



# Statement of Volatility — Dell Precision 3630 Tower

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

The Dell Precision 3630 Tower 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 Precision 3630 Tower 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)
N/A	U3	N/A	No	N/A
Panel EEDID EEPROM	Part of panel assembly	Non Volatile memory, 512 bytes.	No	Part of panel assembly
System BIOS	U18	Non Volatile memory, 32 Mbit (4 MB), System BIOS and Video BIOS for basic boot operation, PSA (on board diags), PXE diags.	No	N/A
Video BIOS	On GFx cards (G92 or G94):	Non Volatile memory, 512 kbit (64 KB), Graphics system BIOS.	No	N/A
System Memory - DDR3 memory	Four SODIMM connectors:  JDIM1,2,3,4	N/A	Yes	Power off system
System memory SPD EEPROM	On System memory SODIMM(s) - 2-4 present	Non Volatile memory 512 Bytes.  Stores memory manufacturer data and timing information for correct operation of system memory.	No	N/A
RTC CMOS - BBRAM (battery backed up)	U3	Non Volatile memory, 64 Bytes.  Stores CMOS information.	No	N/A

Description	Reference Designator	Volatility Description	User Accessible for external data	Remedial Action (Action necessary to prevent loss of data)
Video memory - frame buffer	On GFx cards (G92 or G94):  U2A, U2B, U3A, U3B, U4A, U4B, U5A, U5B, U6A, U6B, U7A, U7B, U8A, U8B, U9A, U9B	<p>Volatile memory in off state.</p> <p>1 GB GDDR3 for G92 discrete graphics systems.</p> <p>256 MB GDDR3 for G94 discrete graphics systems.</p>	No	N/A
LOM Serial Flash Memory	U18	Non Volatile memory, 8 Mbit (2 MB) MAC address, LED mode, WOL settings, PXE settings.	No	N/A
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
CD-ROM/RW/ DVD/ DVD+RW/ Diskette Drives	User replaceable	Non Volatile optical media.	Yes	Low level format/erase

**⚠ 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.

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