Statement of Volatility –Precision 7875 Tower

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

The Precision 7875 Tower 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 Precision 7875 Tower 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)
SSD drive(s)	M.2_PCIe_SSD-0/ M.2_PCIe_SSD-1 HSBP (U2)	Non-volatile magnetic media, various sizes in GB. SSD (solid state flash drive).	No	Low level format
System BIOS/EC	SPI_1 (32 MB) SPI_2 (4 MB)	Non-volatile memory, Video BIOS for basic boot operation, PSA (on board diags), PXE diags.	No	NA
System Memory – DDR5 memory	8 DIMM on board DDR5 memory: DIMM1/DIMM2/DIMM3/DIMM4/ DIMM5/DIMM6/DIMM7/DIMM8	Volatile memory in OFF state (see state definitions later in text)	Yes	Power off system
RTC CMOS	CPU_SKT1S (CPU)	Non-volatile memory 256 bytes Stores CMOS information	No	NA
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	Power off system
AMD PSP Firmware	Combine on BIOS ROM	Non-volatile memory, Intel ME firmware for system configuration, security, and protection	No	N/A
TPM Controller	UF1	Non-volatile memory, 192K bits (24K bytes) ROM	No	N/A
Audio CODEC	UA1	Non-volatile memory	No	N/A
1G LAN	UL4	Non-volatile memory	No	N/A
10G LAN	U10L2	Non-volatile memory	No	N/A
HSBP PCIE Re-timer	U9723	Non-volatile memory	No	N/A
HSBP CPLD	U1	Non-volatile memory	No	N/A
Digital SVI3 controller	PU100, PU400	Non-volatile memory, OTP, Digital SVI2 controller	No	N/A

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, 2667 MHz). Secondary power loss (removing the on-board coin-cell battery) destroys system data on the system configuration and time-of-day information.