



Statement of Volatility – Dell Vostro 7500

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

The Dell Vostro 7500 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 7500 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)
Embedded Flash in embedded controller MEC1515	KBC24	256 KB of embedded Flash memory for keyboard controller BIOS code, asset tag and BIOS passwords	No	N/A
Panel EEDID EEPROM	Part of panel assembly	Non-Volatile memory, 512 bytes.	No	N/A
System BIOS	CML-H: SPI25, SPI251	Non-Volatile memory, 24 MB, System BIOS and Video BIOS for basic boot operation, PSA (on-board diags), PXE diags.	No	N/A
Video BIOS	CML-H: U7902	Non-Volatile memory, Discrete Graphics BIOS.	No	N/A
System Memory – DDR4 memory	On board DRAM+ SODIMM Connectors RAM1 RAM2, RAM3, RAM4, DM1	Volatile memory in OFF state One module must be populated. System memory size will depend on DRAM 8 GB + SODIMM modules and must be between 4 GB and 16 GB.	Yes	Keep system power on
System memory SPD EEPROM	Part of memory module assembly	Non-Volatile memory, Stores memory manufacturer data and timing information into BIOS code.	No	N/A
Video memory – frame buffer	VRAM1, VRAM2, VRAM3, VRAM4	Volatile memory in off state. 4 GB GDDR6 for Nvidia N18P-G61/G62 discrete graphics systems.	No	Keep system power on
Hard drive(s)	User replaceable - one or two.	Non-Volatile magnetic media, various sizes in GB. May also be SSD (solid state flash drive).	Yes	Low level format

⚠ 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 (DDR3, 1067 MHz). Secondary power loss (removing the on-board coin-cell battery) destroys system data on the system configuration and time-of-day information.