



# Statement of Volatility – Dell Venue 11 Pro-5130

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

The Dell Venue 11 Pro 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 Dell Venue 11 Pro system board.

**Table 1. List of Non-Volatile Components on System Board**

Description	Reference Designator	Volatility Description	User Accessible for external data	Remedial Action (Action necessary to prevent loss of data)
Embedded Flash in embedded controller MEC1641	U3001	288 KB user space of embedded Flash memory with direct JTAG & LPC-protected 2 pages at or Near Top of memory for password.	No	N/A
Panel EEDID EEPROM	Part of panel assembly	Non Volatile memory 64Kbytes.	No	Part of panel assembly
System BIOS	U2802	Non Volatile memory, 128 Mbit (16 MB) Serial flash (SpiFlash ROM) which contains System BIOS, Video BIOS, and TXE which supports Secure Boot, accelerating commonly used encryption algorithm in HW and enables Security Apps for basic boot operation.	No	N/A
Video BIOS	U2802	As stated above, embedded in the 128-Mbit serial flash (SpiFlash ROM)	No	N/A
System Memory – LPDDR3 memory	U1601,U1701	Volatile memory 2GB 1.2V LPDDR3 memory, two FBGA dies, each die contains 8 Gb capacity (x32, 2 channels)	Yes	Power off system
System Memory – DDR3L memory	U1401,U1402, U1601,U1602	2GB 1.35V DDR3L-RS memory, four FBGA dies, each die contains 4Gb capacity (512MB, 32Mb x 16 x 8 banks)		
Embedded Flash in embedded	U3101	Embedded Flash – NV-RAM 8KB user flash.	No	N/A

Description	Reference Designator	Volatility Description	User Accessible for external data	Remedial Action (Action necessary to prevent loss of data)
controller MSP430		Single-byte, single-word writes to the flash.		
RTC CMOS – BBRAM (battery backed SRAM)	U0301	Volatile memory, 256 Bytes of battery-backed SRAM. Stores CMOS system data and keeps date & time.	No	N/A
Video memory – frame buffer	U0301 Embedded Gen7 4EU 3D/2D Intel GfX + Media (decode/encode)		No	N/A
Embedded Flash in sensor controller STM32F103CBU6	U5804	Embedded Flash – NV-RAM 64KB user flash for programing.	No	N/A
eMMC Nand flash	U4301	Non Volatile MLC Nand flash	Yes	
Embedded Flash in TPM controller AT97SC3204	U6201	Embedded Flash – NV-RAM 1280 Bytes user space for programing.	No	N/A

**⚠ CAUTION: All other components on the system board lose data if power is removed from the system. Primary power loss (unplugging the power cord and removing the battery) destroys all user data on the memory (DDR3, 1067 MHz). Secondary power loss (removing the on-board coin-cell battery) destroys system data on the system configuration and time-of-day information.**

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