Statement of Volatility – Precision 7865 Tower

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

The Precision 7865 Tower 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 Precision 7865 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,	No	NA
System Memory – DDR4 memory	8 DIMM on board DDR4 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	CPU0_SKTQ (CPU)	Non-Volatile memory 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, AMD PSP firmware for system configuration, security and protection	No	N/A
TPM Controller	UF1	Non-Volatile memory	No	N/A
USB Audio CODEC	UA1/UA2	Non-Volatile memory	No	N/A
1G LAN	UL4	Non-Volatile memory	No	N/A
10G LAN	U9706	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 SVI2 controller	PU100,PU400	Non-Volatile memory, OTP, Digital SVI2 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, 3200 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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