



IBM LTO Ultrium Product Guide



Product Comparison

	LTO 10 PA Encryption Partitioning	LTO 10 LA WORM Encryption Partitioning	LTO 9 WORM Encryption Partitioning	LTO 8 WORM Encryption Partitioning	LTO 7 WORM Encryption Partitioning	LTO 6 WORM Encryption Partitioning
Part Numbers	03PL413 03PL413L 03PL415 Lib Pack	03PL170 03PL170L 03PL172 Lib Pack 03PL171 WORM	02XW568 02XW568L 02XW572 Lib Pack 02XW569 WORM	01PL041 01PL041L 01PL054 Lib Pack 01PL042 WORM	38L7302 38L7302L 38L7315 Lib Pack 38L7303 WORM	00V7590 00V7590L 00V7594 Lib Pack 00V7591 WORM
Capacity Native/Compressed	40/100 TB*	30/75 TB*	18/45 TB*	12/30 TB*	6/15 TB*	2.5/6.25 TB*
Cartridge Color	Black	Black	Green	Brick Red	Purple	Black
Transfer Speed	Up to 400 MB/s	Up to 400 MB/s	Up to 400 MB/s	Up to 360 MB/s	Up to 300 MB/s	Up to 160 MB/s
Tape Length	1337 meters	1035 meters	1035 meters	960 meters	960 meters	846 meters
Write/Read Speed	5.80 m/sec	6.01 m/sec	6.05 m/sec	5.65 m/sec	5.1 m/sec	6.83 m/sec
Particle	Strontium Ferrite (SrFe)	Strontium Ferrite (SrFe)	Barium Ferrite (BaFe)	Barium Ferrite (BaFe)	Barium Ferrite (BaFe)	Barium Ferrite (BaFe)
Tracks	15104	15104	8960	6656	3584	2176

Accessory: LTO Ultrium Universal Cleaning Cartridge
35L2086 or 35L2087 labeled
Compatible with all LTO drives generations 1-10

*Assumes 2.5:1 compression



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Compatibility

	LTO Gen 10 Cartridge 30 TB/75 TB 40 TB/100 TB	LTO Gen 9 Cartridge 18 TB/45 TB	LTO Gen 8 Cartridge 12 TB/30 TB	LTO Gen 7 Cartridge 6 TB/15 TB	LTO Gen 6 Cartridge 2.5 TB/6.25 TB	LTO Gen 5 Cartridge 1.5 TB/3 TB
LTO Gen 10 Drive	Read & Write					
LTO Gen 9 Drive		Read & Write	Read & Write			
LTO Gen 8 Drive			Read & Write	Read & Write		
LTO Gen 7 Drive				Read & Write	Read & Write	Read Only
LTO Gen 6 Drive					Read & Write	Read & Write



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LTO Ultrium Media Machine Type and Model (MTM) & Part Numbers

MTM	Cart Qty	Retail Installation Part Number	Description	Aftermarket Reorder Part Number
3589-004	5	35L2086	LTO Universal Cleaning Cartridge	35L2086
3589-005	5	25L2086	LTO Universal Cleaning Cartridge w/ label	35L2087
3589-650	20	00V7590	LTO Ultrium 6 – 2.5 TB Data Cartridge	00V7590
3589-550	20	00V7590	LTO Ultrium 6 – 2.5 TB Data Cartridge w/ label	00V7590L
NA	20	00V7591	LTO Ultrium 6 – 2.5 TB WORM Cartridge	00V7591
NA	20	00V7591	LTO Ultrium 6 – 2.5 TB WORM Cartridge w/ label	00V7591L
3589-651	20	38L7302	LTO Ultrium 7 – 6 TB Data Cartridge	38L7302
3589-551	20	38L7302	LTO Ultrium 7 – 6 TB Data Cartridge w/ label	38L7302L
NA	20	38L7303	LTO Ultrium 7 – 6 TB WORM Cartridge	38L7303
NA	20	38L7303	LTO Ultrium 7 – 6 TB WORM Cartridge w/ label	38L7303L



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LTO Ultrium Media Machine Type and Model (MTM) & Part Numbers

MTM	Cart Qty	Retail Installation Part Number	Description	Aftermarket Reorder Part Number
3589-652	20	01PL041	LTO Ultrium 8 – 12 TB Data Cartridge	01PL041
3589-552	20	01PL041	LTO Ultrium 8 – 12 TB Data Cartridge w/ label	01PL041L
NA	20	01PL042	LTO Ultrium 8 – 12 TB WORM Cartridge	01PL042
NA	20	01PL042	LTO Ultrium 8 – 12 TB WORM Cartridge w/ label	01PL042L
3589-653	20	02XW568	LTO Ultrium 9 – 18 TB Data Cartridge	02XW568
3589-553	20	02XW568	LTO Ultrium 9 – 18 TB Data Cartridge w/ label	02XW568L
NA	20	02XW569	LTO Ultrium 9 – 18 TB WORM Cartridge	02XW569
NA	20	02XW569	LTO Ultrium 9 – 18 TB WORM Cartridge w/ label	02XW569L



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LTO Ultrium Media Machine Type and Model (MTM) & Part Numbers

MTM	Cart Qty	Retail Installation Part Number	Description	Aftermarket Reorder Part Number
3589-654	20	03PL172	LTO Ultrium 10 – 30 TB Cartridge	03PL172
3589-554	20	03PL172	LTO Ultrium 10 – 30 TB Cartridge w/ label	03PL172L
NA	20	03PL171	LTO Ultrium 10 – 30 TB WORM Cartridge	03PL171
NA	20	03PL171	LTO Ultrium 10 – 30 TB WORM Cartridge w/ label	03PL171L
3589-564	20	03PL143	LTO Ultrium 10 – 40 TB Cartridge	03PL143
	20	03PL143	LTO Ultrium 10 – 40 TB Cartridge w/ label	03PL143L

Note: LTO Generations 8-10 available by MTM

LTO Generations 6-10 standard cartridges available via the IBM Aftermarket Channel

LTO Generations 6-10 available with individual jewel cases or in library packs, 20 cartridges per pack

LTO Generations 6-10 WORM cartridges available only via the IBM Aftermarket Channel

LTO Generation 7 M8 initialization is available via the IBM Aftermarket Channel