

OVERLAND-TANDBERG SAS & FC HBA COMPATIBILITY MATRIX



Version: Apr. 2019

The following SAS HBA's are compatible with Tandberg Data and Overland Storage tape drives and libraries.

Vendor	Product	Data Rate	Bus Types	Ports	Connector Type	Operating Support				Tape Drive Compatibility			Warranty	MRSP	Link
						Windows	Linux	VMWare	Mac	6Gb	3Gb	LTFs			
6Gb SAS Controllers															
Areca	ARC-1320-8i	6Gb/s	PCIe 2.0	8 Internal	2x SFF-8087	✓	✓		✓	✓	✓	✓	3 years	\$260	Areca SAS HBA
Areca	ARC-1320-8e	6Gb/s	PCIe 2.0	8 External	2x SFF-8088	✓	✓		✓	✓	✓	✓	3 years	\$310	Areca SAS HBA
Areca	ARC-1320-4i4x	6Gb/s	PCIe 2.0	4 Internal & 4 External	1x SFF-8087 1x SFF-8088	✓	✓		✓	✓	✓	✓	3 years	\$290	Areca SAS HBA
ATTO	ExpressSAS H608	6Gb/s	PCIe 2.0	8 Internal	2x SFF-8087	✓	✓	✓	✓	✓	✓	✓	3 years	\$395	ExpressSAS H608
ATTO	ExpressSAS H6F0	6Gb/s	PCIe 2.0	16 External	4x SFF-8088	✓	✓	✓	✓	✓	✓	✓	3 years	\$695	ExpressSAS H6F0
ATTO	ExpressSAS H644	6Gb/s	PCIe 2.0	4 Internal & 4 External	1x SFF-8087 1x SFF-8088	✓	✓	✓	✓	✓	✓	✓	3 years	\$395	ExpressSAS H644
ATTO	ExpressSAS H680	6Gb/s	PCIe 2.0	8 External	2x SFF-8088	✓	✓	✓	✓	✓	✓	✓	3 years	\$395	ExpressSAS H680
ATTO	ExpressSAS H60F	6Gb/s	PCIe 2.0	16 Internal	4x SFF-8088	✓	✓	✓	✓	✓	✓	✓	3 years	\$695	ExpressSAS H60F
Avago Technologies	LSI SAS 9211-8i	6Gb/s	PCIe 2.0	8 Internal	2x SFF-8087	✓	✓	✓		✓	✓	✓	3 years	\$295	LSI 6Gb SAS
Avago Technologies	LSI SAS 9211-4i	6Gb/s	PCIe 2.0	8 Internal	1x SFF-8087	✓	✓	✓		✓	✓	✓	3 years	\$195	LSI 6Gb SAS
Avago Technologies	LSI SAS 9212-4i4e	6Gb/s	PCIe 2.0	4 Internal & 4 External	1x SFF-8087 1x SFF-8088	✓	✓	✓		✓	✓	✓	3 years	\$295	LSI 6Gb SAS
Avago Technologies	LSI SAS 9207-8i	6Gb/s	PCIe 3.0	8 Internal	2x SFF-8087	✓	✓	✓		✓	✓	✓	3 years	\$295	LSI 6Gb SAS
Avago Technologies	LSI SAS 9207-8e	6Gb/s	PCIe 3.0	8 Internal	1x SFF-8088	✓	✓	✓		✓	✓	✓	3 years	\$395	LSI 6Gb SAS
Avago Technologies	LSI SAS 9207-4i4e	6Gb/s	PCIe 3.0	4 Internal & 4 External	1x SFF-8087 1x SFF-8088	✓	✓	✓		✓	✓	✓	3 years	\$295	LSI 6Gb SAS
Avago Technologies	LSI SAS 9201-16i	6Gb/s	PCIe 2.0	16 Internal	4x SFF-8087	✓	✓	✓		✓	✓	✓	3 years	\$395	LSI 6Gb SAS
Avago Technologies	LSI SAS 9201-16e	6Gb/s	PCIe 2.0	16 External	4x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$550	LSI 6Gb SAS
Avago Technologies	LSI SAS 9200-8e	6Gb/s	PCIe 2.0	8 External	2x SFF-8088	✓	✓	✓		✓	✓	✓	3 years	\$395	LSI 6Gb SAS
Avago Technologies	LSI SAS 9217-8i (OEM)	6Gb/s	PCIe 3.0	8 Internal	2x SFF-8087	✓	✓	✓		✓	✓	✓	3 years	\$295	LSI 6Gb SAS
Avago Technologies	LSI SAS 9217-8e (OEM)	6Gb/s	PCIe 3.0	8 External	2x SFF-8088	✓	✓	✓		✓	✓	✓	3 years	\$395	LSI 6Gb SAS
Avago Technologies	LSI SAS 9210-4i4e (OEM)	6Gb/s	PCIe 2.0	4 Internal & 4 External	1x SFF-8087	✓	✓	✓		✓	✓	✓	3 years	\$395	LSI 6Gb SAS
Avago Technologies	LSI SAS 9202-16e (OEM)	6Gb/s	PCIe 2.0	16 External	4x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$550	LSI 6Gb SAS
Microsemi	Adaptec 7805H	6Gb/s	PCIe 3.0	8 Internal	2x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$245	Adaptec Series 7H
Microsemi	Adaptec 71605H	6Gb/s	PCIe 3.0	16 Internal	4x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$395	Adaptec Series 7H
Microsemi	Adaptec 7085H	6Gb/s	PCIe 3.0	8 External	2x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$295	Adaptec Series 7H
Microsemi	Adaptec 70165H	6Gb/s	PCIe 3.0	16 External	4x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$495	Adaptec Series 7H
12Gb SAS Controllers															
ATTO	ExpressSAS H12F0	12Gb/s	PCIe 3.0	16 External	4x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$895	ExpressSAS H12F0
ATTO	ExpressSAS H1288	12Gb/s	PCIe 3.1	8 Internal & 8 External	2x SFF-8643 2x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$895	ExpressSAS H1288
ATTO	ExpressSAS H120F	12Gb/s	PCIe 3.0	16 Internal	4x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$895	ExpressSAS H120F
ATTO	ExpressSAS H1280	12Gb/s	PCIe 3.0	8 External	2x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$495	ExpressSAS H1280
ATTO	ExpressSAS H1208	12Gb/s	PCIe 3.0	8 Internal	2x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$495	ExpressSAS H1208
ATTO	ExpressSAS H1244	12Gb/s	PCIe 3.0	4 Internal & 4 External	1x SFF-8643 1x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$495	ExpressSAS H1244
ATTO	ExpressSAS H1248	12Gb/s	PCIe 3.0	8 Internal & 4 External	2x SFF-8643 1x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$895	ExpressSAS H1248
Avago Technologies	LSI SAS 9305-24i	12Gb/s	PCIe 3.0	24 Internal	6x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$895	LSI 12Gb SAS
Avago Technologies	LSI SAS 9305-16i	12Gb/s	PCIe 3.0	16 Internal	4x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$595	LSI 12Gb SAS
Avago Technologies	LSI SAS 9305-16e	12Gb/s	PCIe 3.0	16 External	4x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$650	LSI 12Gb SAS
Avago Technologies	LSI SAS 9302-16e	12Gb/s	PCIe 3.0	16 External	4x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$650	LSI 12Gb SAS
Avago Technologies	LSI SAS 9300-16e	12Gb/s	PCIe 3.0	16 External	4x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$795	LSI 12Gb SAS
Avago Technologies	LSI SAS 9300-8e	12Gb/s	PCIe 3.0	8 External	2x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$450	LSI 12Gb SAS
Avago Technologies	LSI SAS 9300-8i	12Gb/s	PCIe 3.0	8 Internal	2x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$350	LSI 12Gb SAS
Avago Technologies	LSI SAS 9300-4i4e	12Gb/s	PCIe 3.0	4 Internal & 4 External	1x SFF-8643 1x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$350	LSI 12Gb SAS
Avago Technologies	LSI SAS 9300-4i	12Gb/s	PCIe 3.0	4 Internal	1x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$250	LSI 12Gb SAS
Avago Technologies	LSI SAS 9311-8i (OEM)	12Gb/s	PCIe 3.0	8 Internal	2x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$350	LSI 12Gb SAS
Avago Technologies	LSI SAS 9311-4i4e (OEM)	12Gb/s	PCIe 3.0	4 Internal & 4 External	1x SFF-8643 1x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$350	LSI 12Gb SAS
Microsemi	Adaptec 1000-16i	12Gb/s	PCIe 3.0	16 Internal	4x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$495	Adaptec 1000
Microsemi	Adaptec 1000-16e	12Gb/s	PCIe 3.0	16 External	4x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$595	Adaptec 1000
Microsemi	Adaptec 1000-8i8e	12Gb/s	PCIe 3.0	8 Internal & 8 External	2x SFF-8643 2x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$495	Adaptec 1000
Microsemi	Adaptec 1000-8i	12Gb/s	PCIe 3.0	8 Internal	2x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$295	Adaptec 1000
Microsemi	Adaptec 1000-8e	12Gb/s	PCIe 3.0	8 External	4x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$395	Adaptec 1000
Microsemi	Adaptec 1100-8e	12Gb/s	PCIe 3.0	8 External	2x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$420	Adaptec 1100
Microsemi	Adaptec 2100-8i8e	12Gb/s	PCIe 3.0	8 Internal & 8 External	2x SFF-8643 2x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$540	Adaptec 2100
Microsemi	Adaptec 3154-8e SmartRAID	12Gb/s	PCIe 3.0	8 External	2x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$900	Adaptec 3154

SAS HBA Connector Types	SFF-8643 = Internal miniSAS HD SFF-8644 = External miniSAS HD SFF-8087 = Internal miniSAS SFF-8088 = External miniSAS
Tape Connector Types	SFF-8482 = Internal SAS tape drive SFF-8088 = External SAS tape drive SFF-8088 = Rackmount enclosure SFF-8088 = Autoloaders/Libraries



SFF-8482



SFF-8087



SFF-8088



SFF-8643



SFF-8644

OVERLAND-TANDBERG SAS & FC HBA COMPATIBILITY MATRIX



The following FC HBA's are compatible with Tandberg Data and Overland Storage tape drives and libraries.

Vendor	Product	Data Rate	Bus Types	Ports	Connector Type	Operating Support				Tape Drive Compatibility			Warranty	MRSP	Link
						Windows	Linux	VMWare	Mac	8Gb	4Gb	LTF5			
8Gb FC Controllers															
ATTO	Celerity FC-81EN	8Gb/s	PCIe 2.0	1 External	1x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	\$1,10	Celerity FC-81EN
ATTO	Celerity FC-82EN	8Gb/s	PCIe 2.0	2 External	2x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	\$1,50	Celerity FC-82EN
ATTO	Celerity FC-84EN	8Gb/s	PCIe 2.0	4 External	4x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	\$3,00	Celerity FC-84EN
QLogic	QLE2560	8Gb/s	PCIe 2.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,10	QLogic 2500 Series
QLogic	QLE2562	8Gb/s	PCIe 2.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,60	QLogic 2500 Series
QLogic	QLE2564	8Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$2,10	QLogic 2500 Series
QLogic	BR-815	8Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$850	QLogic 800 Series
QLogic	BR-825	8Gb/s	PCIe 2.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,30	QLogic 800 Series
Avago Technologies	Emulex LPe12050	8Gb/s	PCIe 2.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$895	Emulex 8Gb FC
Avago Technologies	Emulex LPe12000	8Gb/s	PCIe 2.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,10	LPe12050
Avago Technologies	Emulex LPe12002	8Gb/s	PCIe 2.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,50	LPe12002
Avago Technologies	Emulex LPe12002-X8	8Gb/s	PCIe 2.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,80	LPe12002-X8
Avago Technologies	Emulex LPe12004	8Gb/s	PCIe 2.0	4 External	4x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$2,00	LPe12004
Avago Technologies	Emulex LPe15004	8Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$5,00	LPe15004
16Gb FC Controllers															
ATTO	Celerity FC-161E	16Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	\$1,50	Celerity FC-161E
ATTO	Celerity FC-162E	16Gb/s	PCIe 3.0	2 External	2x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	\$2,00	Celerity FC-162E
ATTO	Celerity FC-164E	16Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	\$3,60	Celerity FC-164E
ATTO	Celerity FC-161P	16Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	??	Celerity FC-161P
ATTO	Celerity FC-162P	16Gb/s	PCIe 3.0	2 External	2x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	??	Celerity FC-162P
ATTO	Celerity FC-164P	16Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	\$3,60	Celerity FC-164P
QLogic	BR-1860-1	16Gb/s	PCIe 2.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,10	QLogic 1800 Series
QLogic	BR-1860-2	16Gb/s	PCIe 2.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,60	QLogic 1800 Series
QLogic	QLE2670-CK	16Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,20	QLogic 2670 Series
QLogic	QLE2672-CK	16Gb/s	PCIe 3.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,90	QLogic 2670 Series
QLogic	QLE2690-SR-CK	16Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,60	QLogic 2690 Series
QLogic	QLE2692-SR-CK	16Gb/s	PCIe 3.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$2,00	QLogic 2690 Series
QLogic	QLE2694-SR-CK	16Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$2,50	QLogic 2690 Series
QLogic	QLE2694U-SR-CK	16Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$3,00	QLogic 2690 Series
QLogic	QLE2694L-CK	16Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$3,00	QLogic 2690 Series
Avago Technologies	Emulex LPe16000B	16Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,30	LPe16000B
Avago Technologies	Emulex LPe16002B	16Gb/s	PCIe 3.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,80	LPe16002B
Avago Technologies	Emulex LPe16004	16Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$2,50	LPe16004
Avago Technologies	Emulex LPe31000	16Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	??	LPe31000
Avago Technologies	Emulex LPe31002	16Gb/s	PCIe 3.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$2,00	LPe31002
Avago Technologies	Emulex LPe31004	16Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$2,80	LPe31004
32Gb FC Controllers															
ATTO	Celerity FC-322E	32Gb/s	PCIe 3.0	2 External	2x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	??	Celerity FC-322E
ATTO	Celerity FC-321E	32Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	??	Celerity FC-321E
QLogic	QLE2764-SR-CK	32Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$4,00	QLogic 2700 Series
QLogic	QLE2742-SR-CK	32Gb/s	PCIe 3.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$3,00	QLogic 2700 Series
QLogic	QLE2740-SR-CK	32Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$2,00	QLogic 2700 Series
Avago Technologies	Emulex LPe32000	32Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	??	LPe32000
Avago Technologies	Emulex LPe32002	32Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	??	LPe32002

Note: All 32/16/8 Gb FC controllers will auto negotiate down to 4Gb to support devices with slower interfaces