



## Letter of Volatility Under Normal Use Conditions

13 MARCH 2017

Model(s)	Memory Class	Type	Size (bytes)	User Accessible	System Accessible	Battery Backup	Purpose	Method of Clearing
H2-DM1x, T1H-DM1x	Volatile	SRAM	512K	Yes	Yes	Yes	Retentive portion of Image Register, Mode State	From Do-more! Designer menu select PLC --> Clear PLC Memory
	Volatile	SDRAM	8M	Yes	Yes	No	Image Register, System Data, Program Data, User Files	Power Cycle
	Volatile	FPGA SRAM	650K	No	Yes	No	FPGA Logic, System Data	Power Cycle
	Non-Volatile	Flash ROM	16M	Yes	Yes	No	User Program, System Configuration, Documentation, Password Configuration, Operating System, FPGA Configuration, System Settings	From Do-more! Designer menu select PLC --> Clear PLC Memory
	Non-Volatile	OTP ROM	343	No	Yes	No	USB Unique Hardware ID, address and configuration	None available to User
BX-DM1E-M, BX-DM1E-M-D	Volatile	SRAM	512K	Yes	Yes	Yes	Retentive portion of Image Register, Mode State	From Do-more! Designer menu select PLC --> Clear PLC Memory
	Volatile	SDRAM	8M	Yes	Yes	No	Image Register, System Data, Program Data, User Files	Power Cycle
	Volatile	FPGA SRAM	1.5M	No	Yes	No	FPGA Logic, System Data	Power Cycle
	Non-Volatile	Flash ROM	32M	Yes	Yes	No	User Program, System Configuration, Documentation, Password Configuration, Operating System, FPGA Configuration, System Settings	From Do-more! Designer menu select PLC --> Clear PLC Memory
	Media Storage	uSD Card	up to 32G	Yes	Yes	No	Data Logging, User Files and Project Related Data	From Do-more! Designer menu select PLC --> Browse PLC File Systems
BX-DM1x-10x	Volatile	SRAM	512K	Yes	Yes	Yes	Retentive portion of Image Register, Mode State	From Do-more! Designer menu select PLC --> Clear PLC Memory
	Volatile	SDRAM	8M	Yes	Yes	No	Image Register, System Data, Program Data, User Files	Power Cycle
	Volatile	FPGA SRAM	1.5M	No	Yes	No	FPGA Logic, System Data	Power Cycle
	Non-Volatile	Flash ROM	32M	Yes	Yes	No	User Program, System Configuration, Documentation, Password Configuration, Operating System, FPGA Configuration, System Settings	From Do-more! Designer menu select PLC --> Clear PLC Memory
	Media Storage	uSD Card	up to 32G	Yes	Yes	No	Data Logging, User Files and Project Related Data	From Do-more! Designer menu select PLC --> Browse PLC File Systems
	Non-Volatile	EEPROM #1	256	No	Yes	No	Module Identity, Analog Calibration Constants	None available to User
BX-DM1x-18x, BX-DM1x-36x	Volatile	SRAM	512K	Yes	Yes	Yes	Retentive portion of Image Register, Mode State	From Do-more! Designer menu select PLC --> Clear PLC Memory
	Volatile	SDRAM	8M	Yes	Yes	No	Image Register, System Data, Program Data, User Files	Power Cycle
	Volatile	FPGA SRAM	1.5M	No	Yes	No	FPGA Logic, System Data	Power Cycle
	Non-Volatile	Flash ROM	32M	Yes	Yes	No	User Program, System Configuration, Documentation, Password Configuration, Operating System, FPGA Configuration, System Settings	From Do-more! Designer menu select PLC --> Clear PLC Memory
	Media Storage	uSD Card	up to 32G	Yes	Yes	No	Data Logging, User Files and Project Related Data	From Do-more! Designer menu select PLC --> Browse PLC File Systems
	Non-Volatile	EEPROM #1	256	No	Yes	No	Module Identity, Analog Calibration Constants	None available to User
	Non-Volatile	EEPROM #2	256	No	Yes	No	Module Identity, Analog Calibration Constants	None available to User
BX-nnxx Expansion I/O	Non-Volatile	EEPROM	256	No	Yes	No	Module Identity	None available to User
BX-P-ECOMLT	Volatile	Microcontroller SRAM	64K	No	Yes	No	System Data	None available to User
	Non-Volatile	Microcontroller Flash ROM	256K	No	Yes	No	Operating System, MAC Address	None available to User
BX-P-USB-B	Non-Volatile	OTP ROM	343	No	Yes	No	USB Unique Hardware ID, address and configuration	None available to User