

Statement of Volatility

For Overland-Tandberg Products

The following is a statement of the memory volatility for all versions (LTO-3 through 8) of the IBM LTO full-height (FH) and half-height (HH) tape drive products.

Certificate Date: September 13, 2017

IBM LTO Gen 3/Gen3-HH

<u>Memory Size</u>	<u>Memory Type</u>	<u>Volatile/Non-Volatile</u>	<u>User Data</u>
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-FH

<u>Memory Size</u>	<u>Memory Type</u>	<u>Volatile/Non-Volatile</u>	<u>User Data</u>
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

IBM LTO Gen 4-HH

<u>Memory Size</u>	<u>Memory Type</u>	<u>Volatile/Non-Volatile</u>	<u>User Data</u>
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

IBM LTO Gen 5-FH

<u>Memory Size</u>	<u>Memory Type</u>	<u>Volatile/Non-Volatile</u>	<u>User Data</u>
32 MB	uCode&Dump Flash	Non-Volatile	No
128MB (4X)	uP&data-DDR2-SDRAM	Volatile	Yes
256MB (1X)	FC/SAS-DDR3-SDRAM	Volatile	Yes

IBM LTO Gen 5-HH

<u>Memory Size</u>	<u>Memory Type</u>	<u>Volatile/Non-Volatile</u>	<u>User Data</u>
32 MB	uCode&Dump Flash	Non-Volatile	No
128MB (2X)	uP&data-DDR2-SDRAM	Volatile	Yes
256MB (1X)	FC/SAS-DDR3-SDRAM	Volatile	Yes

IBM LTO Gen 6-FH

<u>Memory Size</u>	<u>Memory Type</u>	<u>Volatile/Non-Volatile</u>	<u>User Data</u>
64 MB	uCode&Dump Flash	Non-Volatile	No
512MB (2X)	uP&data-DDR3-SDRAM	Volatile	Yes
256MB (1X)	FC/SAS-DDR3-SDRAM	Volatile	Yes

IBM LTO Gen 6-HH

<u>Memory Size</u>	<u>Memory Type</u>	<u>Volatile/Non-Volatile</u>	<u>User Data</u>
64 MB	uCode&Dump Flash	Non-Volatile	No
256MB (2X)	uP&data-DDR3-SDRAM	Volatile	Yes
256MB (1X)	FC/SAS-DDR3-SDRAM	Volatile	Yes

IBM LTO Gen 7-FH

<u>Memory Size</u>	<u>Memory Type</u>	<u>Volatile/Non-Volatile</u>	<u>User Data</u>
128MB	uCode&Dump Flash	Non-Volatile	No
512MB (2X)	uP&data-DDR3-SDRAM	Volatile	Yes
256MB (1X)	FC/SAS-DDR3-SDRAM	Volatile	Yes

IBM LTO Gen 7-HH

<u>Memory Size</u>	<u>Memory Type</u>	<u>Volatile/Non-Volatile</u>	<u>User Data</u>
128MB	uCode&Dump Flash	Non-Volatile	No
512MB (2X)	uP&data-DDR3-SDRAM	Volatile	Yes
256MB (1X)	FC/SAS-DDR3-SDRAM	Volatile	Yes

IBM LTO Gen 8-FH

<u>Memory Size</u>	<u>Memory Type</u>	<u>Volatile/Non-Volatile</u>	<u>User Data</u>
128MB	uCode&Dump Flash	Non-Volatile	No
512MB (2X)	uP&data-DDR3-SDRAM	Volatile	Yes
256MB (1X)	FC/SAS-DDR3-SDRAM	Volatile	Yes

IBM LTO Gen 8-HH

<u>Memory Size</u>	<u>Memory Type</u>	<u>Volatile/Non-Volatile</u>	<u>User Data</u>
128MB	uCode&Dump Flash	Non-Volatile	No
512MB (2X)	uP&data-DDR3-SDRAM	Volatile	Yes
256MB (1X)	FC/SAS-DDR3-SDRAM	Volatile	Yes