Statement of Volatility – Precision 5470

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

The Precision 5470 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 5470 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)	M.2 - 2280	Non-Volatile magnetic media, various sizes in GB. SSD (solid state flash drive).	No	Low level format
System BIOS/EC	UC2 (64 MB)	Non-Volatile memory, Video BIOS for basic boot operation, PSA (on board diags), PXE diags.	No	NA
Thunderbolt EEPROM	UTS1 for left side ports UTS2 for right side ports	Non-Volatile memory, 8 Mbit (1 MB) (Thunderbolt FW)	No	NA
USB-Type C PD	UT11 for left side ports UT18 for right side ports	Non-Volatile memory, 8 Mbit (1 MB) for USB type-C PD F/W	No	NA
LCD Panel EEDID EEPROM	Part of panel assembly	Non-Volatile memory, Stores panel manufacturing information, display configuration data	No	NA
System Memory – LPDDR5 memory	Two channels LPDDR5 on board UD1, UD2, UD3, UD4	Volatile memory in OFF state (see state definitions later in text)	No	NA
RTC CMOS	UC1 (PCH)	Non-Volatile memory 256 bytes 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	NA
Intel ME Firmware	Combine on BIOS ROM	Non-Volatile memory, Intel ME firmware for system configuration, security and protection	No	N/A
Security Controller Serial Flash Memory	U1 (up-sell USH daughter board)	Non-Volatile memory, 128 Mbit (16 Mbyte)	No	N/A
TPM Controller	U712	Non-Volatile memory, 328K bits (41K bytes) ROM	No	N/A
ISH	Combine on BIOS ROM		No	N/A
Touch screen Embedded Flash	N/A	Non-Volatile memory	No	N/A
Digital IMVP9 controller	PUZ1	Non-Volatile memory, 4096 bit (512 B) Digital IMVP9 controller	No	N/A