

# Dell Precision 3640 Tower

## Statement of Volatility



## Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

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

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

# Statement of Volatility - Dell Precision 3640 Tower

The Dell Precision 3640 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 3640 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)	J43, J45	Non-Volatile magnetic media, various sizes in GB. SSD (solid state flash drive).	No	Low level format
System BIOS/EC	U19 (32 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 (J14, J15)	Non Volatile memory, 512 kbit (64 KB), Graphics system BIOS.	No	NA
USB-Type C PD	U71	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 512 Bytes. Stores memory manufacturer data and timing information for correct operation of system memory.	No	NA
System Memory - DDR4 memory	Four DIMM on board DDR4 memory: DIMM1,2,3,4	Volatile memory in OFF state.	Yes	Power off system
RTC CMOS -BBRAM (Battery-Backed)	U4 (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

**Table 1. List of Non-Volatile Components on System Board(continued)**

Description	Reference Designator	Volatility Description	User Accessible for external data	Remedial Action (Action necessary to prevent loss of data)
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	U40	Non-Volatile memory, 192K bits (24K bytes) ROM	No	N/A
CD-ROM/RW/ DVD/DVD+RW/Diskette Drives	User replaceable	Non Volatile optical media.	Yes	Low level format/Erase