



Statement of Volatility – Dell U2718Q Monitor

The purpose of this document is to certify that the Dell U2718Q 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 U2718Q 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.

The list below contains volatile and non volatile memory ICs used in the Dell U2718Q monitor.

System EEPROM	ST 24C128
Size	128 Kbit
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) and DP EDID.
How is data input to this memory?	Controls the OSD menu and changes OSD setting (ex. brightness, contrast, color setting) and the settings will be stored into system EEPROM.
How is this memory write protected?	Software write protected
HDMI 1.4 EDID EEPROM	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 HDMI 1.4 EDID
How is data input to this memory?	Writing EDID requires a customized EDID tool and a special HDMI cable.
How is this memory write protected?	Hardware and software write protected
HDMI2.0 HDR EDID EEPROM	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 HDMI 2.0 HDR EDID
How is data input to this memory?	Writing EDID requires a customized EDID tool and a special HDMI cable.
How is this memory write protected?	Hardware and software write protected
HDMI2.0 NO HDR EDID EEPROM	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 HDMI 2.0 NO HDR EDID
How is data input to this memory?	Writing EDID requires a customized EDID tool and a special HDMI cable.
How is this memory write protected?	Hardware and software write protected

Flash ROM	Winbond W25X40B
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 USB IC 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
Flash ROM	MXIC MX25L1606
Size	16Mbit
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 Scalar 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



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.