Statement of Volatility – Vostro 5502

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

The Vostro 5502 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 5502 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)	SSD1, SSD2	Non-Volatile magnetic media, various sizes in GB. SSD (solid state flash drive).	Yes	Low level format
System BIOS/EC	U2501 (8 MB) U2503 (16 MB)	Non-Volatile memory, Video BIOS for basic boot operation, PSA (on board diags), PXE diags.	No	NA
Thunderbolt EEPROM	U7103	Non-Volatile memory, 8 Mbit (1 MB) (Thunderbolt FW)	No	NA
USB-Type C PD	U7202	Non-Volatile memory, 8 Mbit (1 MB) for USB type-C PD F/W	No	NA
LCD Panel EEDID EEPROM	Part of panel assembly	Non-Volatile memory, Stores panel manufacturing information, display configuration data	No	NA
System Memory – DDR4 memory	Two DIMM on board DDR4 memory: DM1/DM2	Volatile memory in OFF state (see state definitions later in text)	Yes	Power off system
RTC CMOS	RTC1	Non-Volatile memory 256 bytes Stores CMOS information	No	NA
Video memory – frame buffer	VRAM1, VRAM2	Volatile memory in off state. UMA uses main system memory size allocated out of main memory.	No	Power off system
Intel ME Firmware	Combine on BIOS ROM	Non-Volatile memory, Intel ME firmware for system configuration, security and protection	No	N/A
Security Controller Serial Flash Memory	NA	Non-Volatile memory, 128 Mbit (16 Mbyte)	No	N/A
TPM Controller	U9101	Non-Volatile memory, 192K bits (24K bytes) ROM	No	N/A
ISH	Combine on BIOS ROM		No	N/A
Touch screen	N/A	Non-Volatile memory	No	N/A

Description	Reference Designator	Volatility Description	User Accessible for external data	Remedial Action (Action necessary to prevent loss of data)
Embedded Flash				
Digital IMVP9 controller	PU4601	Non-Volatile memory, 4096 bit (512 B) Digital IMVP9 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.**