



# IBM LTO Ultrium Product Guide

## Product Comparison

	<b>Generation 8</b>	<b>Generation 7</b>	<b>Generation 6</b>	<b>Generation 5</b>	<b>Generation 4</b>
	<b>WORM</b>	<b>WORM</b>	<b>WORM</b>	<b>WORM</b>	<b>WORM</b>
	Encryption	Encryption	Encryption	Encryption	Encryption
	Partitioning	Partitioning	Partitioning	Partitioning	
Part Numbers	01PL041 01PL041L 01PL054 Library Pack 01PL054 WORM	38L7302 38L7302L 38L7315 Library Pack 38L7303 WORM	00V7590 00V7590L 00V7594 Library Pack 00V7591 WORM	46X1290 46X6666 46X2012 Library Pack 46X1292 WORM	95P4436 95P4437 45E6715 Library Pack 95P4450 WORM
Capacity - Native / Compressed	12/30 TB*	6/15 TB*	2.5/6.25 TB*	1.5/3.0 TB	800/1600 GB
Cartridge Color	Brick Red	Purple	Black	Brick Red	Green
Transfer	360 MB per second	300 MB per second	160 MB per second	140 MB per second	120 MB per second
Tape Length	960 meters	960 meters	846 meters	846 meters	820 meters
Write/Read	5.65 m/sec	5.1 m/sec	6.83 m/sec	6.25 m/sec	6.25 m/sec
Particle	Barium Ferrite (BaFe)	Barium Ferrite (BaFe)	Barium Ferrite (BaFe)	Metal Particle (MP)	Metal Particle (MP)
Tracks	6656	3584	2176	1280	896

Accessory: LTO Ultrium Universal Cleaning Cartridge  
35L2086 or 35L2087 labeled  
Compatible with all LTO drives Generations 1-8

\*Assumes 2.5:1 compression factor

## Compatibility

	<b>LTO Gen 8 Cartridge</b>	<b>LTO Gen 7 Cartridge</b>	<b>LTO Gen 6 Cartridge</b>	<b>LTO Gen 5 Cartridge</b>	<b>LTO Gen 4 Cartridge</b>
	12TB/30TB	6TB/15TB	2.5TB/ 6.25TB	1.5TB/3.0TB	800/1.6TB
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	Read Only
LTO Gen 5 Drive				Read & Write	Read & Write
LTO Gen 4 Drive					Read & Write



## LTO Ultrium Media Machine Type and Model (MTM)

MTM	Cart QTY	Retail Installation Part Number*	Description	After Market Reorder Part Number*
3589-004	5	35L2086	LTO Cleaning Cartridge	35L2086
3589-008	20	24R1922	LTO Gen 3 400GB Data Cartridge w/label	96P1470
3589-009	20	24R1922	LTO Gen 3 400GB Data Cartridge	24R1922
3589-010	20	95P4436	LTO Gen4 800GB Data Cartridge w/label	95P4437
3589-011	20	95P4436	LTO Gen4 800GB Data Cartridge	95P4436
3589-015	20	46X1290	LTO Gen 5 1.5TB Data Cartridge	46X1290
3589-014	20	46X1290	LTO Gen 5 1.5TB Data Cartridge w/label	46X6666
3589-032	20	95P4450	LTO Gen4 800GB WORM Data Cartridge w/label	95P4451
3589-033	20	95P4450	LTO Gen4 800GB WORM Data Cartridge	95P4450
3589-034	20	46X1292	LTO Gen 5 1.5TB WORM Data Cartridge	46X1292
3589-035	20	46X1292	LTO Gen 5 1.5TB WORM Data Cartridge w/label	46X4444
3589-650	20	00V7590	LTO Gen 6 2.5TB Data Cartridge	00V7590
3589-550	20	00V7590	LTO Gen 6 2.5TB Data Cartridge w/label	00V7590L
3589-670	20	00V7591	LTO Gen 6 2.5TB WORM Data Cartridge	00V7591
3589-570	20	00V7591	LTO Gen 6 2.5TB WORM Data Cartridge w/label	00V7591L
3589-651	20	38L7302	LTO Gen7 6.0TB Data Cartridge	38L7302
3589-551	20	38L7302	LTO Gen7 6.0TB Data Cartridge w/label	38L7302L
3589-671	20	38L7303	LTO Gen7 6.0TB WORM Data Cartridge	38L7303
3589-571	20	38L7303	LTO Gen7 6.0TB WORM Data Cartridge w/label	38L7303L
3589-652	20	01PL041	LTO Gen 8 12.0TB Data Cartridge	01PL041
3589-552	20	01PL041	LTO Gen 8 12.0TB Data Cartridge w/label	01PL041L
3589-672	20	01PL042	LTO Gen 8 12.0TB WORM Data Cartridge	01PL042
3589-572	20	01PL042	LTO Gen 8 12.0TB WORM Data Cartridge w/label	01PL042L

Note: LTO Gen 6-8 available by MTM  
LTO Gen 2-8 available in the Aftermarket