



Statement of Volatility – Dell Vostro 13 5310

⚠ CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

The Dell Vostro 13 5310 contains both volatile and non-volatile components. Volatile components lose their data immediately after power is removed from the component. Non-volatile components continue to retain their data even after power is removed from the component. The following Non-volatile components are present on the Vostro 13 5310 system board.

Table 1. List of Non-Volatile Components on System Board

Description	Reference Designator	Volatility Description	User Accessible for external data	Remedial Action (Action necessary to prevent loss of data)
SSD drive(s)	SSD1	Non-Volatile magnetic media, various sizes in GB. SSD (solid state flash drive).	No	Low level format
System BIOS/EC	BIOS4 (32 MB)	Non-Volatile memory, 32 MB, System BIOS and Video BIOS for basic boot operation, PSA (on board diags), Intel ME firmware for system configure, security and protection and ISH firmware.	No	NA
Thunderbolt EEPROM	U7103 (1 MB)	Non-Volatile memory, 8 Mbit (1 MB) (Thunderbolt FW)	No	NA
USB-Type C PD	U7201	Non-Volatile memory for USB type-C PD F/W	No	NA
LCD Panel EEDID EEPROM	Part of panel assembly	Non-Volatile memory, Stores panel manufacturing information, display configuration data	No	NA
System Memory – LPDDR4x memory	RAM1, RAM2, RAM3, RAM4	Volatile memory in OFF state (see state definitions later in text) Four packages memories must be populated. System memory size will depend on the size of each piece memory and must be between 4 GB and 32 GB.	Yes	Power off system
RTC CMOS	RTC1	Non-Volatile memory 256 bytes Stores CMOS information	Yes	NA
Video memory – frame buffer	For UMA platform: Using system memory For DIS platform: using GDDR6	Volatile memory in off state. UMA uses main system memory size allocated out of main memory. DIS uses GDDR6 memory size	Yes	Power off system
TPM Controller	U9101	Non-Volatile memory, support 2 KB size FIFO and CRB, up to 64 byte data transfer size, max frequency of 54 MHz.	No	N/A
Digital IMVP9 controller	PU4601	Non-Volatile memory, 4096 bit (512 B) Digital IMVP9 controller	No	N/A

⚠ CAUTION: All other components on the system board lose data if power is removed from the system. Primary power loss (unplugging the power cord and removing the battery) destroys all user data on the memory (DDR4, 2667 MHz). Secondary power loss (removing the on-board coin-cell battery) destroys system data on the system configuration and time-of-day information.

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