



# Statement of Volatility – Dell P2016 Monitor

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

The Dell P2016 Monitor 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 P2016 Monitor system board.

## List of Non-Volatile Components on System Board

<b>System EEPROM</b>	ST M24C16
Size	128Kbit
Type [e.g. Flash PROM, EEPROM]	EEPROM
Volatility	Non-volatile
Can user programs or operating system write data to it during normal operation?	OSD setting: Yes
Purpose	Storage of system setting (OSD)
How is data input to this memory?	Control the OSD menu and change OSD setting(ex. Brightness, contrast, color setting) and the setting will be stored into system EEPROM
How is this memory write protected?	Software write protected

<b>VGA EDID EEPROM</b>	ST M24C02
Size	2Kbit
Type [e.g. Flash PROM, EEPROM]	EEPROM
Volatility	Non-volatile
Can user programs or operating system write data to it during normal operation?	No
Purpose	Storage of VGA EDID
How is data input to this memory?	VGA EDID is embedded in the firmware, and copied to EEPROM after F/W programming. (or via customized EDID tool)
How is this memory write protected?	Hardware and software write protected

<b>Flash ROM</b>	MXIC MX25L4006EM1I
Size	4M bit
Type [e.g. Flash PROM, EEPROM]	Serial flash memory

Volatility	Non-volatile
Can user programs or operating system write data to it during normal operation?	No
Purpose	To store firmware
How is data input to this memory?	Loading flash memory requires a vendor-provided tool and firmware
How is this memory write protected?	Software write protected

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