

Summary of HDD tested with SAS2/SAS3 Expanders

Last updated on 03/24/2017

	HDD		Expander	AOC	Remarks
	Model	Size	Model	Model	
Hitachi	HUA723020ALA640	2TB	BPN-SAS2-846EL2	SAS2LP-H8IR	
	HUA723030ALA640	3TB	BPN-SAS2-826EL2/846EL2	SAS2LP-H8IR	
	HUS724040AL	4TB	BPN-SAS2-847D	AOC-S2308L-H8i	
	HUS724040ALE640	4TB	BPN-SAS2-826EL1/846EL1	2308-IT	Test under on-board 2308-IT HBA
	HUS724040ALE640	4TB	BPN-SAS2-826EL1	AOC-S2208L-H8IR	
	HUS724040ALE640	4TB	BPN-SAS2-846EL2	AOC-S2308L-L8i-O-P/SAS2LP-H8IR	
	HUS726060ALS640	6TB	BPN-SAS2-846EL1	AOC-S2208L-H8IR	
	HUS726060ALS640	6TB	BPN-SAS3-847EL2	AOC-S3108L-H8IR	
	HUS726060ALS211	6TB	BPN-SAS3-846EL2	AOC-S3108L-H8IR	
	HUH728080ALS200	8TB	BPN-SAS3-826EL2	AOC-S3108L-H8IR	
	HUH728080ALS204	8TB	BPN-SAS3-846EL2	SAS2LP-H8IR	
	HUH728080ALS204	8TB	BPN-SAS3-826EL2	AOC-S3108L-H8IR	
	HUH721010AL4200	10TB	BPN-SAS3-216EL2	AOC-S3108L-H8IR	
	HUC109030CS5600	300GB	BPN-SAS3-216EL2	AOC-S2208L-H8IR rev1.02	
	HUS156060CS5200	600GB	BPN-SAS3-216EL2	AOC-S3108L-H8IR	
	HUC101818CS4204	1800GB	BPN-SAS3-216EL2	AOC-S3108L-H8IR	
Micron	C300	256GB	BPN-SAS2-216EL2	SAS2LP-H4IR	
	C400	128/256/512GB	BPN-SAS2-216EL2	SAS2LP-H8IR	Raid5/Raid6 random write slow
Seagate	ST500NM0001	500GB	BPN-SAS2-846EL1	SAS2LP-H8IR	
	ST1000NM0001	1TB	BPN-SAS2-826EL2/836EL2/846EL2/847EL2	SAS2LP-H8IR	
	ST1000NM0001	1TB	BPN-SAS2-836EL2	AOC-S2208L-H8IR	
	ST1000NM0001	1TB	BPN-SAS2-846EL2	AOC-S2308L-L8i	
	ST1000NM0001	1TB	BPN-SAS3-826EL1/EL2	AOC-S3108L-H8IR	
	ST500NM0011	500GB	BPN-SAS2-836EL2	SAS2LP-H8IR	
	ST2000NM0011	2TB	BPN-SAS2-836EL2	SAS2LP-H8IR	
	ST2000NM0001	2TB	BPN-SAS2-846EL2/847EL2	SAS2LP-H8IR	
	ST3300657SS	300GB	SAS2-936EL1	SAS2LP-H8IR/AOC-S2208L-H8IR	
	ST3500414SS	500GB	BPN-SAS2-826EL2	SAS2LP-H8IR	
	ST31000424SS	1TB	BPN-SAS2-826EL2	SAS2LP-H8IR	
	ST32000444SS	2TB	BPN-SAS2-826EL2	SAS2LP-H8IR	
	ST32000644NS	2TB	BPN-SAS2-846EL2/847EL2	SAS2LP-H8IR	
	ST32000645NS	2TB	BPN-SAS2-836EL2/846EL2	SAS2LP-H8IR	
	ST33000650NS	3TB	BPN-SAS2-836EL2/846EL2	SAS2LP-H8IR	
	ST33000650NS	3TB	BPN-SAS2-846EL1	SAS2LP-H8IR	
	ST32000645SS	2TB	BPN-SAS2-836EL2/847EL2	SAS2LP-H8IR	
	ST33000650SS	3TB	BPN-SAS2-847EL2	SAS2LP-H8IR	
	ST9300603SS	300GB	BPN-SAS2-216EL1	SAS2LP-H8IR	
	ST9600205SS	600GB	BPN-SAS2-216EL2	SAS2LP-H8IR	
	ST91000640SS	1TB	BPN-SAS2-216EL1	SAS2LP-H8IR	
	ST91000640NS	1TB	BPN-SAS2-213EL1/L2	AOC-S2208L-H8IR	
	ST4000NC0011	4TB	BPN-SAS2-846EL1	AOC-S2208L-H8IR	
	ST4000NM0033	4TB	BPN-SAS2-846EL1	AOC-S2308L-H8i	
	ST4000NM0033-9ZM	4TB	BPN-SAS2-846EL2/847EL2	AOC-S2208L-H8IR	
	ST300MM0026	300GB	BPN-SAS2-216EL1/EL2	AOC-S2208L-H8IR	
	ST300MM0026	300GB	BPN-SAS3-216EL1/EL2	AOC-S3108L-H8IR	
	ST600MX0052	600GB	BPN-SAS3-216EL1/EL2	AOC-S3108L-H8IR	
	ST600MX0082	600GB	BPN-SAS3-216EL1/EL2	AOC-S3108L-H8IR	
	ST800FM0043	800GB	BPN-SAS3-216EL1-N4	AOC-S3108L-H8IR	
	ST1800MM0018	1.8TB	BPN-SAS3-216EL1-N4	AOC-S3108L-H8IR	
	ST1800NM0128	1.8TB	BPN-SAS3-216EL2	AOC-S3108L-H8IR	
	ST2000NX0243	2TB	BPN-SAS3-216EL2	AOC-S3108L-H8IR	
	ST3200FM0023	3.2TB	BPN-SAS3-216EL2	AOC-S3108L-H8IR	
	ST3200FM0023	3.2TB	BPN-SAS3-216EL1-N4	AOC-S3108L-H8IR	
	ST2000NM0034	2TB	BPN-SAS3-826EL2	AOC-S3108L-H8IR	
	ST2000NM0014	2TB	BPN-SAS3-836EL2/846EL2	AOC-S3108L-H8IR	
	ST3000NC0021	3TB	BPN-SAS3-846EL2	AOC-S3108L-H8IR	
	ST6000NM0014	6TB	BPN-SAS3-826EL2/846EL2	AOC-S3108L-H8IR	
	ST6000NM0014	6TB	BPN-SAS3-847D/BPN-SAS3-826EL1-N4	AOC-S3008L-H8i	
ST6000NM0034	6TB	BPN-SAS3-846EL1-N8	AOC-S3108L-H8IR		
ST6000NM0034	6TB	BPN-SAS3-846EL2/847EL2	AOC-S3108L-H8IR		
ST6000NM0095	6TB	BPN-SAS3-846EL2	AOC-S3108L-H8IR		
ST6000NM0115	6TB	BPN-SAS3-846EL2	AOC-S3108L-H8IR		

	ST8000NM0055	8TB	BPN-SAS2-846EL2	AOC-S2208L-H8IR	
	ST8000NM0055	8TB	BPN-SAS3-846EL2	AOC-S3108L-H8IR	
	ST8000NM0055	8TB	BPN-SAS3-847DE-48C/BPN-SAS3-847DE-24C	AOC-S3008L-H8i	
	ST8000NM0065	8TB	946ED-R2KJBOD	SAS 9300-8E	Tested with Avago SAS 9300-8E
	ST8000NM0075	8TB	BPN-SAS2-846EL2	AOC-S2208L-H8IR	
	ST8000NM0075	8TB	BPN-SAS3-847DE-24C / BPN-SAS3-847DE-48C	AOC-S3008L-H8i	
	ST8000NM0075	8TB	BPN-SAS3-846EL2	AOC-S3108L-H8IR	
	ST8000NM0075	8TB	946ED-R2KJBOD	SAS 9300-8E	Tested with Avago SAS 9300-8E
	ST10000NM0016	10TB	BPN-SAS3-826EL2	AOC-S3108L-H8IR	
	ST10000NM0016	10TB	BPN-SAS3-846EL2	AOC-S3108L-H8IR	
<b>Toshiba</b>	AL145EB030N	300GB	BPN-SAS3-216EL2	AOC-S3108L-H8IR	
	MK4001GRZB	400GB	BPN-SAS2-216EL2	SAS2LP-H8IR	
	AL135EB900	900GB	BPN-SAS2-216EL1/EL2	AOC-S2208L-H8IR/AOC-S2308L-L8i	
	AL135EB900	900GB	BPN-SAS3-216EL1/EL2	AOC-S3108L-H8IR/AOC-S2208LH8IR rev1.02	
	PX025MF020	200GB	BPN-SAS3-216EL2	AOC-S2208L-H8IR rev1.02	
<b>WD</b>	WD2003FYYS	2TB	BPN-SAS2-846EL2	SAS2LP-H8IR	
	WD2503ABYX	250GB	BPN-SAS2-826EL2	SAS2LP-H8IR	
	WD5003ABYX	500GB	BPN-SAS2-826EL2	SAS2LP-H8IR	
	WD1003FBYX	1TB	BPN-SAS2-826EL2	SAS2LP-H8IR	
	WD1000CHT28	1TB	BPN-SAS2-216EL2	AOC-S2208L-H8IR	
	WD1000CHT28	1TB	BPN-SAS3-216EL1-N4	AOC-S3108L-H8IR	
	WD2000FYZ	2TB	BPN-SAS2-826EL2	AOC-S2208L-H8IR	
	WD3000F9YZ	3TB	BPN-SAS3-826EL1	AOC-S3108L-H8IR	
	WD3000FYZ	3TB	BPN-SAS2-836EL2	AOC-S2208L-H8IR	
	WD3000FYZ	3TB	BPN-SAS3-826EL1/EL2	AOC-S3108L-H8IR	
	WD4000FYZ	4TB	BPN-SAS2-846EL1	AOC-S2308L-H8i	
	WD4000FYZ	4TB	BPN-SAS2-836EL2/846EL1/846EL2	AOC-S2208L-H8IR	
	WD4000FYZ	4TB	BPN-SAS3-836EL2	AOC-S3108L-H8IR	
	WD4000FYZ	4TB	BPN-SAS3-846EL2/847EL2	AOC-S3108L-H8IR	
	WD4000FYZ	4TB	BPN-SAS3-847D	AOC-S3108L-H8i	
	WD4001FYYG	4TB	BPN-SAS2-846EL2	AOC-S2208L-H8IR	
	WD4001FYYG	4TB	BPN-SAS3-826EL1/846EL2	AOC-S3108L-H8IR	

Notes: EL2 (redundant) backplanes require SAS drives for MPIO.

SAS1 backplane is going to be obsolete. SAS1 backplane is not able to support SATA 6Gbps (SATA3) or SAS2 hard drives. Please upgrade to SAS2 backplane.

LED indicator behavior of SATA disk may differ from vendor to vendor.



Intel	SSDSC2BA800G3	SSDSC2BA400G3	SSDSA2BW080G3	SSDSC2MH250A2K5	SSDSA2BW600G3	SSDSC2BW480A3FE	SSDSA2BT040G3
	SSDSC2BA100G3	SSDSC2BA800G3	SSDSA2BW160G3	SSDSA2BZ200G3	SSDSC2BW480A3FE	SSDSC2BW120A3FE	SSDSA2BW080G3
	SSDSC2BB600G4	SSDSC2BB800G4	SSDSA2BZ300G3	SSDSA2BZ300G3 (ES)	SSDSC2BA800G3	SSDSC2BA400G3(ES)	SSDSA2BW600G3
	SSDSC2BK016T4	SSDSC2BB016T4	SSDSC2MH250A2K5	SSDSC2BW480A3FE	SSDSC2BA200G3	SSDSC2BA800G3	SSDSA2BZ100G3
	SSDSC2BA012T4	SSDSC2BK016T4	SSDSA2BT040G3	SSDSC2BB080G4	SSDSC2BA200G3	SSDSC2BA200G3	SSDSC2CW060A310
	SSDSC2BB012T6	SSDSC2BA012T4	SSDSA2BW600G3	SSDSC2BA800G3	SSDSC2BB300G4	SSDSC2BA100G3	
	SSDSC2BB016T7	SSDSC2BB016T6	SSDSA2BZ100G3	SSDSC2BA200G3	SSDSC2BB800G4	SSDSC2BB800G4	
		SSDSC2BB016T7	SSDSA2BZ200G3	SSDSC2BA100G3	SSDSC2BB120G4	SSDSC2BB480G4	
			SSDSA2BZ300G3 (ES)	SSDSC2BB080G4	SSDSC2BK016T4	SSDSC2BB120G4	
			SSDSC2BW180A3 [ES]	SSDSC2BB160G4		SSDSC2BB600G4	
			SSDSC2BW240A3FE	SSDSC2BB300G4		SSDSC2BB016T6	
			SSDSC2BW060A3FE	SSDSC2BB800G4			
			SSDSC2BA400G3	SSDSC2BB120G4			
			SSDSC2BA200G3	SSDSC2BB240G4			
			SSDSC2BB300G4				
			SSDSC2BB800G4				
			SSDSC2BB600G4				
Samsung	MZ7WD240HCFV-00003	MZ7WD120HCFV-00003	HE1035J	MZ7PD120HAFV-000DA	MZ7PD120HAFV-000DA	MZ7LM3T8HCJM-00005	
	MZ7WD960HMHP-00003	MZ7WD480HCGM-00003	HE502HJ		MZ7WD120HCFV-00003	MZ7KM1T9HAJM-00005	
	MZ7GE480HMHP-00003	MZ7WD960HMHP-00003	MZ7GE480HMHP-00003		MZ7WD120HCFV-00003		
	MZ7LM3T8HCJM-00005	MZ7GE960HMHP-00003			MZ7WD960HMHP-00003		
	MZ7KM1T9HAJM-00005	MZ7LM3T8HCJM-00005			MZ7GE960HMHP-00003		
	MZ7LM3T8HMLP-00005	MZ7KM1T9HAJM-00005			MZ7LM3T8HCJM-00005		
		MZ7LM3T8HMLP-00005			MZ7KM1T9HAJM-00005		
HBA Controller							
	LSI 3008	LSI 3108	LSI 2008	LSI 2108	LSI 2208	LSI 2308	LSI 1078
Seagate	ST36000575S	ST900MM0006	ST9500530NS	ST9160511NS	ST33006575S	ST36000575S	ST3500514NS
	ST4000NM0033	ST4000NM0033	ST33006575S	ST93006530NS	ST9500620NS	ST91000640NS	ST31000524NS
	ST4000NM0023	ST3000NM0023	ST36000575S	ST34508025S	ST91000640NS	ST33000650NS	ST32000644NS
	ST3000NM0033	ST900MM0026	ST9250610NS	ST36000025S	ST91000640NS	ST99008055S	ST9160511NS
	ST1200MM0017	ST1200MM0017	ST9500620NS	ST94504045S	ST33000650NS	ST96002055S	ST9500530NS
	ST600MX0001	ST600MX0001	ST91000640NS	ST96002045S	ST1000NM0001	ST2000NM0001	ST35004145S
	ST400FM0053	ST400FM0053	ST33006575S	ST33006575S	ST33006505S	ST1000NM0001	ST320004445S
	ST800FM0043	ST800FM0043	ST33000650NS	ST36000575S	ST2000NM0011	ST2000NM0011	ST310004245S
	ST450MM0026	ST6000NM0024	ST9500620NS	ST91468525S	ST93006535S	ST500NM0011	ST95004305S
	ST5000NM0024	ST2000NM0024	ST91000641NS	ST9734525S	ST93006505S	ST91468535S	ST94504045S
	ST6000NM0024	ST4000NM0024	ST99008055S	ST9250610NS	ST800FM0002	ST93006535S	ST96002045S
	ST4000NM0024	ST6000NM0034	ST94504055S	ST9500620NS	ST32700651NS	ST800FM0002	ST36000575S
	ST6000NM0034	ST300MP0005	ST96002055S	ST91000640NS	ST32000645NS	ST32400651NS	ST91468525S
	ST4000NM0034	ST600MP0005	ST2000NM0001	ST91000640NS	ST32000645NS	ST32000645NS	ST9250610NS
	ST300MP0005	ST600MX0052	ST1000NM0001	ST33000650NS	ST900MM0006	ST100FM0012	ST9500620NS
	ST600MP0005	ST2000NM0004	ST500NM0001	ST9500620NS	ST4000NM0033	ST100FM0002	ST91000640NS
	ST600MX0052	ST6000NM0004	ST33000650NS	ST91000641NS	ST4000NM0023	ST200FM0002	ST91000640NS
	ST5000NM0084	ST4000NM0014	ST2000NM0011	ST99008055S	ST3300NC000	ST400FM0002	ST9500620NS
	ST6000NM0004	ST4000NM0004	ST500NM0011	ST94504055S	ST1000NC000	ST200FM0012	ST99008055S
	ST4000NM0014	ST6000NM0014	ST1000NM0011	ST96002055S	ST3000NM0023	ST1000NC001	ST94504055S
	ST4000NM0004	ST1000NX0303	ST91468535S	ST2000NM0001	ST2000NM0023	ST900MM0006	ST96002055S
	ST6000NM0014	ST1000NX0333	ST93006535S	ST1000NM0001	ST1000NM0023	ST4000NM0033	ST2000NM0001
	ST1000NX0303	ST1000NX0313	ST93006505S	ST500NM0001	ST3000NM0033	ST1000NC000	ST1000NM0001
	ST2000NX0263	ST2000NX0253	ST400FM0012	ST33000650NS	ST2000NM0033	ST3000NM0033	ST500NM0001
	ST1000NX0323	ST2000NX0263	ST2000NM0011	ST32700651NS	ST900MM0026	ST2000NM0033	ST1000NM0011
	ST2000NX0273	ST1000NX0323	ST32400651NS	ST500NM0011	ST600MM0026	ST1000NM0033	ST91468535S
	ST2000NX0243	ST2000NX0273	ST32000645NS	ST1000NM0011	ST3000NM0026	ST600MM0026	ST93006535S
	ST600MX0082	ST2000NX0243	ST100FM0012	ST91468535S	ST1200MM0017	ST1200MM0017	ST93006505S
	ST8000AS0002	ST300MX0012	ST100FM0002	ST93006535S	ST5000NM0024	ST800FM0043	ST400FM0012
	ST1200MM0118	ST1200MM0118	ST200FM0002	ST93006505S	ST6000NM0024	ST2000NM0024	ST800FM0002
	ST1800MM0128	ST1200MM0158	ST400FM0002	ST400FM0012	ST6000NM0034	ST600MP0005	ST32000645NS
	ST1800MM0018	ST1800MM0128	ST100FX0002	ST800FM0002	ST300MP0005	ST6000NM0014	ST100FM0012
	ST1800MM0088	ST1800MM0088	ST3000NC002	ST32700651NS	ST600MP0005	ST1000NX0303	ST200FM0002
	ST1200MM0088	ST1800MM0018	ST200FM0012	ST32000645NS	ST600MX0052	ST1000NX0333	ST100FX0002
	ST2000NX0403	ST1800MM0008	ST1000NC001	ST32000645NS	ST5000NM0084	ST2000NX0253	
	ST2000NX0433	ST1200MM0088	ST2000NC001	ST900MM0006	ST4000NM0004	ST2000NX0263	
	ST1600FM0003	ST2000NX0403	ST9000MM0006	ST4000NM0033	ST6000NM0014	ST2000NX0243	
	ST3200FM0023	ST2000NX0433	ST4000NM0033	ST4000NM0023	ST1000NX0313	ST1800MM0128	
	ST8000NM0075	ST1600FM0003	ST4000NM0023	ST2000NC000	ST2000NX0253	ST1800MM0008	
	ST8000NM0055	ST3200FM0023	ST3000NM0023	ST3000NM0023	ST2000NX0263	ST8000NM0075	

	ST8000NM0065	ST200FM0053	ST3000NM0033	ST2000NM0023	ST2000NX0273	ST8000NM0055	
	ST8000NM0045	ST8000NM0075	ST2000NM0033	ST1000NM0023	ST2000NX0243	ST6000NM0095	
	ST6000NM0105	ST8000NM0055	ST1000NM0033	ST2000NM0033	ST800FM0063		
	ST6000NM0115	ST6000NM0115	ST900MM0026	ST900MM0026	ST900MM0128		
	ST6000NM0095	ST6000NM0095	ST1200MM0017	ST600MM0026	ST1800MM0088		
	ST10000NM0016	ST6000NM0125		ST300MM0026	ST1800MM0018		
	ST4000NM0025	ST3840FM0003		ST120FP0021	ST1200MM0088		
	ST4000NM0035	ST6000NM0245		ST450MM0026	ST2000NX0403		
	ST3840FM0003	ST6000NM0235		ST4000NM0034	ST2000NX0433		
	ST6000NM0245	ST600MM0208		ST2000NX0253	ST8000NM0075		
	ST10000NM0086	XF1230-1A1920		ST8000NM0075	ST8000NM0055		
	ST6000NM0235	ST900MP0146			ST10000NM0016		
	ST600MM0208	ST10000NM0096					
	XF1230-1A1920	ST900MP0006					
	ST900MP0146	ST10000NM0206					
	ST10000NM0096						
	ST2000NM0008						
	ST900MP0006						
	ST10000NM0146						
<b>WD</b>	WD4000FYYZ	WD1000CHTZ	WD5003ABYX	WD5003ABYX	WD5003ABYX	WD5003ABYX	WD1003FBYX
	WD1003FBYX	WD4000FYYZ	WD1003FBYX	WD1003FBYX	WD2003FYYS	WD2003FYYS	WD6000BLHX
	WD6001F4PZ-49CWHM0	WD4001FYYG	WD2003FYYS	WD2003FYYS	WD9001BKHG	WD6001BKHG	WD6000HLHX
	WD6001FSYZ-01SS7B0	WD9001HKHG	WD6000HLHX	WD6000BLHX	WD5000HHTZ	WD9001BKHG	WD3000BLHX
	WD2004FBYZ	WD6001F4PZ-49CWHM0	WD2503ABYX	WD6000HLHX	WD2500HHTZ	WD1000CHTZ	WD6001BKHG
	WD4002FYYZ	WD6001F9YZ-09YUWL0	WD1500BLHX	WD2503ABYX	WD4000FYYZ	WD5000BHTZ	WD2500BHTZ
	WD6002FRYZ	WD6001FSYZ-01SS7B0	WD3000BLHX	WD1500BLHX	WD2000FYYZ	WD5000HHTZ	WD2000FYYZ
		WD2004FBYZ	WD9001BKHG	WD3000BLHX	WD3000FYYZ	WD1000DHTZ	
		WD4002FYYZ	WD1000CHTZ	WD6001BKHG	WD2001FYYG	WD4000FYYZ	
			WD5000BHTZ	WD9001BKHG	WD3001FYYG	WD2000FYYZ	
			WD2500BHTZ	WD1000CHTZ	WD1001FYYG	WD3000FYYZ	
			WD5000HHTZ	WD5000BHTZ	WD6001HKHG	WD9001HKHG	
			WD2500HHTZ	WD2500BHTZ	WD5003ABYZ	WD5003ABYZ	
			WD1000DHTZ	WD5000HHTZ	WD6005FRPZ-01S9PB0	WD6005FRPZ-01S9PB0	
			WD2000FYYZ	WD2500HHTZ	WD6001F9YZ-09YUWL0		
			WD3000FYYZ	WD1000DHTZ	WD6001FSYZ-01SS7B0		
			WD2001FYYG	WD4000FYYZ	WD4002FYYZ		
			WD4001FYYG	WD2000FYYZ	WD6002FRYZ		
			WD3001FYYG	WD3000FYYZ			
			WD1001FYYG	WD2001FYYG			
			WD5003ABYZ	WD4001FYYG			
			WD2503ABYZ-011FA0	WD3001FYYG			
				WD1001FYYG			
				WD9001HKHG			
				WD6001HKHG			
				WD3001HKHG			
				WD5003ABYZ			
				WD2503ABYZ-011FA0			