

The following is a statement of the memory volatility for the IBM LTO Generation 1, Generation 2, Generation 3 and Generation 4, full height and half height tape drive products.

**IBM LTO Gen 1**

<b><u>Memory Size</u></b>	<b><u>Memory Type</u></b>	<b><u>Volatile/Non Volatile</u></b>	<b><u>User Data</u></b>
2 MB	Flash	Non Volatile	No
8 KB	EEPROM	Non Volatile	No
8 MB	uP-SDRAM	Volatile	No
16 MB (2X)	data-SDRAM	Volatile	Yes
8 MB (2X)	FC-SDRAM	Volatile	Yes

**IBM LTO Gen 2**

<b><u>Memory Size</u></b>	<b><u>Memory Type</u></b>	<b><u>Volatile/Non Volatile</u></b>	<b><u>User Data</u></b>
4 MB	Flash	Non Volatile	No
16 KB	EEPROM	Non Volatile	No
8 MB	uP-SDRAM	Volatile	No
32 MB (2X)	data-SDRAM	Volatile	Yes
8 MB (2X)	FC-SDRAM	Volatile	Yes

**IBM LTO Gen 3/Gen3-HH**

<b><u>Memory Size</u></b>	<b><u>Memory Type</u></b>	<b><u>Volatile/Non Volatile</u></b>	<b><u>User Data</u></b>
8 MB	Flash	Non Volatile	No
32 KB	EEPROM	Non Volatile	No
16 MB	uP-SDRAM	Volatile	No
32 MB (4X)	data-DDR-SDRAM	Volatile	Yes
32 MB (2X)	FC/SAS-DDR-SDRAM	Volatile	Yes

**IBM LTO Gen 4**

<b><u>Memory Size</u></b>	<b><u>Memory Type</u></b>	<b><u>Volatile/Non Volatile</u></b>	<b><u>User Data</u></b>
16 MB	uCode-Flash	Non Volatile	No
8 MB	Dump-Flash	Non Volatile	No
64 KB	EEPROM	Non Volatile	No
64 MB (2X)	uP-DDR-SDRAM	Volatile	No
64 MB (4X)	data-DDR2-SDRAM	Volatile	Yes
64 MB (2X)	FC/SAS-DDR-SDRAM	Volatile	Yes



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**IBM LTO Gen 4-HH**

<b><u>Memory Size</u></b>	<b><u>Memory Type</u></b>	<b><u>Volatile/Non Volatile</u></b>	<b><u>User Data</u></b>
16 MB	uCode-Flash	Non Volatile	No
64 KB	EEPROM	Non Volatile	No
64 MB (2X)	uP-DDR-SDRAM	Volatile	No
64 MB (4X)	data-DDR2-SDRAM	Volatile	Yes
64 MB (2X)	SAS-DDR-SDRAM	Volatile	Yes