

	Generation							
Attribute	LTO-1	LTO-2	LTO-3	LTO-4	LTO-5	LTO-6	LTO-7	LTO-8
Release Date	2000	2003	2005	2007	2010	TBA <sup>[6]</sup>	TBA	TBA
Native Data Capacity	100 GB	200 GB	400 GB	800 GB	1.5 TB <sup>[7]</sup>	3.2 TB <sup>[8]</sup>	6.4 TB <sup>[6]</sup>	12.8 TB <sup>[6]</sup>
Max Speed (MB/s)	20	40	80	120	140	270 <sup>[9]</sup>	315 <sup>[6]</sup>	472 <sup>[6]</sup>
Compression Capable?	Yes "2:1"					Planned "2.5:1" <sup>[6]</sup>		
WORM Capable?	No		Yes			Planned		
Encryption Capable?	No			Yes		Planned		
Partition Capable?	No (1)				Yes (2)		Planned	
Tape Thickness	8.9 μm		8 μm	6.6 μm	6.4 μm			
Tape Length	609 m		680 m	820 m	846 m			
Tape Tracks	384	512	704	896	1280			
Write Elements	8		16 <sup>[7]</sup>					
Wraps per Band	12	16	11	14	20 <sup>[7]</sup>			
Linear Density (bits/mm)	4880	7398	9638	13250	15142 <sup>[10]</sup>			
Encoding	RLL 1,7	RLL 0,13/11; PRML			RLL 32/33; PRML			