG08-D Series	MG08SDA800E	HDEJN14GEA51	3.5"	12Gb/s SAS	8TB	7200	0101	512e
		MG08SDA600E	HDEJN14GEA51	3.5"	12Gb/s SAS	6TB	7200	0101	512e
		MG08SDA400E	HDEJN14GEA51	3.5"	12Gb/s SAS	4TB	7200	0101	512e

*** Drives with 4Kn formatting listed here below are not supported when the J5000 is attached to a Promise A-Class or Promise E830 or E630 or E5000 series.**

Vendor	Series	Model	P/N	Size	Interface	Capacity	Spindle Speed (RPM)	F/W ver.	Format
Seagate	Enterprise Capacity	ST6000NM0014*	1FT27Z-005	3.5"	SAS 12Gb/s	6TB	7200	K001	4Kn*

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HGST	Ultrastar 7K6000	HUS726060AL4210*	OF22790	3.5"	SAS 12Gb/s	6TB	7200	A519	4Kn*
		HUS726050AL4210*	OF22792	3.5"	SAS 12Gb/s	5TB	7200	A519	4Kn*
		HUS726040AL4210*	OF22794	3.5"	SAS 12Gb/s	4TB	7200	A519	4Kn*
		HUS726020AL4210*	OF22798	3.5"	SAS 12Gb/s	2TB	7200	A519	4Kn*

SATA Drives

Vendor	Series	Model	P/N	Size	Interface	Capacity	Spindle Speed (RPM)	F/W version	Format
HGST	MegaScale DC™ 4000.B	HMS5C4040BLE640	OF22146	3.5"	SATA 6Gb/s	4TB	Coolspin™	5D0	512e
	Ultrastar 7K2000	HUA722010CLA330	0A39289	3.5”	SATA 6Gb/s	1TB	7200	A3EA	512e
	Ultrastar He8	HUH728080ALE600	0F23267	3.5"	SATA 6Gb/s	8TB	7200	T907	512e
		HUH728060ALE600	0F23269	3.5"	SATA 6Gb/s	6TB	7200	T907	512e
	Ultrastar He6	HUS726060ALA640	OF18335	3.5"	SATA 6Gb/s	6TB	7200	A1E2	512n
	Ultrastar 7K6000	HUS726060ALE610	0F23001	3.5"	SATA 6Gb/s	6TB	7200	T907	512e
		HUS726050ALE610	0F23003	3.5"	SATA 6Gb/s	5TB	7200	T907	512e
		HUS726040ALE610	0F23005	3.5"	SATA 6Gb/s	4TB	7200	T907	512e
		HUS726020ALE610	0F23009	3.5"	SATA 6Gb/s	2TB	7200	T907	512e
		HUS726T4TALA6L4	0B35950	3.5"	SATA 6Gb/s	4TB	7200	W40H	512e
		HUS726T6TALE6L4	0B36039	3.5"	SATA 6Gb/s	6TB	7200	W40H	512e
	Ultrastar He12	HUH721212ALE604	0F30146	3.5”	SATA 6Gb/s	12TB	7200	LEGNT3D0	512e
		HUH721212ALE600	0F30144	3.5”	SATA 6Gb/s	12TB	7200	T3D0	512e
SEAGATE	V.4	ST6000NM0024	1HT17Z-001	3.5"	SATA 6Gb/s	6TB	7200	SN02	512e
		ST5000NM0024	1HT170-500	3.5"	SATA 6Gb/s	5TB	7200	SN02	512e
		ST4000NM0024	1HT178-001	3.5"	SATA 6Gb/s	4TB	7200	SN02	512e
		ST2000NM0024	1HT174-001	3.5"	SATA 6Gb/s	2TB	7200	SN02	512e
	Enterprise Capacity 3.5 HDD v5	ST8000NM0055	1RM112-001	3.5”	SATA 6Gb/s	8TB	7200	SN01	512e
	Enterprise Capacity 3.5 HDD v6	ST10000NM0016	1TT101-002	3.5”	SATA 6Gb/s	10TB	7200	SNC0	512e
	Enterprise Capacity 3.5 HDD v7	ST12000NM0007	2A1101-001	3.5”	SATA 6Gb/s	12TB	7200	SN01	512e
	SKYHAWK Survveillance	ST6000VX0023	2EF110-300	3.5”	SATA 6Gb/s	6TB	7200	SC60	512e
		ST8000VE0004-2K111G	ZA27P8H5	3.5”	SATA 6Gb/s	8TB	7200	EV01	512e
	Exos X14 and Exos X14z	ST14000NM0018	2H4101-002	3.5”	SATA 6Gb/s	14TB	7200	SN02	512e
		ST12000NM0008	2H3101-001	3.5”	SATA 6Gb/s	12TB	7200	SN01	512e
	Exos X16	ST16000NM001G	ST16000NM001G	3.5”	SATA 6Gb/s	16TB	7200	SN01	512e
		ST14000NM001G	ST14000NM001G	3.5”	SATA 6Gb/s	14TB	7200	SN01	512e
		ST12000NM001G	ST12000NM001G	3.5”	SATA 6Gb/s	12TB	7200	SN01	512e
	Exos 7E8	ST8000NM000A	ST8000NM000A	3.5”	SATA 6Gb/s	8TB	7200	SN02	512e

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TOSHIBA	Capacity HDD-MG04	MG04ACA600E	HDEPS1OGEA51	3.5"	SATA 6Gb/s	6TB	7200	FP2A	512e
		MG04ACA500E	HDERR10GEA51	3.5"	SATA 6Gb/s	5TB	7200	FP2A	512e
		MG04ACA400E	HDERR12GEA51	3.5"	SATA 6Gb/s	4TB	7200	FP2A	512e
		MG04ACA200E	HDERR13GEA51	3.5"	SATA 6Gb/s	2TB	7200	FP2A	512e
	Enterprise Capacity HDD-MG07 Series	MG07ACA12TE	HDEPW11GEA51	3.5"	SATA 6Gb/s	12TB	7200	101	512e
		MG07ACA14TE	HDEPW10GEA51	3.5"	SATA 6Gb/s	14TB	7200	101	512e
	Enterprise Capacity HDD-MG08 Series	MG08ACA16TE	MG08ACA16TE	3.5"	SATA 6Gb/s	16TB	7200	101	512e
	Enterprise Capacity HDD-MG08-D Series	MG08ADA800E	MG08ADA800E	3.5"	SATA 6Gb/s	8TB	7200	101	512e
		MG08ADA600E	MG08ADA600E	3.5"	SATA 6Gb/s	6TB	7200	101	512e
		MG08ADA400E	MG08ADA400E	3.5"	SATA 6Gb/s	4TB	7200	101	512e
	MG09 Series	MG09ACA18TE	HDEPZ10GEA51	3.5"	SATA 6Gb/s	18TB	7200	103	512e
		MG09ACA16TE	HDEPZ10GEA51	3.5"	SATA 6Gb/s	16TB	7200	103	512e
WD	SE	WD4000F9YZ	WD4000F9YZ-09N20L0	3.5"	SATA 6Gb/s	4TB	7200	VR04	512e
		WD3000F9YZ	WD3000F9YZ-09N20L0	3.5"	SATA 6Gb/s	3TB	7200	VR04	512e
		WD2000F9YZ	WD2000F9YZ-09N20L0	3.5"	SATA 6Gb/s	2TB	7200	VR04	512e
		WD1000F9YZ	WD1000F9YZ-09N20L0	3.5"	SATA 6Gb/s	1TB	7200	VR04	512e
	Gold	WD6002FRYZ	WD6002FRYZ-01WD5B0	3.5"	SATA 6Gb/s	6TB	7200	1M02	512e
	Ultrastar DC HC550	WUH721818ALE6L4	0F38459	3.5"	SATA 6Gb/s	18TB	7,200	W120	512e
		WUH721816ALE6L4	WUH721816ALE6L4	3.5"	SATA 6Gb/s	16TB	7,200	W120	512e
	Ultrastar DC HC530	WUH721414ALE6L4	0F31284	3.5"	SATA 6Gb/s	14TB	7200	07A	512e
	Ultrastar DC HC520	HUH721212ALE604	0F30146	3.5"	SATA 6Gb/s	12TB	7200	07A	512e
	Ultrastar DC HC310	HUS728T8TALE6L4	HUS728T8TALE6L4	3.5"	SATA 6Gb/s	8TB	7200	W984	512e
		HUS726T6TALE6L4	HUS726T6TALE6L4	3.5"	SATA 6Gb/s	6TB	7200	W984	512e
		HUS726T4TALE6L4	HUS726T4TALE6L4	3.5"	SATA 6Gb/s	4TB	7200	W984	512e
	NAS Red Pro	WD2002FFSX	WD2002FFSX	3.5”	SATA 6Gb/s	2TB	7,200	0A830A83	512e
		WD4003FFBX	WD4003FFBX	3.5”	SATA 6Gb/s	4TB	7,200	0A830A83	512e
		WD6003FFBX	WD6003FFBX	3.5”	SATA 6Gb/s	6TB	7,200	0A830A83	512e
		WD8003FFBX	WD8003FFBX	3.5”	SATA 6Gb/s	8TB	7,200	0A830A83	512e
		WD101KFBX	WD101KFBX	3.5”	SATA 6Gb/s	10TB	7,200	0A830A83	512e
		WD102KFBX	WD102KFBX	3.5”	SATA 6Gb/s	10TB	7,200	0A830A83	512e
		WD121KFBX	WD121KFBX	3.5”	SATA 6Gb/s	12TB	7,200	0A830A83	512e

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		WD141KFGX	WD141KFGX	3.5”	SATA 6Gb/s	14TB	7,200	0A830A83	512e
		WD161KFGX	WD161KFGX	3.5”	SATA 6Gb/s	16TB	7,200	0A830A83	512e
		WD181KFGX	WD181KFGX	3.5”	SATA 6Gb/s	18TB	7,200	0A830A83	512e

SSD Drives

Brand	Series	Model	P/N	Interface	Capacity	F/W version	Type
HGST	Ultrastar SSD1600MM	HUSMM1616ASS204 HUSMM1616ASS200 HUSMM1616ASS201 HUSMM1616ASS205	0B32167 0B31068 0B32143 0B32188	12Gb/s SAS	1.6TB	A290	MLC
		HUSMM1680ASS204 HUSMM1680ASS200 HUSMM1680ASS201 HUSMM1680ASS205	0B32166 0B31067 0B32146 0B32187	12Gb/s SAS	800GB	A290	MLC
		HUSMM1640ASS204 HUSMM1640ASS200 HUSMM1640ASS201 HUSMM1640ASS205	0B32165 0B31066 0B32145 0B32186	12Gb/s SAS	400GB	A290	MLC
		HUSMM1620ASS204 HUSMM1620ASS200 HUSMM1620ASS201 HUSMM1620ASS205	0B32164 0B31065 0B32144 0B32185	12Gb/s SAS	200GB	A290	MLC
Crucial	MX300	CT1050MX300SSD1	CT1050MX300SSD1	6Gb/s SATA	1TB	M0CR060	TLC
	MX200	CT1000MX200SSD1	CT1000MX200SSD1	6Gb/s SATA	1TB	MU05	MLC
		CT500MX200SSD1	CT500MX200SSD1	6Gb/s SATA	500GB	MU01	MLC
		CT250MX200SSD1	CT250MX200SSD1	6Gb/s SATA	250GB	MU01	MLC
Micron	S650DC	MTFDJAK800MBS	MTFDJAK800MBS-2AN1ZAB	12Gb/s SAS	800GB	M017	MLC
	M600	MTFDDAK1T0MBF-1AN12 MTFDDAK1T0MBF-1AN1Z	MTFDDAK1T0MBF-1AN12 MTFDDAK1T0MBF-1AN1Z	6Gb/s SATA	1TB	MU03	MLC
		MTFDDAK512MBF-1AN1Z MTFDDAK512MBF-1AN12	MTFDDAK512MBF-1AN1Z MTFDDAK512MBF-1AN12	6Gb/s SATA	512GB	MU03	MLC
		MTFDDAK256MBF-1AN1Z MTFDDAK256MBF-1AN12	MTFDDAK256MBF-1AN1Z MTFDDAK256MBF-1AN12	6Gb/s SATA	256GB	MU03	MLC
		MTFDDAK128MBF-1AN12 MTFDDAK128MBF-1AN1Z	MTFDDAK128MBF-1AN12 MTFDDAK128MBF-1AN1Z	6Gb/s SATA	128GB	MU03	MLC
	M550	MTFDDAK1T0MAY	MTFDDAK1T0MAY	6Gb/s SATA	1TB	MU02	MLC
		MTFDDAK512MAY	MTFDDAK512MAY	6Gb/s SATA	512GB	MU02	MLC
		MTFDDAK256MAY	MTFDDAK256MAY	6Gb/s SATA	256GB	MU02	MLC

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		MTFDDAK128MAY	MTFDDAK128MAY	6Gb/s SATA	128GB	MU02	MLC
		MTFDDAK064MAY	MTFDDAK064MAY	6Gb/s SATA	64GB	MU02	MLC
	M510DC	MTFDDAK960MBP	M1EDDAK960MBP-1AN1ZAB	6Gb/s SATA	960GB	0013	MLC
	M1100	MTFDDAK2T0TBN	MTFDDAK2T0TBN-1AR1ZAB	6Gb/s SATA	2048GB	MU011	3D TLC
	5100	MTFDDAK240TCB	MTFDDAK240TCB-1AR1ZAB	6Gb/s SATA	240GB	MU021	3D TLC
		MTFDDAK480TCB	MTFDDAK480TCB-1AR1ZAB	6Gb/s SATA	480GB	MU021	3D TLC
		MTFDDAK960TCB	MTFDDAK960CB-1AR1ZAB	6Gb/s SATA	960GB	MU021	3D TLC
		MTFDDAK1T9TCB	MTFDDAK1T9TCB-1AR1ZAB	6Gb/s SATA	1920GB	MU021	3D TLC
		MTFDDAK3T8TCB	MTFDDAK3T8TCB-1AR1ZAB	6Gb/s SATA	3840GB	MU021	3D TLC
	1300	MTFDDAK256TDL	MTFDDAK256TDL-1AW1ZABYY	6Gb/s SATA	256GB	M5MU000	TLC
		MTFDDAK512TDL	MTFDDAK512TDL-1AW1ZABYY	6Gb/s SATA	512GB	M5MU000	TLC
		MTFDDAK1T0TDL	MTFDDAK1T0TDL-1AW1ZABYY	6Gb/s SATA	1TB	M5MU000	TLC
		MTFDDAK2T0TDL	MTFDDAK2T0TDL-1AW1ZABYY	6Gb/s SATA	2TB	M5MU000	TLC
	5210 ION	MTFDDAK1T9QDE	MTFDDAK1T9QDE-2AV1ZABYY	6Gb/s SATA	1.92TB	D2MU001	3D QLC
		MTFDDAK3T8QDE	MTFDDAK3T8QDE-2AV1ZABYY	6Gb/s SATA	3.84TB	D2MU001	3D QLC
Intel	**320 Series**	SSDSA2CW120G3	SSDSA2CW120G3	3Gb/s SATA	120GB	362	MLC
		SSDSA2CW300G3	SSDSA2CW300G3	3Gb/s SATA	300GB	362	MLC
	X25-M Series	SSDSA2M160G2GN	SSDSA2M160G2GN	3Gb/s SATA	160	02M3	MLC
	S3610	SSDSC2BX180G4	SSDSC2BX180G4	6Gb/s SATA	1.6TB	110	MLC
		SSDSC2BX120G4	SSDSC2BX120G4	6Gb/s SATA	1.2TB	110	MLC
		SSDSC2BX800G4	SSDSC2BX800G4	6Gb/s SATA	800GB	110	MLC
		SSDSC2BX400G4	SSDSC2BX400G4	6Gb/s SATA	400GB	110	MLC
		SSDSC2BX200G4	SSDSC2BX200G4	6Gb/s SATA	200GB	110	MLC
	D3-S4510	SSDSC2KB019T8	SSDSC2KB019T8	6Gb/s SATA	1.9TB	XCV10110	3D2 TLC
Toshiba	**Hawk M4**	THNSN8200PCSE ET	205E6718	6Gb/s SATA	200GB	6101	MLC
	Enterprise SSD PM5-R	KPM51RUG480G KPM51RUG960G KPM51RUG1T92 KPM51RUG3T84	KPM51RUG480G SDFBE06GEA01 KPM51RUG1T92 KPM51RUG3T84	12Gb/s SAS	480GB 960GB 1,920GB 3,840GB	0107 0107 0107 0107	TLC TLC TLC TLC
	HK61	KHK61RSE1T92	KHK61RSE1T92	6Gb/s SATA	1,920GB	6101	3D TLC
Samsung	**850 EVO**	SSD 850 PRO 1TB MZ-7KE1T0BW	SSD 850 PRO 1TB MZ-7KE1T0BW	6Gb/s SATA	1TB	EXM04B6Q	V-NAND
	SM863T	MZ7KM480HAHP-0E005	MZ7KM480HAHP-0E005	6Gb/s SATA	480GB	003Q	MLC
		MZ7KM960HAHP-0E005	MZ7KM960HAHP-0E005	6Gb/s SATA	960GB	003Q	MLC
	Enterprise SSD PM1643	MZILT960HAHQ-00007	MZILT960HAHQ-00007	12Gb/s SAS	960GB	GXF2	MLC

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	860 Pro	MZ-76P1T0	MZ-7KH1T0HAJR	6Gb/s SATA	1TB	1B6Q	V-NAND
	PM1643	MZILT1T9HAJQ-00007	MZILT1T9HAJQ-00007	12Gb/s SAS	1.92TB	GXF4	V-NAND
Seagate	**XF1230**	XF1230 -101920	2BY172-380	6Gb/s SATA	1920GB	354	eMLC
	Nytro 3331 Series	SX960SE70004	2LZ200-002	12Gb/s SAS	960GB	0002 0003	3D eTLC
		XS1920SE70004	XS1920SE70004	12Gb/s SAS	1.92TB	0002 0003	3D eTLC
innodisk	**3TG6-P**	DGS25-01TM71EC1QF-H04	DGS25-01TM71EC1QF-H04	6Gb/s SATA	1TB	0ZPY	3D TLC
		DGS25-02TM71ECAQF-H04	DGS25-02TM71ECAQF-H04	6Gb/s SATA	2TB	0ZS6	3D TLC
HUAWEI	**ES3500S-V5**	HWE52SS33T8L002N	HWE52SS33T8L002N	12Gb/s SAS	3.84TB	2158	3D TLC
	ES3600S-V5	HWE52SS31T6M002N	HWE52SS31T6M002N	12Gb/s SAS	1.6TB	2158	3D TLC
Kingston	**DC500R**	SEDC500R	SEDC500R	6Gb/s SATA	3.84TB	004.A03G	3D TLC
		SEDC500R	SEDC500R	6Gb/s SATA	1.92TB	004.A03G	3D TLC
		SEDC500R	SEDC500R	6Gb/s SATA	960GB	004.A03G	3D TLC
		SEDC500R	SEDC500R	6Gb/s SATA	480GB	004.A03G	3D TLC
WD	**RED SA500 NAS Series**	WDS400T1R0A	WDS400T1R0A	SATA 6Gb/s	4TB	00WR	TLC
		WDS200T1R0A	WDS200T1R0A	SATA 6Gb/s	2TB	00WR	TLC
		WDS100T1R0A	WDS100T1R0A	SATA 6Gb/s	1TB	00WR	TLC
		WDS500G1R0A	WDS500G1R0A	SATA 6Gb/s	500GB	00WR	TLC
KIOXIA	**PM6-R Series**	KPM61RUG1T92	SDFUS05GEA91T	SAS 24Gb/s	1.92TB	0103	TLC
		KPM61RUG960G	SDFUS05GEA91T	SAS 24Gb/s	960GB	0103	TLC

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