



Date: February 2, 2022

Subject: Statement of Volatility – Dell E2223HN Monitor

To whom it may concern:

The purpose of this document is to certify that Dell's E2223HN 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 E2223HN 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 Dell E2223HN monitor.

System EEPROM	FMSH FM24C16D
Size	16Kbit
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 OSD settings (ex. brightness, contrast, color) and the settings will be stored into system EEPROM.
How is this memory write protected?	Software write protected

VGA EDID EEPROM	FMSH FM24C02C
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?	Software write protected

HDMI EDID EEPROM	FMSH FM24C02C
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 HDMI EDID
How is data input to this memory?	HDMI 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?	Software write protected

System Flash ROM	FMSH FM25Q04
Size	4Mbit
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

Please direct any questions to your Dell Marketing contact.

Sincerely,

Dell Marketing