Statement of Volatility – Dell Pro Tower QCT1255

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

The Dell Pro Tower QCT1255 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 Dell Pro Tower QCT1255 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 – 2280/30 SSD2	Non-Volatile magnetic media, various sizes in GB. SSD (solid state flash drive).	Yes	Low level format
System BIOS/EC	U2501 (64 MB) - Non RPMC + U2504 (2 MB)-Non RPMC	Non-Volatile memory, 512 Mb (64 MB), System BIOS and Video BIOS for basic boot operation, ePSA (on-board diagnostics), PXE diagnostics.	No	Not applicable
System Memory – DDR5 memory	Two UDIMM on board DDR5 memory: DM1/DM2	Volatile memory in OFF state. One or two modules will be populated. System memory size will depend on DIMM modules and will be between 8 GB to 64 GB.	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	Not applicable
RTC CMOS	BATTERY BT1	Non-Volatile 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
TPM Controller NPCT760JABYX	U9101	Non-Volatile memory, 192 Kb (24 KB) ROM	No	Not applicable
Embedded Flash memory in embedded controller MICROCHIP DEC1547H-D0-I-NB-1-GP	U2403	The two SRAM blocks in the DEC1547 total 256 KB. The DEC1547 contains a 64 KB block of ROM. EC uses a standalone 2 MB SPI ROM.	No	Not applicable

CAUTION: All other components on the system board erase data if power is removed from the system. Primary power loss (unplugging the power cord) destroys all user data on the memory. Secondary power loss (removing the coin-cell battery) destroys system data on the system configuration and time-of-day information.

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