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ATTO Technology, Inc.

Statement of Volatility

The following is a statement of memory volatility for the ATTO FibreBridge 7500N product (SKU FCBR-7500-DN1 and FCBR-7500-FR1). This product does store user data during normal operation.

Memory Type	Memory Size	Volatility	User Data
Static RAM (BCE)	512KB	Volatile	No[1]
Static RAM (BCE)	32KB (x2)	Volatile	No[1]
Static ROM (BCE)	64KB	Volatile	No[2]
Static RAM (BCE)	64KB	Volatile	No[3]
SDRAM (BCE)	512MB	Volatile	No[3]
SDRAM (BAU)	2GB	Volatile	Yes[3]
Flash (BCE)	128MB	Non-Volatile	No[4]
NAND Flash (BCE)	512MB	Non-Volatile	No[5]
Flash (BCE)	8MB	Non-Volatile	No[6]
Flash (BAU)	32MB	Non-Volatile	No[6]
Static RAM (RTC)	256b	Volatile	No[7]
Flash (FC)	32MB	Non-volatile	Yes[8]
EEPROM (FC)	32KB	Non-volatile	No[9]
Static RAM (FC)	1MB	Volatile	Yes[10]
EEPROM (SAS)	32Kb	Non-Volatile	No[11]
Static RAM (SAS)	1MB	Volatile	Yes[12]
Static RAM (BAU)	1.5MB	Volatile	No[13]

Notes:

1	Processor internal data caches (L1 and L2). Memory is cleared when device is powered off for 10 seconds or more.
2	Processor Boot ROM. Memory is cleared when unit is powered off for 10 seconds or more
3	System memory. Memory is cleared when unit is powered off for 10 seconds or more
4	Used to store executable firmware code, user configured parameters and passwords. User configuration and passwords can be cleared by restoring the FibreBridge configuration to defaults.
5	Stores bridge event log information. Memory can be cleared using CLI command.
6	FPGA configuration flash. Not used. Not accessible during normal operation.
7	Real Time Clock Internal RAM. Not used. Memory is cleared when device is powered off for 10 seconds or more.
8	Used to store executable Fibre Channel firmware code and user configured card parameters. User configured parameters can be reset through the ATTO Configuration Utility.
9	Fibre channel adapter memory. Used to store system event messages.
10	Fibre channel controller internal memory. Will lose information when device is powered off for 10 seconds or more.
11	Used to store SAS controller configuration data.
12	RAM is internal to the SAS controller. Will lose information when device is powered off for 10 seconds or more.
13	Internal memory. Memory is cleared when unit is powered off for 10 seconds or more