Statement of Volatility – OptiPlex Micro 7010

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

The OptiPlex Micro 7010 contains both volatile and non-volatile components. Volatile components erase 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 OptiPlex Micro 7010 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 erase data)
System BIOS/EC	U2504 (32 MB) RPMC + U2501 (16 MB)-Non RPMC	Non-Volatile memory, 256Mbits(32MB), System BIOS and Video BIOS for basic boot operation, ePSA (on board diags), PXE diags.	No	NA
Embedded Flash memory in embedded controller MICROCHIP DEC1515H-D0-I/Z2	EC1	The two SRAM blocks in the DEC1515 total 256KB. The DEC1515 contains a 64KB block of ROM. EC use 1MB with SPI ROM by G3 sharing mode.	No	NA
System Memory – DDR4 memory	Two DIMM on board DDR4 memory: DIMM1/DIMM2	Volatile memory in OFF state (see state definitions later in text) One to two modules will be populated. System memory size will depend on DIMM modules and will be between 4GB to 64GB.	Yes	Power off system
System memory SPD EEPROM	On memory DIMM(s)	Non-volatile EEPROM memory. 512 bytes. One Device present on each DIMM. Stores memory manufacturer data and timing information for correct operation of system memory.	No	N/A
RTC CMOS	BATTERY BT1	Volatile battery back-backed CMOS memory 256 bytes. Stores CMOS information.	No	Removing the on-board Coin Cell battery.
Video memory – frame buffer	For UMA platform: Using system memory	Volatile memory in off state. UMA uses main system memory size allocated out of main memory.	No	Enter S3-S5 state below.
Intel ME Firmware	Combine on BIOS ROM	Non-Volatile memory, Intel ME firmware for system configuration, security, and protection	No	N/A
TPM Controller NPCT760JABYX	U9101	Non-Volatile memory, 192K bits (24K bytes) ROM	No	N/A
Hard drive	2.5” HDD HDD1	Non-volatile magnetic media, various sizes in GB.	Yes	Low level format
SSD drive(s)	M.2 – 2280/30 NGFF2	Non-Volatile magnetic media, various sizes in GB. SSD (solid state flash drive).	Yes	Low level format

CAUTION: All other components on the system board erase 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, 3200 MHz). Secondary power loss (removing the on-board coin-cell battery) destroys system data on the system configuration and time-of-day information.