Statement of Volatility – Dell Precision 3660 Tower

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

The Dell Precision 3660 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 3660 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 prevent loss of data)
SSD drive(s)	NGFF1, NGFF2, NGFF3	Non-Volatile magnetic media, various sizes in GB. SSD (solid state flash drive).	No	Low level format
System BIOS/EC	U2502 (32 MB), U2504 (16 MB)	Non-Volatile memory, System/Video BIOS for basic boot operation, LOM for LAN operation, PSA (on board diags), PXE diags and EC function.	No	NA
Video BIOS	On GFx cards (SLOT2, SLOT4)	Non-Volatile memory, 64 MB, Graphics system BIOS.	No	NA
USB-Type C PD	U7201, U7501	Non-Volatile memory, 1024 kbit (128 KB) for USB type-C PD F/W.	No	NA
System Memory SPD EEPROM	On System memory DIMMs.	Non-Volatile memory 1024 Bytes. Stores memory manufacturer data and timing information for correct operation of system memory.	No	NA
System Memory – DDR5 memory	Four DIMM on board DDR5 memory: DIMM1, DIMM2, DIMM3. DIMM4	Volatile memory in OFF state.	Yes	Power off system
RTC CMOS - BBRAM (Battery-Backed)	PCH1 (PCH)	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
Intel ME Firmware	Combine on BIOS ROM	Non-Volatile memory, Intel ME firmware for system configuration, security and protection	No	N/A
Hard drive(s)	User replaceable – one Hard drives or four SSD.	Non-Volatile magnetic media, various sizes in GB. May also be SSD (solid state flash drive).	Yes	Low level format
TPM Controller	U9101	Non-Volatile memory, 192K bits (24K bytes) ROM	No	N/A
CD-ROM/RW/ DVD/DVD+R	User replaceable	Non-Volatile optical media.	Yes	Low level format/Erase

Description	Reference Designator	Volatility Description	User Accessible for external data	Remedial Action (Action necessary to prevent loss of data)
W/Diskette Drives				

△ **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.**