



QStar Currently Shipping Hardware Compatibility List

May 2020

Object Storage

Cloudian	HyperStore
DataDirect Networks	WOS
Dell EMC	ECS, ViPR
Hitachi Vantara	Hitachi Content Platform (HCP)
IBM	Cloud Object Storage (formerly Cleversafe)
NetApp	StorageGrid
Quantum	ActiveScale P100 and X100 (formerly Amplidata and Western Digital)
QStar	Kaleidos and Object Storage Manager (OSM)
RedHat	OpenStack and Ceph (S3)
Scality	RING
SwiftStack	SwiftStack

Cloud Storage

Amazon	S3, VTL
BackBlaze	B2 Cloud Storage
IBM	Cloud Object Storage (S3)
Microsoft	Azure
Oracle	Oracle Cloud (S3)
Wasabi	Hot Cloud Storage

* Table lists currently shipping systems.

** QStar will endeavor to support other Object Storage solutions not listed above, on request

Tape Libraries

BDT	Drive Types	Max. Drives	Media Shelves	Interface	Height
FlexStor II 1U	LTO	1	8	SCSI, FC, SAS	1U
FlexStor II 2U	LTO	2	24	Internal	2U
FlexStor II 4U	LTO	4	48	SCSI, FC, SAS	4U
MultiStak (single module)	LTO	6	80	FC, SAS	6U
MultiStak (7 modules)	LTO	42	560	FC, SAS	42U

Dell EMC	Drive Types	Max. Drives	Media Shelves	Interface	Height
PowerVault TL1000	LTO	1	9	SCSI, SAS	1U
PowerVault TL2000	LTO	2	24	SCSI, FC, SAS, iSCSI	2U
PowerVault TL4000	LTO	4	48	SCSI, FC, SAS, iSCSI	4U
ML3 (Base)	LTO	3	32	FC, SAS	3U
ML3E (Expansion)	LTO	3	40	FC, SAS	3U
PowerVault ML6010	LTO	2	41	SCSI, FC, SAS	5U
PowerVault ML6020	LTO	6	133	SCSI, FC, SAS	14U
PowerVault ML6030	LTO	10	225	SCSI, FC, SAS	23U
PowerVault ML6030 +	LTO	14	317	SCSI, FC, SAS	32U
PowerVault ML6030 ++	LTO	18	409	SCSI, FC, SAS	41U

Fujitsu	Drive Types	Max. Drives	Media Shelves	Interface	Height
Eternus LT20 S2	LTO	1	8	SAS, FC	1U
Eternus LT140 (single)	LTO	3	40	SAS, FC	3U
Eternus LT140 (7 modules)	LTO	21	280	SAS, FC	21U
Eternus LT260 (single)	LTO	6	80	SAS, FC	6U
Eternus LT260 (7 modules)	LTO	42	560	SAS, FC	42U
Eternus LT270 S2	LTO	128	5.644	FC	77.95 inches

* Table lists currently shipping systems. QStar supports ALL past and current Tape Libraries

** QStar will support new Tape Library not listed above, on request

*** Contact QStar for exact model supported

Hewlett Packard Enterprise	Drive Types	Max. Drives	Media Shelves	Interface	Height
1 / 8 G2	LTO	1	8	SCSI, FC, SAS	1U
MSL2024	LTO	2	24	SCSI, FC, SAS	2U
MSL3040 (Base)	LTO	3	32	FC, SAS	3U
MSL3040 (Expansion)	LTO	3	40	FC, SAS	3U
MSL6480 (single module)	LTO	6	80	FC, SAS	6U
MSL6480 (7 modules)	LTO	42	560	FC, SAS	42U
T950	LTO	24	920	FC	78 inches
T-Finity ExaScale	LTO	480	122.080	FC	78 inches

IBM	Drive Types	Max. Drives	Media Shelves	Interface	Height
TS2900	LTO	1	9	Internal	1U
TS4300	LTO	3	32	FC, SAS	3U
TS4300 (7 modules)	LTO	21	272	FC, SAS	21U
TS4500***	LTO / IBM	192	20.000	FC	71 inches

NEC	Drive Types	Max. Drives	Media Shelves	Interface	Height
LL009F	LTO	1	9	SAS	1U
T30A	LTO	2	30	FC, SAS	2U
T60A	LTO	4	60	FC, SAS	4U

Oracle / StorageTek	Drive Types	Max. Drives	Media Shelves	Interface	Height
SL150	LTO	2	30	FC, SAS	3U
SL150 (14 modules)	LTO	20	450	FC, SAS	31U
SL4000	LTO/Oracle	24	339	FC	78 inches
SL4000 (14 modules)	LTO/Oracle	56	9.000	FC	78 inches
SL8500	LTO/Oracle	64	2.000	FC	93.15 inches
SL8500 (10 modules)	LTO/Oracle	640	100.880	FC	93.15 inches

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Overland	Drive Types	Max. Drives	Media Shelves	Interface	Height
NEOs StorageLoader	LTO	1	8	FC, SAS	1U
NEOs T24	LTO	2	24	FC, SAS	2U
NEOs T48	LTO	4	48	FC, SAS	4U
NEO x140 (Base)	LTO	3	32	FC, SAS	3U
NEO x140 (Expansion)	LTO	3	40	FC, SAS	3U
NEO x180 (single module)	LTO	6	80	FC, SAS	6U
NEO x180 (7 modules)	LTO	42	560	FC, SAS	42U
NEO x18000	LTO	42	560	FC	42U

Qualstar	Drive Types	Max. Drives	Media Shelves	Interface	Height
Q8	LTO	1	8	FC, SAS	1U
Q24	LTO	2	24	FC, SAS	2U
Q40	LTO	3	40	FC, SAS	3U
Q48	LTO	4	48	FC, SAS	4U
Q80	LTO	6 (42)	80 (560)	SAS or FC	6U
RLS-8350	LTO	3	50	FC, SAS	6U
RLS-8500	LTO	5	114	FC, SAS	10U
XLS-832700	LTO	8 (36)	655 (6.175)	SCSI, FC	78 inches
XLS-8161100	LTO	4 (20)	1.056 (11.730)	SCSI, FC	78 inches

Quantum	Drive Types	Max. Drives	Media Shelves	Interface	Height
Scalar i3	LTO	3 (24)	50 (400)	FC, SAS	3U to 24U
Scalar i6	LTO	3 (24)	100 (800)	FC, SAS	6U to 48U
Scalar i6000	LTO	192	100 (12.006)	FC	78 inches

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Spectra Logic	Drive Types	Max. Drives	Media Shelves	Interface	Height
Stack Tape Library	LTO	6 (42)	50 (560)	FC, SAS	6U (42U)
T380	LTO	12	380	FC, SAS	28U
T680	LTO	12	680	FC, SAS	42U
T950v	ANY	24	920	FC	78 inches
T950	ANY	24	920	FC	78 inches
T-Finity ExaScale	ANY	24	1.010	FC	78 inches
T-Finity (100 frames)	ANY	480	122.080	FC	78 inches

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Enterprise Tape Drives

IBM	Drive Types	Native Capacity	Interface	Format	Height
TS1160	3592	20TB	FC	Library	Full Height
TS1155	3592	15TB	FC	Library	Full Height
TS1150	3592	10TB	FC	Library	Full Height
TS1140	3592	4TB	FC	Library	Full Height
Oracle	Drive Types	Native Capacity	Interface	Format	Height
T10000D	T10000	8.5TB	FC	Library	Full Height
T10000C	T10000	5TB	FC	Library	Full Height

* Table lists supported drives with capacity greater than 800GB. Older drives are still supported.

** QStar will endeavor to support new drives, not listed above, on request

LTO Tape Drives

Hewlett Packard Enterprise	Drive Types	Native Capacity	Interface	Format	Height
Ultrium 30750	LTO-8	12TB	FC, SAS	Internal / External	Half Height
Ultrium 15750	LTO-7	6TB	FC	Internal	Full Height
Ultrium 15000	LTO-7	6TB	FC, SAS	Internal / External	Half Height
Ultrium 6650	LTO-6	2.5TB	FC, SAS	Internal / External	Full Height
Ultrium 6250	LTO-6	2.5TB	FC, SAS	Internal / External	Half Height
Ultrium 3280	LTO-5	1.5TB	FC, SAS	Internal / External	Full Height
Ultrium 3000	LTO-5	1.5TB	FC, SAS	Internal / External	Half Height
Ultrium 1840	LTO-4	800GB	FC, SAS, SCSI	Internal / External	Full Height
Ultrium 1760	LTO-4	800GB	FC, SAS, SCSI	Internal / External	Half Height

IBM	Drive Types	Native Capacity	Interface	Format	Height
TS1080	LTO-8	12TB	FC	Internal	Full Height
TS2280	LTO-8	12TB	SAS	Internal / External	Half Height
TS2380	LTO-8	12TB	SAS	Internal / External	Full Height
TS1070	LTO-7	6TB	FC	Internal	Full Height
TS2270	LTO-7	6TB	SAS	Internal / External	Half Height
TS2370	LTO-7	6TB	SAS	Internal / External	Full Height
TS1060	LTO-6	2.5TB	FC	Internal / External	Full Height
TS2260	LTO-6	2.5TB	SAS	Internal / External	Half Height
TS2360	LTO-6	2.5TB	SAS	Internal / External	Full Height
TS2250 (46X2684)	LTO-5	1.5TB	FC, SAS	Internal / External	Half Height
TS2350 (46X2682)	LTO-5	1.5TB	FC, SAS	Internal / External	Full Height
TS2240 (46X6912)	LTO-4	800GB	FC, SAS, SCSI	Internal / External	Half Height
TS2340 (95P5004)	LTO-4	800GB	FC, SAS, SCSI	Internal / External	Full Height

LTO Tape Drives (Continued)

Quantum	Drive Types	Native Capacity	Interface	Format	Height
LTO-8 HH	LTO-8	12TB	FC, SAS	Internal / External	Half Height
LTO-8 FH	LTO-8	12TB	FC, SAS	Internal	Full Height
LTO-7 HH	LTO-7	6TB	FC, SAS	Internal / External	Half Height
LTO-7 FH	LTO-7	6TB	FC, SAS	Internal	Full Height
LTO-6 HH	LTO-6	2.5TB	FC, SAS	Internal / External	Half Height
LTO-6 FH	LTO-6	2.5TB	FC, SAS	Internal / External	Full Height
LTO-5 HH	LTO-5	1.5TB	FC, SAS	Internal / External	Half Height
LTO-5 FH	LTO-5	1.5TB	FC, SAS	Internal / External	Full Height
LTO-4 HH	LTO-4	800GB	FC, SAS, SCSI	Internal / External	Half Height

* Table lists supported drives with capacity greater than 800GB. Older drives are still supported.

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Optical Libraries

DISC	Drive Types	Max. Drives	Media Shelves	Interface	Height
ArXtor1000	Blu-ray	2	45 / 105	iSCSI	11U/16 inches
ArXtor4000	Blu-ray	6	145 / 400	iSCSI	24U/38 inches
ArXtor7000	Blu-ray	10	510 / 690	iSCSI	36U/59 inches
DISC1000	Blu-ray	2	45 / 105	SAS, SCSI	11U/16 inches
DISC3000	Blu-ray	6	145 / 270	SAS, SCSI	20U/29 inches
DISC4000	Blu-ray	6	400	SAS, SCSI	24U/38 inches
DISC7000	Blu-ray	14	690	SAS, SCSI	36U/59 inches

HIT	Drive Types	Max. Drives	Media Shelves	Interface	Height
Netzon HMS 1035	Blu-ray	2	35	SAS	17.1 inches
Netzon HMS 2105	Blu-ray	4	105	SAS	23.4 inches
Netzon HMS 3350	Blu-ray	6	350	SAS	62.2 inches
Netzon HMS 3560	Blu-ray	8	560	SAS	74.4 inches
Netzon HMS 8-OFF	-	0	280 per shelf	LAN / RFID	-

Panasonic	Drive Types	Max. Drives	Media Shelves	Interface	Height
LB-DH8	Blu-ray	1 (7)	76 (532)	FC, SAS, iSCSI	10U to 46U
LB-DH7	Archival Disc	2 (6)	152 (532)	FC, SAS, iSCSI	16U to 46U

Sony	Drive Types	Max. Drives	Media Shelves	Interface	Height
ODS-L30M	ODA	2	30	FC	7U
ODS-L60E (Expansion)	ODA	4	61	FC	7U
ODS-L100E (Expansion)	ODA	0	101	FC	42U

* Table lists currently shipping libraries. Older libraries may be also supported please ask.

** QStar will endeavor to support new optical drives and libraries, not listed above, on request

Optical Drives

Sony	Drive Type	Media supported	Native Capacity	Interface	Format
ODS-D77UA/F	ODA Gen 1	ODC1500R	up to 1.5TB	USB3.0 / FC	Internal / External
ODS-D280U/F	ODA Gen 2	ODC3300R	up to 3.3TB	USB3.0 / FC	Internal / External
ODS-D380U/F	ODA Gen 3	ODC5500R	Up to 5.5TB	USB3.0 / FC	Internal / External

Pioneer	Drive Type	Media supported	Native Capacity	Interface	Format
BDR-PR1	Blu-ray (BD-XL)	BD, DVD+-R, DVD+RW, CD	100GB / 128GB	SATA	Internal / External
BDR207	Blu-ray (BD-XL)	BD, DVD+-R, DVD+RW, CD	100GB / 128GB	SATA	Internal / External
BDR206MBK	Blu-ray (BD-XL)	BD, DVD+-R, DVD+RW, CD	100GB / 128GB	SATA	Internal / External
BDR206DBK	Blu-ray (BD)	BD, DVD+-R, DVD+RW, CD	50GB	SATA	Internal / External
BDR205	Blu-ray (BD)	BD, DVD+-R, DVD+RW, CD	50GB	SATA	Internal / External

Panasonic	Drive Type	Media supported	Native Capacity	Interface	Format
Matsushita LKM-KB12	ADA	ADA, BD, DVD+-R, DVD+RW, CD	50GB	USB 2.0	Internal / External
Matsushita SW-5583	Blu-ray (BD)	BD, DVD+-R, DVD+RW, CD	50GB	SATA	Internal / External
Matsushita SW-5582	Blu-ray (BD)	BD, DVD+-R, DVD+RW, CD	50GB	IDE / ATAPI	Internal / External

Plasmon	Drive Type	Media supported	Native Capacity	Interface	Format
UDO60	UDO2	UDO 1 and 2	60GB	SCSI / USB 2.0	Internal / External
UDO30	UDO1	UDO1	30GB	SCSI	Internal / External

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Optical Publishers

Epson	Drive Types	Max. Drives	Media Capacity	Interface	Height
DiscProducer PP-50	CD/ DVD	1	50	USB 2.0	12.76 inches
DiscProducer PP-100	CD/ DVD	2	100	USB 2.0	13.7 inches

Primera	Drive Types	Max. Drives	Media Capacity	Interface	Height
Bravo SE	DVD / Blu-ray	1	20	USB 2.0 / eSATA	7 inches
Bravo 4101	DVD / Blu-ray	1	100	USB 2.0 / eSATA	11 inches
Bravo 4102	DVD / Blu-ray	2	100	USB 2.0 / eSATA	11 inches
Bravo 4102 XRP	DVD / Blu-ray	2	100	USB 2.0 / eSATA	11 inches

Rimage	Drive Types	Max. Drives	Media Capacity	Interface	Height
2000i	CD/ DVD	2	100	USB 2.0	21 inches
3400	DVD / Blu-ray	2	100	USB 2.0	19 inches
5400N	DVD / Blu-ray	2	150	Ethernet to internal PC	19 inches
6100N	DVD / Blu-ray	1	300	Ethernet to internal PC	23.25 inches
7100N	DVD / Blu-ray	2	300	Ethernet to internal PC	15.5 inches
8100N	DVD / Blu-ray	4	300	Ethernet to internal PC	28.12 inches

* Table lists currently shipping publishers / replicators. Older systems may be also supported please ask.

** QStar will endeavor to support new drives and systems, not listed above, on request.