

# TANDBERG DATA & OVERLAND STORAGE

## SAS & FC HBA COMPATIBILITY MATRIX



**TANDBERG DATA**

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			
<b>6Gb SAS Controllers</b>															
Areca	ARC-1320-8i	6Gb/s	PCIe 2.0	8 Internal	2x SFF-8087	✓	✓		✓	✓	✓	✓	3 years	\$260	<a href="#">Areca SAS HBA</a>
Areca	ARC-1320-8e	6Gb/s	PCIe 2.0	8 External	2x SFF-8088	✓	✓		✓	✓	✓	✓	3 years	\$310	<a href="#">Areca SAS HBA</a>
Areca	ARC-1320-4i4x	6Gb/s	PCIe 2.0	4 Internal & 4 External	1x SFF-8087 1x SFF-8088	✓	✓		✓	✓	✓	✓	3 years	\$290	<a href="#">Areca SAS HBA</a>
ATTO	ExpressSAS H608	6Gb/s	PCIe 2.0	8 Internal	2x SFF-8087	✓	✓	✓	✓	✓	✓	✓	3 years	\$395	<a href="#">ExpressSAS H608</a>
ATTO	ExpressSAS H6F0	6Gb/s	PCIe 2.0	16 External	4x SFF-8088	✓	✓	✓	✓	✓	✓	✓	3 years	\$695	<a href="#">ExpressSAS H6F0</a>
ATTO	ExpressSAS H644	6Gb/s	PCIe 2.0	4 Internal & 4 External	1x SFF-8087 1x SFF-8088	✓	✓	✓	✓	✓	✓	✓	3 years	\$395	<a href="#">ExpressSAS H644</a>
ATTO	ExpressSAS H680	6Gb/s	PCIe 2.0	8 External	2x SFF-8088	✓	✓	✓	✓	✓	✓	✓	3 years	\$395	<a href="#">ExpressSAS H680</a>
ATTO	ExpressSAS H60F	6Gb/s	PCIe 2.0	16 Internal	4x SFF-8088	✓	✓	✓	✓	✓	✓	✓	3 years	\$695	<a href="#">ExpressSAS H60F</a>
Avago Technologies	LSI SAS 9211-8i	6Gb/s	PCIe 2.0	8 Internal	2x SFF-8087	✓	✓	✓		✓	✓	✓	3 years	\$295	<a href="#">LSI 6Gb SAS</a>
Avago Technologies	LSI SAS 9211-4i	6Gb/s	PCIe 2.0	8 Internal	1x SFF-8087	✓	✓	✓		✓	✓	✓	3 years	\$195	<a href="#">LSI 6Gb SAS</a>
Avago Technologies	LSI SAS 9212-4i4e	6Gb/s	PCIe 2.0	4 Internal & 4 External	1x SFF-8087 1x SFF-8088	✓	✓	✓		✓	✓	✓	3 years	\$295	<a href="#">LSI 6Gb SAS</a>
Avago Technologies	LSI SAS 9207-8i	6Gb/s	PCIe 3.0	8 Internal	2x SFF-8087	✓	✓	✓		✓	✓	✓	3 years	\$295	<a href="#">LSI 6Gb SAS</a>
Avago Technologies	LSI SAS 9207-8e	6Gb/s	PCIe 3.0	8 Internal	1x SFF-8088	✓	✓	✓		✓	✓	✓	3 years	\$395	<a href="#">LSI 6Gb SAS</a>
Avago Technologies	LSI SAS 9206-4i4e	6Gb/s	PCIe 3.0	4 Internal & 4 External	1x SFF-8087 1x SFF-8088	✓	✓	✓		✓	✓	✓	3 years	\$395	<a href="#">LSI 6Gb SAS</a>
Avago Technologies	LSI SAS 9201-16i	6Gb/s	PCIe 2.0	16 Internal	4x SFF-8087	✓	✓	✓		✓	✓	✓	3 years	\$395	<a href="#">LSI 6Gb SAS</a>
Avago Technologies	LSI SAS 9201-16e	6Gb/s	PCIe 2.0	16 External	4x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$550	<a href="#">LSI 6Gb SAS</a>
Avago Technologies	LSI SAS 9200-8e	6Gb/s	PCIe 2.0	8 External	2x SFF-8088	✓	✓	✓		✓	✓	✓	3 years	\$395	<a href="#">LSI 6Gb SAS</a>
Avago Technologies	LSI SAS 9217-8i (OEM)	6Gb/s	PCIe 3.0	8 Internal	2x SFF-8087	✓	✓	✓		✓	✓	✓	3 years	\$295	<a href="#">LSI 6Gb SAS</a>
Avago Technologies	LSI SAS 9217-8e (OEM)	6Gb/s	PCIe 3.0	8 External	2x SFF-8088	✓	✓	✓		✓	✓	✓	3 years	\$395	<a href="#">LSI 6Gb SAS</a>
Avago Technologies	LSI SAS 9210-4i4e (OEM)	6Gb/s	PCIe 2.0	4 Internal & 4 External	1x SFF-8087	✓	✓	✓		✓	✓	✓	3 years	\$395	<a href="#">LSI 6Gb SAS</a>
Avago Technologies	LSI SAS 9202-16e (OEM)	6Gb/s	PCIe 2.0	16 External	4x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$550	<a href="#">LSI 6Gb SAS</a>
Microsemi	Adaptec 7805H	6Gb/s	PCIe 3.0	8 Internal	2x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$245	<a href="#">Adaptec Series 7H</a>
Microsemi	Adaptec 71605H	6Gb/s	PCIe 3.0	16 Internal	4x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$395	<a href="#">Adaptec Series 7H</a>
Microsemi	Adaptec 7085H	6Gb/s	PCIe 3.0	8 External	2x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$295	<a href="#">Adaptec Series 7H</a>
Microsemi	Adaptec 70165H	6Gb/s	PCIe 3.0	16 External	4x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$495	<a href="#">Adaptec Series 7H</a>
<b>12Gb SAS Controllers</b>															
ATTO	ExpressSAS H12F0	12Gb/s	PCIe 3.0	16 External	4x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$895	<a href="#">ExpressSAS H12F0</a>
ATTO	ExpressSAS H1288	12Gb/s	PCIe 3.1	8 Internal & 8 External	2x SFF-8643 2x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$895	<a href="#">ExpressSAS H1288</a>
ATTO	ExpressSAS H120F	12Gb/s	PCIe 3.0	16 External	4x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$895	<a href="#">ExpressSAS H120F</a>
ATTO	ExpressSAS H1280	12Gb/s	PCIe 3.0	8 External	2x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$495	<a href="#">ExpressSAS H1280</a>
ATTO	ExpressSAS H1208	12Gb/s	PCIe 3.0	8 Internal	2x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$495	<a href="#">ExpressSAS H1208</a>
ATTO	ExpressSAS H1244	12Gb/s	PCIe 3.0	4 Internal & 4 External	1x SFF-8643 1x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$495	<a href="#">ExpressSAS H1244</a>
ATTO	ExpressSAS H1248	12Gb/s	PCIe 3.0	8 Internal & 4 External	2x SFF-8643 1x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$895	<a href="#">ExpressSAS H1248</a>
Avago Technologies	LSI SAS 9305-24i	12Gb/s	PCIe 3.0	24 Internal	6x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$895	<a href="#">LSI 12Gb SAS</a>
Avago Technologies	LSI SAS 9305-16i	12Gb/s	PCIe 3.0	16 Internal	4x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$595	<a href="#">LSI 12Gb SAS</a>
Avago Technologies	LSI SAS 9305-16e	12Gb/s	PCIe 3.0	16 External	4x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$650	<a href="#">LSI 12Gb SAS</a>
Avago Technologies	LSI SAS 9302-16e	12Gb/s	PCIe 3.0	16 External	4x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$650	<a href="#">LSI 12Gb SAS</a>
Avago Technologies	LSI SAS 9300-16e	12Gb/s	PCIe 3.0	16 External	4x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$795	<a href="#">LSI 12Gb SAS</a>
Avago Technologies	LSI SAS 9300-8e	12Gb/s	PCIe 3.0	8 External	2x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$450	<a href="#">LSI 12Gb SAS</a>
Avago Technologies	LSI SAS 9300-8i	12Gb/s	PCIe 3.0	8 Internal	2x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$350	<a href="#">LSI 12Gb SAS</a>
Avago Technologies	LSI SAS 9300-4i4e	12Gb/s	PCIe 3.0	4 Internal & 4 External	1x SFF-8643 1x SFF-8644	✓	✓	✓		✓	✓	✓	3 years	\$350	<a href="#">LSI 12Gb SAS</a>

# TANDBERG DATA & OVERLAND STORAGE

## SAS & FC HBA COMPATIBILITY MATRIX



TANDBERG DATA

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			
Avago Technologies	LSI SAS 9300-4i	12Gb/s	PCIe 3.0	4 Internal	1x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$250	<a href="#">LSI 12Gb SAS</a>
Avago Technologies	LSI SAS 9311-8i (OEM)	12Gb/s	PCIe 3.0	8 Internal	2x SFF-8643	✓	✓	✓		✓	✓	✓	3 years	\$350	<a href="#">LSI 12Gb SAS</a>
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	<a href="#">LSI 12Gb SAS</a>
Microsemi	Adaptec 1000-16i	12Gb/s	PCIe 3.0	16 Internal	4x SFF-8643	✓	✓	✓		✓		✓	3 years	\$495	<a href="#">Adaptec 1000</a>
Microsemi	Adaptec 1000-16e	12Gb/s	PCIe 3.0	16 External	4x SFF-8644	✓	✓	✓		✓		✓	3 years	\$595	<a href="#">Adaptec 1000</a>
Microsemi	Adaptec 1000-8i8e	12Gb/s	PCIe 3.0	8 Internal & 8 External	2x SFF-8643 2x SFF-8644	✓	✓	✓		✓		✓	3 years	\$495	<a href="#">Adaptec 1000</a>
Microsemi	Adaptec 1000-8i	12Gb/s	PCIe 3.0	8 Internal	2x SFF-8643	✓	✓	✓		✓		✓	3 years	\$295	<a href="#">Adaptec 1000</a>
Microsemi	Adaptec 1000-8e	12Gb/s	PCIe 3.0	8 External	4x SFF-8644	✓	✓	✓		✓		✓	3 years	\$395	<a href="#">Adaptec 1000</a>

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



SFF-8087



SFF-8088



SFF-8643



SFF-8644

# TANDBERG DATA & OVERLAND STORAGE

## SAS & FC HBA COMPATIBILITY MATRIX



**TANDBERG DATA**

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	LTFs			
<b>8Gb FC Controllers</b>															
ATTO	Celerity FC-81EN	8Gb/s	PCIe 2.0	1 External	1x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	\$1,095	<a href="#">Celerity FC-81EN</a>
ATTO	Celerity FC-82EN	8Gb/s	PCIe 2.0	2 External	2x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	\$1,495	<a href="#">Celerity FC-82EN</a>
ATTO	Celerity FC-84EN	8Gb/s	PCIe 2.0	4 External	4x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	\$2,995	<a href="#">Celerity FC-84EN</a>
QLogic	QLE2560	8Gb/s	PCIe 2.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,095	<a href="#">QLogic 2500 Series</a>
QLogic	QLE2562	8Gb/s	PCIe 2.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,595	<a href="#">QLogic 2500 Series</a>
QLogic	QLE2564	8Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$2,095	<a href="#">QLogic 2500 Series</a>
QLogic	BR-815	8Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$850	<a href="#">QLogic 800 Series</a>
QLogic	BR-825	8Gb/s	PCIe 2.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,295	<a href="#">QLogic 800 Series</a>
Avago Technologies	Emulex LPe12050	8Gb/s	PCIe 2.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$895	<a href="#">Emulex 8Gb FC</a>
Avago Technologies	Emulex LPe12000	8Gb/s	PCIe 2.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,095	<a href="#">LPe12050</a>
Avago Technologies	Emulex LPe12002	8Gb/s	PCIe 2.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,495	<a href="#">LPe12002</a>
Avago Technologies	Emulex LPe12002-X8	8Gb/s	PCIe 2.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,795	<a href="#">LPe12002-X8</a>
Avago Technologies	Emulex LPe12004	8Gb/s	PCIe 2.0	4 External	4x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,995	<a href="#">LPe12004</a>
Avago Technologies	Emulex LPe15004	8Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$4,995	<a href="#">LPe15004</a>
<b>16Gb FC Controllers</b>															
ATTO	Celerity FC-161E	16Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	\$1,495	<a href="#">Celerity FC-161E</a>
ATTO	Celerity FC-162E	16Gb/s	PCIe 3.0	2 External	2x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	\$1,995	<a href="#">Celerity FC-162E</a>
ATTO	Celerity FC-164E	16Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	\$3,595	<a href="#">Celerity FC-164E</a>
ATTO	Celerity FC-161P	16Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	??	<a href="#">Celerity FC-161P</a>
ATTO	Celerity FC-162P	16Gb/s	PCIe 3.0	2 External	2x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	??	<a href="#">Celerity FC-162P</a>
ATTO	Celerity FC-164P	16Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	\$3,595	<a href="#">Celerity FC-164P</a>
QLogic	BR-1860-1	16Gb/s	PCIe 2.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,095	<a href="#">QLogic 1800 Series</a>
QLogic	BR-1860-2	16Gb/s	PCIe 2.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,595	<a href="#">QLogic 1800 Series</a>
QLogic	QLE2670-CK	16Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,195	<a href="#">QLogic 2670 Series</a>
QLogic	QLE2672-CK	16Gb/s	PCIe 3.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,895	<a href="#">QLogic 2670 Series</a>
QLogic	QLE2690-SR-CK	16Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,595	<a href="#">QLogic 2690 Series</a>
QLogic	QLE2692-SR-CK	16Gb/s	PCIe 3.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,995	<a href="#">QLogic 2690 Series</a>
QLogic	QLE2694-SR-CK	16Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$2,495	<a href="#">QLogic 2690 Series</a>
QLogic	QLE2694U-SR-CK	16Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$2,995	<a href="#">QLogic 2690 Series</a>
QLogic	QLE2694L-CK	16Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$2,995	<a href="#">QLogic 2690 Series</a>
Avago Technologies	Emulex LPe16000B	16Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,295	<a href="#">LPe16000B</a>
Avago Technologies	Emulex LPe16002B	16Gb/s	PCIe 3.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,795	<a href="#">LPe16002B</a>
Avago Technologies	Emulex LPe16004	16Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$2,495	<a href="#">LPe16004</a>
Avago Technologies	Emulex LPe31000	16Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	??	<a href="#">LPe31000</a>
Avago Technologies	Emulex LPe31002	16Gb/s	PCIe 3.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,995	<a href="#">LPe31002</a>
Avago Technologies	Emulex LPe31004	16Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$2,795	<a href="#">LPe31004</a>
<b>32Gb FC Controllers</b>															
ATTO	Celerity FC-322E	32Gb/s	PCIe 3.0	2 External	2x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	??	<a href="#">Celerity FC-322E</a>
ATTO	Celerity FC-321E	32Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓	✓	✓	✓	✓	3 years	??	<a href="#">Celerity FC-321E</a>
QLogic	QLE2764-SR-CK	32Gb/s	PCIe 3.0	4 External	4x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$3,995	<a href="#">QLogic 2700 Series</a>
QLogic	QLE2742-SR-CK	32Gb/s	PCIe 3.0	2 External	2x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$2,995	<a href="#">QLogic 2700 Series</a>
QLogic	QLE2740-SR-CK	32Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	\$1,995	<a href="#">QLogic 2700 Series</a>

# TANDBERG DATA & OVERLAND STORAGE

## SAS & FC HBA COMPATIBILITY MATRIX



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

Avago Technologies	Emulex LPe32000	32Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	??	<a href="#">LPe32000</a>
Avago Technologies	Emulex LPe32002	32Gb/s	PCIe 3.0	1 External	1x LC Ports	✓	✓	✓		✓	✓	✓	3 years	??	<a href="#">LPe32002</a>

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