



December 18, 2020

Statement of Volatility

Intel Corporation
NVM Solutions Group
1900 Prairie City Rd
Folsom, CA 95630

Subject: Statement of Volatility for Intel® Solid State Drives (Intel® SSDs) for the Data Center

Dear Customer,

The purpose of this “Dear Customer Letter” (DCL) is to provide a “Statement of Volatility” for the following Intel® Solid State Drives for the data center:

- Intel® Solid State Drive DC P3500
- Intel® Solid State Drive DC P3520
- Intel® Solid State Drive DC P3600
- Intel® Solid State Drive DC P3700
- Intel® Solid State Drive DC P4101
- Intel® Solid State Drive DC P4500
- Intel® Solid State Drive DC P4501
- Intel® Solid State Drive DC P4510
- Intel® Solid State Drive DC P4511
- Intel® Solid State Drive DC P4600
- Intel® Solid State Drive DC P4608
- Intel® Solid State Drive DC P4610
- Intel® Solid State Drive DC P4618
- Intel® Solid State Drive DC S3520
- Intel® Solid State Drive DC S4500
- Intel® Solid State Drive DC S4600
- Intel® Solid State Drive D3-S4510
- Intel® Solid State Drive D3-S4610
- Intel® Solid State Drive D5-P4320
- Intel® Solid State Drive D5-P4326
- Intel® Solid State Drive D5-P4420
- Intel® Solid State Drive D7-P5500
- Intel® Solid State Drive D7-P5510
- Intel® Solid State Drive D7-P5600
- Intel® Solid State Drive D7-P5608
- Intel® Solid State Drive D7-D4512
- Intel® Solid State Drive D7-D4512
- Intel® Optane™ SSD DC P4800X
- Intel® Optane™ SSD DC P4801X
- Intel® Optane™ SSD DC P5800X
- Intel® Optane™ SSD DC D4800X

Intel® SSDs for the data center utilize several memory modules including SPI Flash (NOR), NAND Flash, Intel® Optane™ storage media, SRAM, and DRAM. The NOR flash, NAND flash, and Intel® Optane™ media are non-volatile. Non-volatile means that drive configuration data, as well as any end-user content stored on the drive is retained, even when the drive is powered off.

DRAM and SRAM are volatile memory, meaning their data is not retained when the system is powered off.

Sanitization Process

Intel's NVMe NAND data center (DC) SSDs are compliant with the NVMe Format NVM command (both user data erase and cryptographic erase) per NVMe specifications. (Refer to Production Specification for specific NVMe version compliance details).

Intel® Optane™ DC SSDs are compliant with the NVMe Format NVM command (both user data erase and cryptographic erase) per NVMe 1.0c specifications.

Intel's SATA DC SSDs are compliant with Block & Crypto Erase commands as defined in ACS-3 specification.

If you have questions or need assistance, please contact your Intel field representative.

Best regards,

Intel Corporation
NVM Solutions Group