



# IBM LTO Ultrium Product Guide



## Product Comparison

	<b>Generation 9</b>	<b>Generation 8</b>	<b>Generation 7</b>	<b>Generation 6</b>	<b>Generation 5</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	Partitioning
Part Numbers	02XW568 02XW568L 02XW572 Library Pack 02XW569 WORM	01PL041 01PL041L 01PL054 Library Pack 01PL042 WORM	38L7302 38L7302L 38L7315 Library Pack 38L7303 WORM	00V7590 00V7590L 00V7594 Library Pack 00V7591 WORM	46X1290 46X6666 46X2012 Library Pack 46X1292 WORM
Capacity Native/Compressed	18/45 TB*	12/30 TB*	6/15 TB*	2.5/6.25 TB*	1.5/3 TB
Cartridge Color	Green	Brick Red	Purple	Black	Brick Red
Transfer	400 MB per second	360 MB per second	300 MB per second	160 MB per second	140 MB per second
Tape Length	1035 meters	960 meters	960 meters	846 meters	846 meters
Write/Read	6.05 m/sec	5.65 m/sec	5.1 m/sec	6.83 m/sec	6.25 m/sec
Particle	Barium Ferrite (BaFe)	Barium Ferrite (BaFe)	Barium Ferrite (BaFe)	Barium Ferrite (BaFe)	Metal Particle (MP)
Tracks	8960	6656	3584	2176	1280

Accessory: LTO Ultrium Universal Cleaning Cartridge  
35L2086 or 35L2087 labeled  
Compatible with all LTO drives generations 1-9

\*Assumes 2.5:1 compression

## Compatibility

	<b>LTO Gen 9 Cartridge</b>	<b>LTO Gen 8 Cartridge</b>	<b>LTO Gen 7 Cartridge</b>	<b>LTO Gen 6 Cartridge</b>	<b>LTO Gen 5 Cartridge</b>
	18TB/45TB	12TB/30TB	6TB/15TB	2.5TB/6.25TB	1.5TB/3TB
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
LTO Gen 5 Drive					Read & Write



## 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	35L2086	LTO Universal Cleaning Cartridge w/label	35L2087
3589-015	20	46X1290	LTO Ultrium 5 - 1.5TB Data Cartridge	46X1290
3589-014	20	46X1290	LTO Ultrium 5 - 1.5TB Data Cartridge w/label	46X6666
NA	20	46X1292	LTO Ultrium 5 - 1.5TB WORM Cartridge	46X1292
NA	20	46X1292	LTO Ultrium 5 - 1.5TB Cartridge w/label	46X4444
3589-650	20	00V7590	LTO Ultrium 6 - 2.5TB Data Cartridge	00V7590
3589-550	20	00V7590	LTO Ultrium 6 - 2.5TB Data Cartridge w/label	00V7590L
NA	20	00V7591	LTO Ultrium 6 - 2.5TB WORM Cartridge	00V7591
NA	20	00V7591	LTO Ultrium 6 - 2.5TB WORM Cartridge w/label	00V7591L
3589-651	20	38L7302	LTO Ultrium 7 - 6TB Data Cartridge	38L7302
3589-551	20	38L7302	LTO Ultrium 7 - 6TB Data Cartridge w/label	38L7302L
NA	20	38L7303	LTO Ultrium 7 - 6TB WORM Cartridge	38L7303
NA	20	38L7303	LTO Ultrium 7 - 6TB WORM Cartridge w/label	38L7303L
3589-652	20	01PL041	LTO Ultrium 8 - 12TB Data Cartridge	01PL041
3589-552	20	01PL041	LTO Ultrium 8 - 12TB Data Cartridge w/label	01PL041L
NA	20	01PL042	LTO Ultrium 8 - 12TB WORM Cartridge	01PL042
NA	20	01PL042	LTO Ultrium 8 - 12TB WORM Cartridge w/label	01PL042L
3589-653	20	02XW568	LTO Ultrium 9 - 18TB Data Cartridge	02XW568
3589-553	20	02XW568	LTO Ultrium 9 - 18TB Data Cartridge w/label	02XW568L
NA	20	02XW569	LTO Ultrium 9 - 18TB WORM Cartridge	02XW569
NA	20	02XW569	LTO Ultrium 9 - 18TB WORM Cartridge w/label	02XW569L

Note: LTO Generations 8-9 available by MTM

LTO Generations 5-9 standard cartridges available via the IBM Aftermarket channel

LTO Generations 5-9 WORM cartridges available only via the IBM Aftermarket channel

LTO Generations 5-9 available with individual jewel cases or in library packs, 20 cartridges per pack

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