



FlacheSAN1N U.2 Enclosure Approved Vendor List (AVL)

Description

This document is to present the vendor components that are qualified and approved to be used in conjunction with Echostreams enclosure. The list is curated from Echostreams lab test results, as well as from AVL and QVL of the aforementioned components. Items unlisted do not reflect on their incompatibility rather than they have yet looked upon. Disqualified items may be listed explicitly. Items on the list are subject to change.

Enclosures

FlacheSAN1N10U-UN
FlacheSAN1N20U-UN

Lists

[CPU](#)

[Memory](#)
[NVMe](#)

[IO Card](#)
[OS Drive](#)

Document Version	1.00
Release Date	2017.10.30

CPU AVL

Socket	Family	Number	Core	Frequency	Cache	TDP
SP3	Naples	7551	32	2.0GHz	64M	180W
SP3	Naples	7451	24	2.3GHz	64M	180W
SP3	Naples	7601	32	2.2GHz	64M	180W
SP3	Naples	7351P	16	2.4GHz	64M	155/170W
SP3	Naples	7351	16	2.4GHz	64M	155/170W

IO Card AVL

This list is compiled based on the compatibility between the host IO cards and the enclosure.

IO Card	Vendor	Name	Model	Chipset	Host Bus	Cle Lan	Xfer Rate	Int. Port	Ext. Port	Connector	Form Factor
IOM	Broadcom		AOC-S2208L-H8iR	LSI SAS 2208	PCIe Gen3	x8					LP
			AOC-S2308L-L8i	LSI SAS 2308	PCIe Gen3	x8					LP
			AOC-S3008L-L8i	LSI SAS 3008	PCIe Gen3	x8					LP
			AOC-S3108L-H8iR	LSI SAS 3108	PCIe Gen3	x8					LP
<hr/>											
Network Card			MCX353A-FCBT		PCI-E 3.0	x8	56 Gb/s IB or 40 GbE		1 QSFP		LP
			MCX354A-FCBT		PCI-E 3.0	x8	56 Gb/s IB or 40 GbE		2 QSFP		LP
			SGP-i2		PCI-E 2.0	x4	1 GbE		2 RJ45		LP
			SGP-i4		PCI-E 2.0	x4	1 GbE		4 RJ45		LP
			STG-b4S		PCI-E 3.0	x8	10 GbE		4 SFP+		LP
			STG-i2T		PCI-E 2.0	x8	10 GbE		2 RJ45		LP
			STGN-i2S		PCI-E 2.0	x8	10 GbE		2 SFP+		LP
	Mellanox	ConnectX-3	CX354A		PCIe Gen3	x8	56Gb/s IB or 40GbE		2	QSFP	LP
			CX353A		PCIe Gen3	x8	56Gb/s IB or 40GbE		1	QSFP	LP
	ConnectX-4		CX456A		PCIe Gen3	x8	100Gb/s IB or GbE				LP
			CX415A		PCIe Gen3	x8	100Gb/s IB or GbE				LP
			CX416A		PCIe Gen3	x8	100Gb/s IB or GbE				LP
	Intel		X520	82599	PCIe Gen3	x8	10GbE		2	SFP+	LP
			XL710		PCIe Gen3	x8	40GbE		2	SFP+	LP
			X710-DA4		PCIe Gen3	x8			4	SFP+	LP
			X540-T2	540	PCIe Gen2	x8	10GbE	0	2	RJ-45	LP
			I350-T4V2		PCIe Gen2	x8	1GbE	0	2	RJ-45	LP
	Qlogic		QLE2563		PCIe Gen3	x8					LP
			QLE2672		PCIe Gen3	x8					LP
			QLE3242		PCIe Gen3	x8			2	RJ-45	LP

			QLE2562		PCI-E 2.0	x8	8 Gb/s FC		2 SFP+		LP
	HotLava		HL-100G2Q-XL	XL710	PCIe Gen3	x8	40GbE		1	QSFP	LP
	Atto		FC-322E				32Gb FC				LP
SAS Card	Broadcom	MegaRAID	SAS 9286-8e	SAS2208	PCIe Gen3	x8	6Gb/s	0	8	SFF-8088	LP
		HBA	SAS 9207-8e	SAS2308	PCIe Gen3	x8	6Gb/s	0	8	SFF-8087	LP
		HBA	SAS 9207-4i4e	SAS2308	PCIe Gen3	x8	6Gb/s	4	4	SFF-8087/88	LP
		HBA	SAS 9305-24i	SAS3224 IOC	PCIe Gen3	x8	12Gb/s	24	0	SFF-8644	LP
		HBA	SAS 9305-16e	SAS3224 IOC	PCIe Gen3	x8	12Gb/s	0	16	SFF-8644	LP
		HBA	SAS 9300-8e	SAS3008 IOC	PCIe Gen3	x8	12Gb/s	0	8	SFF-8644	LP
		HBA	SAS 9300-16e	SAS3008 IOC	PCIe Gen3	x8	12Gb/s	0	16	SFF-8644	LP
		HBA	SAS 9300-4i4e	SAS3008 IOC	PCIe Gen3	x8	12Gb/s	4	4	SFF-8643/44	LP
		MegaRAID	SAS 9380-8i8e	SAS3108 ROC	PCIe Gen3	x8	12Gb/s	8	8	SFF-8643/44	LP
		MegaRAID	SAS 9380-8e	SAS3108 ROC	PCIe Gen4	x8	12Gb/s	0	8	SFF-8644	LP
	Adaptec		ASR-71605								LP
	ATTO		H12F0				12Gb/s		16		LP
Storage Car	Samsung		SM1715		PCIe Gen3	x8	PCIe NVMe				LP
	Kingston		EP1000		PCIe Gen3	x8	PCIe NVMe				LP

Below is the list of U.2 NVMe SSD supported by the enclosure.

Vendor	Series	Model	Interface	Width	Capacity	Form Factor
Toshiba	PX04PMB080	SDFKR02GEA01	PCIe NVMe 3.0	x4	800GB	2.5" 15mm
		SDFKT02GEA01	PCIe NVMe 3.0	x4	960GB	2.5" 15mm
		SDFKS02GEA01	PCIe NVMe 3.0	x4	1TB	2.5" 15mm
	PX04PMB160	SDFKR01GEA01	PCIe NVMe 3.0	x4	1.6TB	2.5" 15mm
		SDFKT01GEA01	PCIe NVMe 3.0	x4	1.92TB	2.5" 15mm
		SDFKS01GEA01	PCIe NVMe 3.0	x4	2TB	2.5" 15mm
	PX04PMB320	SDFKR00GEA01	PCIe NVMe 3.0	x4	3.2TB	2.5" 15mm
		SDFKT00GEA01	PCIe NVMe 3.0	x4	3.84TB	2.5" 15mm
		SDFKS00GEA01	PCIe NVMe 3.0	x4	4TB	2.5" 15mm
Intel	SSD 750		PCIe NVMe 3.0	x4	400GB	2.5" 15mm
			PCIe NVMe 3.0	x4	800GB	2.5" 15mm
			PCIe NVMe 3.0	x4	1.2TB	2.5" 15mm
Samsung	PM1725		PCIe NVMe 3.0	x4	800GB	2.5" 15mm
			PCIe NVMe 3.0	x4	1.6TB	2.5" 15mm
			PCIe NVMe 3.0	x4	3.2TB	2.5" 15mm
Micron	9100	MTFDHAL800MCE-1AN1Z	PCIe NVMe 3.0	x4	800GB	2.5" 15mm
		MTFDHAL1T2MCF-1AN1Z	PCIe NVMe 3.0	x4	1200GB	2.5" 15mm
		MTFDHAL1T6MCE-1AN1Z	PCIe NVMe 3.0	x4	1600GB	2.5" 15mm
		MTFDHAL2T4MCF-1AN1Z	PCIe NVMe 3.0	x4	2400GB	2.5" 15mm
		MTFDHAL3T2MCE-1AN1Z	PCIe NVMe 3.0	x4	3200GB	2.5" 15mm

OS Drive AVL

Type	Size	Vendor	Capacity	Model	Part Number
SATA3	2.5"	Innodisk	256G		DGS25-B56D81SC1QC
SATA3	2.5"	Innodisk	128G	3MG-P	DGS25-A28D67SC1QC
SATA3	2.5"	Intel	120G	530	
SATA3	2.5"	Kingston	100G	SSDNOW E	
SATA 6Gb/s	2.5"	Seagate	500GB		ST9500620NS
SATA 6Gb/s	2.5"	Seagate	1TB		ST91000640NS
SATA 6Gb/s	2.5"	Intel	800GB		SSDSC2BB800G4
SATA 6Gb/s	2.5"	Samsung	240GB		MZ-7WD240N/003
PCIe	M.2 2280	Intel	128GB	SSDPEKKW	
PCIe	M.2 22110	Techman	2TB	PV100E5B	
PCIe	M.2 2280	Techman	480GB	PV100D5N	
PCIe	M.2 22110	Techman	482GB	PV100C5B	
SATA 6Gb/s	M.2	Transcend	128GB	MTS800	
SATA 6Gb/s	M.2	Transcend	128GB	MTS600	
SATA 6Gb/s	M.2	Transcend	128GB	MTS400	