Statement of Volatility – Dell P3421W Monitor

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

The purpose of this document is to certify that Dell's P3421W monitor will not save, retain or reproduce a signal to any internal or external component after power has been removed and reapplied to the unit.

The Dell P3421W 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 P3421W Monitor.

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)
System EEPROM: ST M24C64	Storage of system setting (OSD)	Non-Volatile memory, 64 Kbit.	OSD setting: Yes	Control the OSD menu and change OSD setting(ex. Brightness, contrast, color setting) and the setting will be stored into system EEPROM. This Software is write protected.
HDMI EDID EEPROM: ST M24C02	Storage of HDMI EDID	Non-Volatile memory, 2 Kbit.	No	.HDMI EDID is embedded in the firmware, and copied to EEPROM after F/W programming. (or using customized EDID tool). This is hardware and software are write protected.
System Flash ROM: MXIC MX25L3233FM2I-08G (Serial flash memory)	To store firmware.	Non-Volatile memory, 32 Kbit.	No	Loading flash memory requires a vendor-provided tool and firmware. This Software is write protected.
USB Hub EEPROM: ST M24C16	Storage of USB Hub setting	Non- Volatile memory, 32 Kbit.	No	Factory burnt data or via vendor-provided tool to update. This Software is write protected.
PD controller Flash ROM: WINBOND W25Q80DVSNIG (Serial flash memory)	To store firmware.	Non-Volatile memory, 8 Bit.	No	Loading flash memory requires a vendor-provided tool and firmware. This Software is write protected.

△ **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 (DDR4, 2400/2666 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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