

Statement of Volatility – Dell Pro Max Micro FCM2250

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

The Dell Pro Max Micro FCM2250 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 Max Micro FCM2250 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 – 2280/2230 SSD1 SSD2	Non-Volatile magnetic media, various sizes in GB. SSD (solid-state flash drive).	Yes	Low-level format
System BIOS/EC	U2504 (32 MB) RPMC + U2501 (32 MB)- Non-RPMC	Non-Volatile memory, 256 Mbits (32 MB), System BIOS, and Video BIOS for basic boot operation, ePSA (onboard diagnostics), PXE diagnostics.	No	N/A
System Memory – DDR5 memory	Two SO-DIMM onboard DDR5 memory: DM1/DM2	Volatile memory in OFF state (see state definitions later in the text) One or two modules are populated. System memory size depends on DIMM modules and is between 8 GB to 64 GB.	Yes	Power off computer
System memory SPD EEPROM	On memory DIMMs	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	N/A
RTC CMOS	BATTERY BT1	Non-Volatile memory 256 bytes Stores CMOS information	No	Removing the onboard 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.
Intel ME Firmware	Combine on BIOS ROM	Non-Volatile memory, Intel ME firmware for computer configuration, security, and protection	No	N/A
TPM Controller NPCT760JABYX	U9101	Non-volatile memory, 192K bits (24K bytes) ROM	No	N/A
Embedded Flash memory in embedded controller NUVOTON NPCX483DA0DX	U2406	The two SRAM blocks in the NPCX483DA0DX total 512 KB. The NPCX483DA0DX contains a 192KB block of ROM. EC use 1 MB with SPI ROM by G3 sharing mode.	No	N/A

⚠ CAUTION: All other components on the system board erase data if power is removed from the computer. Primary power loss (unplugging the power cable and removing the battery) destroys all user data on the memory (DDR5, 6400 MHz). Secondary power loss (removing the onboard coin-cell battery) destroys computer data on the computer configuration and time-of-day information.