



Statement of Volatility – Dell UltraSharp U2711

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

The Dell UltraSharp U2711 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 system board.

List below contains volatile and non-volatile memory ICs used in Dell UltraSharp U2711 monitor.

Flash ROM	MX25L1605DM2I-12G
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 and loader program which is executed by running an USB upgrade FW tool.
How is this memory write protected?	Software write-protected

DDR SDRAM	H5DU1262GTR-E3C
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

DDR2 SDRAM	H5PS5162FFR-S6C
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

System EEPROM	AT24C32CN-SH-T
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?	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

VGA EDID EEPROM	M24C02-RMN6TP
Size	2 Kbit
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 a specific VGA cable.
How is this memory write protected?	Hardware and software write-protected

DVI-1 EDID EEPROM	M24C02-RMN6TP
Size	2 Kbit
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 a specific DVI cable.
How is this memory write protected?	Hardware write-protected

DVI-2 EDID EEPROM	M24C02-RMN6TP
Size	2 Kbit
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 a specific DVI cable.
How is this memory write protected?	Hardware write-protected

HDMI EDID EEPROM	M24C02-RMN6TP
Size	2 Kbit
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 HDMI EDID
How is data input to this memory?	Writing EDID requires a vendor-provided tool and a specific HDMI cable.
How is this memory write protected?	Hardware write-protected

DP EDID EEPROM	M24C02-RMN6TP
Size	2 Kbit
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 DP EDID
How is data input to this memory?	Writing EDID requires a vendor-provided tool and a specific DP cable.
How is this memory write protected?	Hardware write-protected

Flash ROM	MX25L1005MC-12G
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 file and loader program which is executed by running an USB upgrade FW tool.
How is this memory write protected?	Hardware write-protected