

## Summary of HDD tested with SAS2/SAS3 Expanders

Last updated on 12/21/2017

	HDD		Expander	AOC
	Model	Size	Model	Model
<b>Hitachi</b>	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
	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
	HUS726060AL5211	6TB	BPN-SAS3-846EL2	AOC-S3108L-H8iR
	HUH728080AL5200	8TB	BPN-SAS3-826EL2	AOC-S3108L-H8iR
	HUH728080AL5204	8TB	BPN-SAS3-846EL2	SAS2LP-H8IR
	HUH728080AL5204	8TB	BPN-SAS3-826EL2	AOC-S3108L-H8iR
	HUH721010AL4200	10TB	BPN-SAS3-216EL2	AOC-S3108L-H8iR
	HUC109030CSS600	300GB	BPN-SAS3-216EL2	AOC-S2208L-H8iR rev1.02
	HUS156060CSS200	600GB	BPN-SAS3-216EL2	AOC-S3108L-H8iR
	HUC101818CS4204	1800GB	BPN-SAS3-216EL2	AOC-S3108L-H8iR
<b>Micron</b>	C300	256GB	BPN-SAS2-216EL2	SAS2LP-H4IR
	C400	128/256/512GB	BPN-SAS2-216EL2	SAS2LP-H8IR
<b>Seagate</b>	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
	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
	ST10000NM0016	10TB	BPN-SAS3-826EL2	AOC-S3108L-H8iR
	ST10000NM0016	10TB	BPN-SAS3-846EL2	AOC-S3108L-H8iR
<b>Toshiba</b>	AL14SEB030N	300GB	BPN-SAS3-216EL2	AOC-S3108L-H8iR
	MK4001GRZB	400GB	BPN-SAS2-216EL2	SAS2LP-H8iR
	AL13SEB900	900GB	BPN-SAS2-216EL1/EL2	AOC-S2208L-H8iR/AOC-S2308L-L8i
	AL13SEB900	900GB	BPN-SAS3-216EL1/EL2	AOC-S3108L-H8iR/AOC-S2208LH8iR rev1.02
	PX02SMF020	200GB	BPN-SAS3-216EL2	AOC-S2208L-H8iR rev1.02
<b>WD</b>	WD2003FYYZ	2TB	BPN-SAS2-846EL2	SAS2LP-H8iR
	WD2503ABYX	250GB	BPN-SAS2-826EL2	SAS2LP-H8iR
	WD5003ABYX	500GB	BPN-SAS2-826EL2	SAS2LP-H8iR
	WD1003F8YX	1TB	BPN-SAS2-826EL2	SAS2LP-H8iR
	WD1000CHT28	1TB	BPN-SAS2-216EL2	AOC-S2208L-H8iR
	WD1000CHT28	1TB	BPN-SAS3-216EL1-N4	AOC-S3108L-H8iR
	WD2000FYYZ	2TB	BPN-SAS2-826EL2	AOC-S2208L-H8iR
	WD3000F9YZ	3TB	BPN-SAS3-826EL1	AOC-S3108L-H8iR
	WD3000FYYZ	3TB	BPN-SAS2-836EL2	AOC-S2208L-H8iR
	WD3000FYYZ	3TB	BPN-SAS3-826EL1/EL2	AOC-S3108L-H8iR
	WD4000FYYZ	4TB	BPN-SAS2-846EL1	AOC-S2308L-H8i
	WD4000FYYZ	4TB	BPN-SAS2-836EL2/846EL1/846EL2	AOC-S2208L-H8iR
	WD4000FYYZ	4TB	BPN-SAS3-836EL2	AOC-S3108L-H8iR
	WD4000FYYZ	4TB	BPN-SAS3-846EL2/847EL2	AOC-S3108L-H8iR
	WD4000FYYZ	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.

# Summary of HDD tested with TQ/A version backplanes

Last updated on 12/21/2017

	HBA Controller					
	LSI 3008	LSI 3108	LSI 2008	LSI 2108	LSI 2208	LSI 2308
<b>Hitachi</b>	HUS724030ALE640	HUC109030CSS600	HUS156045VLS600	HUA722020ALA330	HUA722010CLA330	HUS156060VLS600
	HUC101212CSS600	HUC101212CSS600	HUS156060VLS600	HUS156045VLS600	HUS156060VLS600	HUS156030VLS600
	HUC721010ASS600	HUS726060ALA640	HUS156030VLS600	HUS156060VLS600	HUS156030VLS600	HUS724040ALE640
	HUSMH8040ASS200	HUC721010ASS600	HUA723030ALA640	HUS156030VLS600	HUS724040ALE640	HUS723020ALS640
	HUSMH8080ASS200	HUSMH8040ASS200	HUA723020ALA640	HUA723030ALA640	HUS724030ALE640	HUS724030ALE640
	HUC156030CSS200	HUSMH8080ASS200	HUS723030ALS640	HUA723020ALA640	HUC151414CSS600	HUC151414CSS600
	HUH728080ALE604	HUC156030CSS200	HUS723020ALS640	HUS724030ALE640	HUS724020ALE640	HUS724020ALE640
	HUC101818CS4204	HUC156045CSS200	HUS724020ALE640	HUC151414CSS600	HUS724040ALA640	HUS724040ALA640
	HUS726020ALE614	HUS726060ALS64	HUS724040ALA640	HUS724020ALE640	HUC109030CSS600	HUC109030CSS600
	HUH728080AL5204	HUS726060ALA01	HUC109030CSS600	HUS724040ALA640	HUC109090CSS600	HUC109090CSS600
	HUH728080AL5200	HUH728080ALE604	HUC109060CSS600	HUC109030CSS600	HUC109060CSS600	HUC109060CSS600
	HUSMR1610ASS200	HUC101818CS4204	HUS724020ALA640	HMS5C4040ALE640	HUS724030ALA640	HUS724020ALA640
	HUSMH8020BSS200	HUS726050ALE614		HUS724030ALA640	HUS724020ALA640	HUC101212CSS600
	HUSMM1616ASS201	HUH728080AL5204		HUS724020ALA640	HUC101212CSS600	HUS724040ALS640
	HUC101818CS4200	HUH728080AL5200		HUC101212CSS600	HUS724040ALS640	HUS726060ALA640
	HUH728080AL4200	HUSMR1610ASS200		HUS724040ALS640	HUS724020ALS640	HUSMM1616ASS201
	HUH728080ALN600	HUSMH8020BSS200		HUS724020ALS640	HUS724030ALS640	HUS726060ALE614
	HUS726060AL4210	HUSMM1616ASS201		HUS726060ALA640	HUS726060ALA640	HUH728080ALN600
	HUS726060ALN610	HUS726060ALE614		HUC721010ASS600	HUC721010ASS600	HUS726060ALS210
	HUC156060CS4200	HUC101818CS4200		HUS726060ALS64	HUSMH8080ASS200	
	HUH721010ALN600	HUH728080AL4200			HUS726060ALS64	
	HUH721010ALE600	HUH728080ALN600			HUH728080ALE604	
	HUH721010AL4200	HUS726060ALN610			HUC101818CS4204	
	HUH721010AL5200	HUH721010ALE600			HUS726040ALE614	
	HUS722T2TALA604	HUH721010AL4200			HUH728080AL5204	
					HUH728080AL5200	
					HUSMR1610ASS200	
					HUS726060ALE614	
					HUH728080AL4200	
					HUH728080ALN600	
<b>Toshiba</b>	MK3001GRRB	MK3001GRRB	MBF2300RC	MBF2300RC	MK2001GRZB	MBF2600RC
	PX02SMF020	AL13SEB900	MBF2450RC	MBF2600RC	MK1001GRZB	MK4001GRZB
	PX03SNF080	PX02SMF020	MBF2600RC	MBD2147RC	MK1401GRRB	MK1002TSKB
	PX03SNB160	PX03SNF080	MBD2147RC	MBE2147RC	MG03ACA200	MK1001GRZB
	PX03SNF020	PX03SNF040	MBE2073RC	MBE2073RC	MG03ACA100	MK1401GRRB
	MG04ACA300E	PX03SNB160	MK1001TRKB	MK1001TRKB	AL13SEB900	MG03SCA100
	MG04ACA500E	MG04ACA500E	MK2001TRKB	MK2001TRKB	AL13SEB600	MG03SCA200
	MG04ACA200A	MG04ACA400A	MK5061GSYB	MK2561GSYB	MG03SCA400	AL13SEB900
	THNSNJ240PCS3	MG04ACA500A	MK4001GRZB	MK4001GRZB	PX03SNF040	AL13SEB300
	THNSNJ800PCSZ	THNSNJ800PCSZ	MK1002TSKB	MK2002TSKB	THNSNJ480PCS3	AL13SEB600
	THNSNJ200PCSZ	THNSNJ480PCSZ	MK2002TSKB	MK2001GRZB	MG04ACA500A	MG03ACA400
	THNSNJ480PCSZ	THNSNJ960PCSZ	MK2001GRZB	MK1001GRZB	THNSNJ800PCSZ	PX03SNF040
	MG04ACA600E	MG04ACA600E	MK1001GRZB	MK1401GRRB	THNSNJ480PCSZ	MG04ACA500A
	MG04ACA600A	MG04ACA600A	MK1401GRRB	MK3001GRRB	MG04ACA600E	THNSNJ200PCSZ
	AL14SEB030N	AL14SEB030N	MK3001GRRB	MG03SCA300	MG04ACA600A	THNSNJ400PCSZ
	PX04SRB384	PX04SRB384	MG03ACA200	MG03ACA200	AL14SEB030N	THNSNJ960PCSZ
	MG04SCA60EA	AL14SEB060N	MG03SCA100	MG03ACA300	MG04SCA60EE	MG04ACA600E
	MG04SCA60EE	AL14SEB18EP	MG03ACA400	MG03SCA100		PX04SRB384
	PX04SMB320			AL13SEB900		
	PX04SVB384			AL13SEB300		
	AL14SEB060N			AL13SEB600		
	AL14SEB18EP			MG03SCA400		
				MG04ACA400E		
<b>Micron</b>	MTFDDAK480MBB-1AE1ZABYY	MTFDDAK480MBB-1AE1ZABYY	MTFDDAC050SAL-1N1AA	MTFDDAC050SAL-1N1AA	MTFDDAK800MBB-1AE1ZABYY	MTFDDAC128MAM-1J1
	MTFDDAK800MBB-1AE1ZABYY	MTFDDAK800MBB-1AE1ZABYY	MTFDDAC100SAL-1N1	MTFDDAC128MAM-1J1	MTFDDAK960MBB-1AN1ZABYY	MTFDDAK200MAR-1K1AA



	ST1200MM0118	ST1200MM0118	ST200FM0002	ST9300605SS	ST6000NM0024	ST2000NM0024
	ST1800MM0128	ST1200MM0158	ST400FM0002	ST400FM0012	ST6000NM0034	ST600MP0005
	ST1800MM0018	ST1800MM0128	ST100FX0002	ST800FM0002	ST300MP0005	ST6000NM0014
	ST1800MM0008	ST1800MM0088	ST3000NC002	ST32700651NS	ST600MP0005	ST1000NX0303
	ST1200MM0088	ST1800MM0018	ST200FM0012	ST32000645NS	ST600MX0052	ST1000NX0333
	ST2000NX0403	ST1800MM0008	ST1000NC001	ST32000645SS	ST5000NM0084	ST2000NX0253
	ST2000NX0433	ST1200MM0088	ST2000NC001	ST900MM0006	ST4000NM0004	ST2000NX0263
	ST1600FM0003	ST2000NX0403	ST900MM0006	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
	WD1003FBYZ	WD4000FYYZ	WD1003FBYX	WD1003FBYX	WD2003FYYS	WD2003FYYS
	WD6001F4PZ-49CWHM0	WD4001FYYG	WD2003FYYS	WD2003FYYS	WD9001BKHG	WD6001BKHG
	WD6001FSYZ-01SS7B0	WD9001HKHG	WD6000HLHX	WD6000BLHX	WD5000HHTZ	WD9001BKHG
	WD2004FBYZ	WD6001F4PZ-49CWHM0	WD2503ABYX	WD6000HLHX	WD2500HHTZ	WD1000CHTZ
	WD4002FYYZ	WD6001F9YZ-09YUWLO	WD1500BLHX	WD2503ABYX	WD4000FYYZ	WD5000BHTZ
	WD6002FRYZ	WD6001FSYZ-01SS7B0	WD3000BLHX	WD1500BLHX	WD2000FYYZ	WD5000HHTZ
		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-09YUWLO	
			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		