Statement of Volatility –Vostro 5320

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

The Vostro 5320 contains both volatile and non-volatile components. Volatile components lose their data immediately after power is removed from the component. Non-volatile components continue to retain their data even after power is removed from the component. The following non-volatile components are present on the Vostro 5320 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)
SSD drive(s)	M.2 - 2280	Non-volatile magnetic media, various sizes in GB. SSD (solid state flash drive).	No	Low-level format
System BIOS/EC	SPI25 (32 MB)-Non Vpro	Non-volatile memory, System BIOS for basic boot operation, PSA (on board diags), PXE diags.	No	N/A
Thunderbolt EEPROM	U7103	Non-volatile memory, 8 Mbit (1 MB) (Thunderbolt FW)	No	N/A
USB-Type C PD	U7201	Non-volatile memory, 8 Mbit (1 MB) for USB type-C PD F/W	No	N/A
LCD Panel EEDID EEPROM	Part of panel assembly	Non-volatile memory, Stores panel manufacturing information, display configuration data	No	N/A
System Memory	4 pcs LPDDR5 memory on board – RAM1, RAM2, RAM3, RAM4	Volatile memory in OFF state (see state definitions later in text)	Yes	Power off system.
RTC CMOS	PCH1	Non-volatile memory 256 bytes. Stores CMOS information	No	N/A
Video memory – frame buffer	N/A	N/A	No	N/A
Intel ME Firmware	Combine on BIOS ROM	Non-volatile memory, Intel ME firmware for system configuration, security and protection	No	N/A
GPU Memory	N/A	N/A	No	N/A
TPM Controller	U9101	Non-volatile memory, 192 K bits (24 K bytes) ROM	No	N/A
ISH	Combine on BIOS ROM		No	N/A
Touch screen Embedded Flash	N/A	N/A, Non-touch project	No	N/A
Digital IMVP9 controller	PU4601	Non-volatile memory, 4096 bit (512 B), Digital IMVP8 controller	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 (DDR4, 2667 MHz). Secondary power loss (removing the on-board coin-cell battery) destroys system data on the system configuration and time-of-day information.