o   Intel® SSD Firmware Update Tool

Release Notes

March 2024

Revision 038US

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Revision History

Date	Software	Description
March 2024	4.1.248	Changes for this document release as follows: • Firmware Update to G004-0553 for Intel® Optane™ Memory H20 • Firmware Update to E2010650 for Intel® Optane™ SSD P4800X and P4801X Series • Firmware Update to E2010650 for Intel® Optane™ SSD 905P and 900P Series
December 2022	4.1.17	Changes for this document release as follows: • Firmware Update to L0310600 for Intel® Optane™ SSD P5800X Series
September 2022	4.0.x	Changes for this document release as follows: • Removed Intel® NAND Flash Memory only firmware updates • Firmware Update to E2010603 for Intel® Optane™ SSD P4800X and P4801X Series • Firmware Update to E2010603 for Intel® Optane™ SSD 905P and 900P Series • Firmware Update to G003-0552 for Intel® Optane™ Memory H20 • Firmware Update to G003-0440 for Intel® Optane™ Memory H10
December 2021	3.0.12	Changes for this document release as follows: • Firmware Update to 2CV10201 for Intel® Optane™ SSD D7-P5500 and P5600 • Firmware Update to JCV10200 for Intel® Optane™ SSD D7-P5510 • Firmware Update to ACV10200 for Intel® Optane™ SSD D5-P5316 • Firmware Update to VDV10184 for Intel® Optane™ SSD P4510, P4610, and P4618 • Firmware Update to L0310200 for Intel® Optane™ SSD P5800X • Firmware Update to E2010600 for Intel® Optane™ SSD P4800X and P4801X
April 2021	3.0.11	Changes for this document release as follows: • "Fixed firmware error message stating users must use the Intel® SSD Firmware Update Tool for Firmware update on some Intel® SSD 540 drives on older firmware • Fixed issue of Intel® Optane™ SSD 905P Series drive FW update failures from E2010325 • FW update for Intel® Optane™ Memory H10 with Solid State Storage to FW G002-0440 • FW update for Intel® Optane™ SSD D5-P4320 and P4420 to 3DV10131 • FW update for Intel® Optane™ SSD D5-P4326 to 8DV10561
November 2020	3.0.10	Changes for this document release only: • Updated wording for Common Vulnerabilities and Exposures (CVE) document (see Intel Advisory INTEL-SA-00362)
July 2020	3.0.10	This revision adds a firmware update for the Intel® Optane™ Memory, Intel® Optane™ SSD 905P and 900P, Intel® Optane™ SSD P4800X, Intel® Optane™ SSD P4101, Intel® Optane™ SSD D3-S4510, Intel® Optane™ SSD D3-S4610, Intel® Optane™ SSD S3100, Intel® SSD E 6100p, Intel® SSD E 6000p, Intel® SSD E 5400s, Intel® SSD E 5100s, Intel® SSD Pro 7600p, Intel® SSD Pro 6000p, Intel® SSD Pro 5450s, Intel® SSD Pro 5400s, Intel® SSD 760p, Intel® SSD 660p, and Intel® SSD 540s. Corrected current FW version for Intel® Optane™ SSD P3520, Intel® Optane™ SSD S4500, and Intel® Optane™ SSD S4600

Date	Software	Description

May 2020	3.0.9	This revision adds the following firmware updates:
		• Intel® Optane™ SSD P4800X/P4801X:
		  – Windows*/Linux* - E2010485
		  – ESXi* - E2010475
		Note: Intel® Optane™ SSD P4800X 375 GB AIC SKU with firmware E2010211 will not support upgrade firmware to E2010475 or E2010485, this is targeted for a future release.
		• Intel® Optane™ SSD P4511: VCV10370
		• Intel® SSD D3-S4510 and SSD D3-S4610: XCV10120 (Hop-on Firmware XCV1011D is integrated in the tool)
		• Intel® SSD D3-S4510 M.2: XC311120 (Hop-on Firmware XC31111D is integrated in the tool)
		• Intel® Optane™ SSD 800P: 440
		• Minor Bug fixes and enhancements

December 2019	3.0.8	This revision adds the following firmware updates:
		• Intel® SSD D3-S4610: XCV10120
		• Intel® SSD D3-S4510:
		  – 2.5": XCV10120
		  – M.2: XC311120
		• Intel® Optane™ SSD P4800X/P4801X: E2010435
		• Intel® Optane™ SSD P4610, Intel® SSD DC P4510: VDV10170
		• Intel® Optane™ SSD P4101: 7D
		• Intel® Optane™ SSD 900P: E2010435
		• Bug Fix: Added Intel X-25M FW 2CV102M3 back in tool
		• Minor Bug fixes and enhancements

April 2019	3.0.7	This revision adds a firmware update for Intel® Optane™ SSD 905P
February 2019	3.0.6	This revision adds a firmware update for the Intel® SSD 545s drives. In addition, supports secure erase for Intel NVMe* SSDs.
November 2018	3.0.5	This revision adds a firmware update for the Intel® SSD E 6100p drives.
October 2018	3.0.4	This revision adds a firmware update for the Intel® SSD 545s, Pro 5450s and E 5100s drives.
September 2018	3.0.3	This revision adds a firmware update for the Intel® SSD 760p and Pro 7600p drives.
August 2018	3.0.2	This revision adds a firmware update for the Intel® SSD 660p drives.
March 2018	3.0.1	This revision adds a firmware update for the Intel® SSD 540s, Pro 5400s, E 5400s and Intel® Optane™ SSD S3100 drives.
February 2018	3.0.0	This revision adds a firmware update for the Intel® SSD S4500 and S4600, Intel® Optane™ SSD P4500 and P4600, Intel® Optane™ SSD P4510 and P4610, Intel® Optane™ SSD P4800X devices along with following tool changes: Convert interface from GUI to Command-Line Interface (CLI) only. See the latest user guide.
September 2017	2.2.3	This revision adds a firmware update for the Intel® SSD 545s and Intel® Optane™ SSD S3520.
July 2017	2.2.2	This revision adds a firmware update for the Intel® SSD 540s and Intel® SSD Pro 5400s.

Date	Software	Description
May 2017	2.2.1	This revision adds a firmware update for the Intel® Optane™ Memory, the Intel® SSD 600p, Pro 6000p, E 6000p, 540s, Pro 5400s and E 5400s, and Intel® Optane™ SSD P3100 and S3100. Known Limitation: Intel® SSD Firmware Update Tool will not work on Intel® Optane™ Memory when configured as a system accelerator.
April 2017	2.2.0	This revision includes updates to the tool's bootable Linux* environment addressing various loading issues seen on earlier versions. This revision adds firmware updates for the Intel® SSD 750, Intel® SSD Pro 5400s (80 / 120 GB), Intel® Optane™ SSD P3520 and Intel® Optane™ SSD S3520 products.
December 2016	2.1.7	This revision adds a firmware update for the Intel® SSD 600p, Intel® SSD Pro 6000p, Intel® SSD E 6000p, Intel® Optane™ SSD P3100, Intel® Optane™ SSD S3610 and the Intel® Optane™ SSD S3710 products.
October 2016	2.1.6	This revision adds a firmware update for the Intel® SSD 750 products.
July 2016	2.1.5	This revision adds a firmware update for the Intel® SSD 540s, E 5400s, Pro 5400s and the Intel® Optane™ SSD S3100 products.
June 2016	2.1.3	This revision adds a firmware update for the Intel® SSD 540s, E 5400s and the Intel® Optane™ SSD S3100 products.
March 2016	2.1.2	This revision adds a firmware update for the Intel® Optane™ SSD S3700, S3500, S3710, S3610, and S3510 products.
November 2015	2.1.1	This revision adds a firmware update for the Intel® SSD 750 products.
October 2015	2.1.0	This revision adds a firmware update for the Intel® SSD 750, 535, and Pro 2500 and the Intel® Optane™ SSD S3710, S3610, S3510, S3500 M.2, and S3500 HD drives along with the following tool changes: • Prevents firmware update on unhealthy drives • Added notification if drive in bootloader state • Added detection of PCI Express* (PCIe*) NVMe* products
December 2014	2.0.14	This revision clarified 512B/4 KB support for the Intel® Optane™ SSD S3700 and S3500 products. No firmware changes were made from the previous release.
July 2014	2.0.13	This revision fixes issues associated with working on several Apple* systems. No firmware changes were made from the previous release.
February 2014	2.0.10	This revision adds firmware updates for both Intel® Optane™ SSD S3700 and S3500 products.
December 2013	2.0.9	This revision adds a firmware update for all the Intel® Optane™ SSD 530 drives.
August 2013	2.0.6	This revision adds a firmware update for the Intel® SSD 530. No other firmware changes were made from the previous release.
July 2013	2.0.4	This revision adds a firmware update for the Intel® Optane™ SSD S3500. No other firmware changes were made from the previous release.
June 2013	2.0.3	This revision changes the Firmware Update Tool from a command line to a graphic user interface and adds the ability to update multiple Intel® SSDs with a single button.
November 2012	1.9.3	This revision adds a firmware update for the Intel® SSD 335 No other firmware changes were made from the previous release.
September 2011	1.9.2	This revision of the Firmware Update Tool: • Fixes issues associated with correctly detecting Intel® SSDs in Apple* systems • Updates Intel 320 firmware specific to Lenovo* systems to the most current version. • No other firmware changes were made from the previous release.

1 List of Intel® Optane™ SSD

The following table lists the latest firmware revision for your unit:

Intel® Optane™ SSD	Latest Firmware Version
Intel® Optane™ SSD P5800X	L0310600
Intel® Optane™ SSD P4800X and P4801X	E2010603
Intel® Optane™ SSD 905P	E2010603
Intel® Optane™ SSD 900P	E2010603

2 List of Intel® Optane™ Memory Devices

The following table lists the latest firmware revision for your unit:

Memory	Latest Firmware Version
Intel® Optane™ Memory H20	G003-0552
Intel® Optane™ Memory H10	G003-0440
Intel® Optane™ Memory M10	K4110440
Intel® Optane™ Memory	K3110310