



## Statement of Volatility – Dell 2408WFP Monitor

The purpose of this document is to certify that the Dell 2408WFP 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 2408WFP monitor contains both volatile and non-volatile (NV) memory ICs. Volatile memory(s) lose their data immediately upon removal of power. Non-volatile memory ICs continue to retain their data even after the power has been removed. However, no input video data is written into these memory ICs during operation.

List below contains volatile and non-volatile memory ICs used in the Dell 2408WFP monitor.

<b>Flash ROM</b>	MX25xxxxxx
Size	16 Mbit
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 firmware file.
How is this memory write protected?	Software write protected

<b>DDR SDRAM</b>	H5XXXXXXX
Size	8 x 16 Mbit
Type [e.g. Flash PROM, EEPROM]	DDR SDRAM
Volatility	Volatile
Can user programs or operating system write data to it during normal operation?	No

Purpose	Buffer of video decoder
How is data input to this memory?	Video is received by video decoder chip (CVBS processor) and processed in SDRAM.
How is this memory write protected?	No write protect mechanism

<b>DDR2 SDRAM</b>	H5XXXXXXXX
Size	32 x 16 Mbit
Type [e.g. Flash PROM, EEPROM]	DDR2 SDRAM
Volatility	Volatile
Can user programs or operating system write data to it during normal operation?	No
Purpose	Buffer for video processing
How is data input to this memory?	Video is received by monitor core chip and processed in SDRAM.
How is this memory write protected?	No write protect mechanism

<b>System EEPROM</b>	ATXXXXXXXX
Size	32 Kbit
Type [e.g. Flash PROM, EEPROM]	EEPROM
Volatility	Non-volatile
Can user programs or operating system write data to it during normal operation?	Yes
Purpose	Storage of system setting(OSD)
How is data input to this memory?	Controls the OSD menu and changes the OSD settings (ex. Brightness, contrast, color setting) and the settings will be stored into system EEPROM
How is this memory write protected?	Software write protected

<b>VGA EDID EEPROM</b>	M24XXXXXXXX
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	To store VGA EDID
How is data input to this memory?	Writing EDID requires a vendor-provided tool and an specific VGA cable.
How is this memory write protected?	Hardware and software write protected

<b>DVI EDID EEPROM</b>	M24XXXXXXXX
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	To store DVI EDID
How is data input to this memory?	Writing EDID requires a vendor-provided tool and an specific DVI cable.
How is this memory write protected?	Hardware write protected

<b>Flash ROM</b>	MX25XXXXXX
Size	1 Mbit
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 firmware
How is this memory write protected?	Hardware 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) destroys all user data.

-----

© 2019 Dell Inc.

2019-12 A00