



# Statement of Volatility – Dell Latitude 3470

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

The Dell 3470 contains both volatile and non-volatile (NV) components. Volatile components lose their data immediately after power is removed from the component. Non-volatile (NV) components continue to retain their data even after power is removed from the component. The following NV components are present on the 3470 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 NPCE285P AODX	KBC24	132 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, 128 bytes.	No	N/A
System BIOS	SPI25	Non-Volatile memory, 64 Mbit (8 MB), System BIOS and Video BIOS for basic boot operation, PSA (on board diags), PXE diags.	No	N/A
System Memory – DDR3 memory	Two SODIMM connectors:  DM1,DM2	<p>Volatile memory in OFF state</p> <p><b>NOTE:</b> See state definitions later in text.</p> <p>Two modules will be populated. System memory size will depend on Sodimm modules and will be between 4GB and 16GB inclusive</p>	Yes	Power off system
System memory SPD EEPROM	On memory SoDIMM(s) – one present	Non-Volatile memory 2Kbit (256 bytes). One device present on each SoDIMM. Stores memory manufacturer data and timing information for correct operation of system memory.	No	N/A
RTC CMOS	CPU1	<p>Non-Volatile memory, 256 Bytes.</p> <p>Stores CMOS information in PCH.</p>	No	N/A
Video memory – frame buffer	VRAM1, VRAM2, VRAM3, VRAM4	External 2GB VRAM(DDR3L) for N16V-GM discrete graphics systems.	No	Power off system

Description	Reference Designator	Volatility Description	User Accessible for external data	Remedial Action (Action necessary to prevent loss of data)
Hard drive(s)	User replaceable -	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 (DDR3L, 1600 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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