





Guide to HP LTO Ultrium Tape Drives





Technical specifications	HP LTO-1 Ultrium 232 tape drive	HP LTO-1 Ultrium 230 tape drive	HP LTO-2 Ultrium 448 tape drive	HP LTO-2 Ultrium 460 tape drive
				
Recording technology	LTO-1 Ultrium	LTO-1 Ultrium	LTO-2 Ultrium	LTO-2 Ultrium
Capacity	200 GB Compressed 2:1	200 GB Compressed 2:1	400 GB Compressed 2:1	400 GB Compressed 2:1
Transfer rate	115 GB/hr Compressed 2:1	108 GB/hr Compressed 2:1	173 GB/hr Compressed 2:1	216 GB/hr Compressed 2:1
Buffer size	64 MB Included	16 MB Included	64 MB Included	64 MB Included
Host interface	SCSI	SCSI	SAS, SCSI	SCSI, FC (MSL only)
Form factor	5.25 inch half height	5.25 inch full height	5.25 inch half height	5.25 inch full height
Encryption capability	No	No	No	No
WORM capability	No	No	No	No
Media Compatibility	Read & Write LTO-1	Read & Write LTO-1	Read & Write LTO-1 & LTO-2	Read & Write LTO-1 & LTO-2

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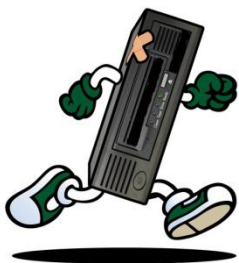


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Technical specifications	HP LTO-3 Ultrium 920 tape drive	HP LTO-3 Ultrium 960 tape drive	HP LTO-4 Ultrium 1760 tape drive	HP LTO-4 Ultrium 1840 tape drive
				
Recording technology	LTO-3	LTO-3	LTO-4	LTO-4
Capacity	800 GB Compressed 2:1	800 GB Compressed 2:1	1.6 TB Compressed 2:1	1.6 TB Compressed 2:1
Transfer rate	432 GB/hr Compressed 2:1	576 GB/hr Compressed 2:1	576 GB/hr Compressed 2:1	864 GB/hr Compressed 2:1
Buffer size	64 MB Included	64 MB Included	128 MB Included	128 MB Included
Host interface	SAS, SCSI	SCSI, FC (MSL only)	SAS, SCSI	SAS, SCSI, FC (MSL only)
Form factor	5.25 inch half height	5.25 inch full height	5.25 inch half height	5.25 inch full height
Encryption capability	No	No	AES 256-bit	AES 256-bit
WORM capability	Yes	Yes	Yes	Yes
Media Compatibility	Read LTO-1 Read & Write LTO-2 & LTO-3	Read LTO-1 Read & Write LTO-2 & LTO-3	Read LTO-2 Read & Write LTO-3 & LTO-4	Read LTO-2 Read & Write LTO-3 & LTO-4

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Technical specifications	HP LTO-5 Ultrium 3000 tape drive	HP LTO-5 Ultrium 3280 tape drive	HP LTO-6 Ultrium 6250 tape drive	HP LTO-6 Ultrium 6650 tape drive
				
Recording technology	LTO-5 Ultrium	LTO-5 Ultrium	LTO-6 Ultrium	LTO-6 Ultrium
Capacity	3 TB Compressed 2:1	3 TB Compressed 2:1	6.25 TB Compressed 2:1	6.25 TB Compressed 2:1
Transfer rate	1 TB/hr Compressed 2:1	1 TB/hr Compressed 2:1	1.4 TB/hr Compressed 2.5:1	1.4 TB/hr Compressed 2.5:1
Buffer size	256 MB Included	256 MB Included	512 MB Included	512 MB Included
Host interface	SAS, FC (MSL only)	SAS, FC (MSL only)	SAS, FC (MSL only)	SAS, FC (MSL only)
Form factor	5.25 inch half height	5.25 inch full height	5.25 inch half height	5.25 inch full height
Encryption capability	AES 256-bit	AES 256-bit	AES 256-bit	AES 256-bit
WORM capability	Yes	Yes	Yes	Yes
Media Compatibility	Read LTO-3 Read & Write LTO-4 & LTO 5	Read LTO-3 Read & Write LTO-4 & LTO 5	Read LTO-4 Read & Write LTO-5 & LTO 6	Read LTO-4 Read & Write LTO-5 & LTO 6

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