



Statement of Volatility – Dell Latitude Rugged Extreme 7214

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

The Dell Latitude Rugged Extreme 7214 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 Latitude Rugged Extreme 7214 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 MEC5085 | U38 | 256 KB of embedded Flash memory for embedded controller BIOS code, asset tag and BIOS passwords | No | N/A |
| Panel EEDID EEPROM | Part of panel assembly | Non Volatile memory, 512 bytes. | No | Part of panel assembly |
| System BIOS | U1 | Non Volatile memory, 128 Mbit (16 MB), System BIOS and Video BIOS for basic boot operation, PSA (on board diags), PXE diags, LOM | No | N/A |
| System Memory – DDR4 memory | Two SODIMM connectors: JDIM1,2 | Volatile memory in OFF state NOTE: See state definitions later in text. One to two modules must be populated. System memory size will depend on SODIMM modules and must be between 4 GB and 32 GB. | Yes | Power off system |
| System memory SPD EEPROM | On System memory SODIMM(s) – 1-2 present | Non Volatile memory 512 Bytes. Stores memory manufacturer data and timing information for correct operation of system memory. | No | N/A |
| RTC CMOS – BBRAM (battery backed up) | UC1 | Non Volatile memory, 128 Bytes. Stores Real Time Clock & CMOS information. | No | N/A |

| Description | Reference Designator | Volatility Description | User Accessible for external data | Remedial Action (Action necessary to prevent loss of data) |
|---|--------------------------------|--|-----------------------------------|--|
| DisplayPort Video Flash Memory | U7 | Non Volatile memory, 1 Mbit (128 KB) DisplayPort component video settings | No | N/A |
| Hard drive(s) | User replaceable - one or two. | Non Volatile magnetic media, various sizes in GB. May also be SSD (solid state flash drive). | Yes | Low level format |
| CD-ROM/RW/ DVD/ DVD+RW/ Diskette Drives | User replaceable | Non Volatile optical media. | Yes | Low level format/erase |
| | | | | |

- △ **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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