



Date: August 23, 2017

Subject: Statement of Volatility – Dell S518WL Projector

To whom it may concern:

The purpose of this document is to certify that Dell's S518WL projector 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 S518WL projector 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 S518WL projector.

System EEPROM	24LC32
Size	32K bit
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)
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 and HDMI EDID EEPROM	24LC02
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 and HDMI EDID
How is data input to this memory?	Writing EDID requires a customized EDID tool.
How is this memory write protected?	Hardware and software write protected

LAN EEPROM	24LC02
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, ex. IP address , DHCP ...
Purpose	Storage of MAC address , Network information ..
How is data input to this memory?	Writing MAC address requires a customized MAC software tool and a Ethernet cable.
How is this memory write protected?	Software write protected

Multimedia NAND Flash	MT29F64G08CBABAW
Size	64G bit (8G x 8)
Type [e.g. Flash PROM, EEPROM]	NAND Flash memory
Volatility	Non-volatile
Can user programs or operating system write data to it during normal operation?	No
Purpose	(1) Storage of AM8250 firmware. (2) Storage of user's data (Ex: Document, photo, music, video)
How is data input to this memory?	(1) Writing AM8250 firmware requires a customized programming tool. (2) Copy files via USB A to A cable.
How is this memory write protected?	(1) Software write protected. (2) Internal memory is free to access and delete.

System NOR Flash	M29DW128G70NF6E
Size	128M bit (8M x 16)
Type [e.g. Flash PROM, EEPROM]	NOR Flash memory
Volatility	Non-volatile
Can user programs or operating system write data to it during normal operation?	No
Purpose	(1) Storage of DDP4421 firmware. (2) For screen capture function.
How is data input to this memory?	(1) Writing DDP4421 firmware requires a customized programming tool. (2) Writing captured image, requires end user manually operation via OSD menu.
How is this memory write protected?	Software write protected

MCU on chip Flash	LPC11U67JBD100E
Size	128K Byte Flash, 4K Byte EEPROM
Type [e.g. Flash PROM, EEPROM]	MCU (on chip flash memory, EEPROM)
Volatility	Non-volatile
Can user programs or operating system write data to it during normal operation?	No
Purpose	Storage of MCU firmware
How is data input to this memory?	Writing MCU firmware via UART port at download mode.
How is this memory write protected?	Software write protected.

Please direct any questions to your Dell Marketing contact.

Sincerely,

Dell Marketing