



Statement of Volatility – Dell Precision 3930 Rack Workstation

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

The Dell Precision 3930 Rack Workstation, Statement of Volatility 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 Dell Precision 3930 Rack Workstation 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
System BIOS	U60	Non Volatile memory, 256 Mbit (32 MB), System BIOS for basic boot operation, PSA (on board diags), PXE diags.	No	N/A
EC Flash	U74	Non Volatile memory, 4 Mbit, EC EEPROM for system temperature monitor etc.	No	N/A
AQC107 10G controller Flash	U51	Non Volatile memory, 32 Mbit. For MAC address settings	No	N/A
CPLD	U66	Non Volatile memory, for basic boot sequence etc.	No	N/A
System Memory – DDR4 memory	Four UDIMM connectors: CON1,CON2,CON3,CON4	N/A	Yes	Power off system
RTC CMOS	BATT1	Non Volatile memory, Stores CMOS information.	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
EEPROM	U11(Riser1A)	4 Kbit serial I ² C bus EEPROM for PCIE ReDriver equalization setting	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 (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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