



Statement of Volatility – Dell Latitude 9510

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

The Dell Latitude 9510 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 Latitude 9510 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 MEC5107	UE1	288 KB of embedded Flash memory	No	N/A
Panel EEDID EEPROM	Part of panel assembly	Non-Volatile memory, FHD 256 bytes, UHD 256 bytes.	No	Part of panel assembly
System BIOS	UC3	Non-Volatile memory, 32MB *1 for non-vPro, System BIOS and Video BIOS for basic boot operation, PSA (on board diags), PXE diags.	No	N/A
GOP BIOS	Embedded in system BIOS UC3	Non-Volatile memory, 256 kbit (32 KB), Graphics system BIOS.	No	N/A
System Memory – LPDDR4/x on board memory	Two Channel on board memory: UD41 , UD42 UD43, UD44	Volatile memory in OFF state System memory size will depend on LPDDR4/x ,16Gb/32Gb/64Gb (x32) per package	No	N/A
RTC CMOS – BBRAM (battery backed up)	UC1	Non-Volatile memory, 256 Bytes. Stores CMOS information.	No	N/A
Video memory – frame buffer	Using system memory	Leverage system memory (UD41, UD42, UD43, UD44)	No	N/A
Intel ME Firmware	Embedded in system BIOS UC3	Non-Volatile memory, 128 Mbit (16MB) for non-vPro, Intel ME firmware for system configuration, security and protection	No	N/A
Hard drive(s)	User replaceable - one	2230 M.2 type SSD(PCIe interface)	Yes	Low level format

Description	Reference Designator	Volatility Description	User Accessible for external data	Remedial Action (Action necessary to prevent loss of data)
TR EEPROM	Titan Ridge F/W UT2	Non-Volatile memory. 64 Mbit (8MB) for controller Titan Ridge_BGA337 F/W flash.	No	N/A
Card Reader	uSD 4.0 Card reader controller F/W UR1	PCIE interface of embedded Flash memory	No	N/A
Touch screen Embedded Flash	Part of panel assembly	I2C interface of embedded Flash memory	No	Part of panel assembly
Accelerometer + Gyro LSM6DS3 USTR	UG1	I2C interface of embedded Flash memory	No	N/A
Accelerometer (secondary) LNG2DM TR	US2	I2C interface of embedded Flash memory	No	N/A
Compass LIS2MDL TR	UCOM1	I2C interface of embedded Flash memory	No	N/A
ALS TCS3430	Part of camera assembly	I2C interface of embedded Flash memory	No	Part of camera assembly
TPM 2.0 ST33HTP H2X32AH C4	U712	SPI interface of embedded Flash memory	No	Low level format

⚠ 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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