Solidigm™ SSD Firmware Advisory

Public Security Advisory

SOLIDIGM™

Revision History

Revision	Description	Date
1.0	Initial Release	May 2022
1.1	Added CVE ID: • CVE-2021-33069 • CVE-2021-33074 • CVE-2021-33075 • CVE-2021-33076 • CVE-2021-33077 • CVE-2021-33078 • CVE-2021-33079 • CVE-2021-33080 • CVE-2021-33081 • CVE-2021-33082 • CVE-2021-33083	June 2022
1.2	Restructured document & added CVE ID: • CVE-2021-47967 • CVE-2021-47968 • CVE-2021-47969 • CVE-2021-47971 • CVE-2021-47972 • CVE-2021-47973 • CVE-2021-47974 • CVE-2021-47975 • CVE-2021-47976	March 2025

Summary

Potential security vulnerabilities in some Solidigm™ (formerly Intel®) SSD products may allow escalation of privilege, denial of service or information disclosure. Solidigm is releasing firmware updates and prescriptive guidance to mitigate these potential vulnerabilities.

Acknowledgments

Solidigm follows a disclosure practice called Coordinated Disclosure, under which a cybersecurity vulnerability is generally publicly disclosed only after mitigations are available.

Effective December 29th, 2021, all listed Solidigm™ SSDs (formerly Intel®) affected products are supported by Solidigm.

Any update to this communication will be available for download at Solidigm Help Center.

Vulnerabilities

CVE ID: CVE-2024-47969

CVSS Base Score: Medium 6.2

CVSS Vector: 3.1/AV:L/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

CVE ID: CVE-2024-47972

CVSS Base Score: Medium 4.0

CVSS Vector: 3.1/AV:L/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:L

CVE ID: CVE-2024-47968

CVSS Base Score: Medium 4.4

CVSS Vector: 3.1/AV:L/AC:H/PR:L/UI:R/S:U/C:N/I:N/A:H

CVE ID: CVE-2024-47971

CVSS Base Score: Medium 6.5

CVSS Vector: 3.1/AV:L/AC:L/PR:L/UI:N/S:C/C:N/I:N/A:H

CVE ID: CVE-2024-47967

CVSS Base Score: Medium 4.4

CVSS Vector: 3.1/AV:L/AC:L/PR:H/UI:N/S:U/C:N/I:N/A:H

CVE ID: CVE-2024-47976

CVSS Base Score: Medium 6.7

CVSS Vector: 3.1/AV:P/AC:H/PR:L/UI:N/S:C/C:H/I:H/A:N

CVE ID: CVE-2024-47974

CVSS Base Score: Medium 4.4

CVSS Vector: 3.1/AV:L/AC:L/PR:H/UI:N/S:U/C:N/I:N/A:H

CVE ID: CVE-2024-47975

CVSS Base Score: High 7.0

CVSS Vector: 3.1/AV:P/AC:L/PR:N/UI:R/S:C/C:H/I:H/A:N

CVE ID: CVE-2024-47973

CVSS Base Score: Medium 5.1

CVSS Vector: 3.1/AV:L/AC:H/PR:N/UI:N/S:U/C:H/I:N/A:N

Affected Products, CVE ID & Mitigation

Product	CVE ID	Mitigation Strategy
DC Family		
Solidigm™ DC P4326	CVE-2024-47969	8DV10564
Solidigm™ DC P4420	CVE-2024-47969	3DV10132
Solidigm™ DC P4510 (EDSFF)	CVE-2024-47969	VEV10294
Solidigm™ DC P4510 (EDSFF w/ Opal)	CVE-2024-47976	VEV10294
	CVE-2024-47975	VEV10294
	CVE-2024-47968	VEV10294
Solidigm™ DC P4510 (SFF)	CVE-2024-47969	VDV10194
Solidigm™ DC P4510 (SFF w/ Opal)	CVE-2024-47976	VDV10194
	CVE-2024-47975	VEV10194
	CVE-2024-47968	VDV10194
Solidigm™ DC P4511 (EDSFF)	CVE-2024-47969	VEV10294
Solidigm™ DC P4511 (EDSFF w/ Opal)	CVE-2024-47976	VEV10294
	CVE-2024-47975	VEV10294
	CVE-2024-47968	VEV10294
Solidigm™ DC P4511 (M.2)	CVE-2024-47976	VCV10394
	CVE-2024-47968	VCV10394
Solidigm™ DC P4511 (M.2 w/ Opal)	CVE-2024-47975	VEV10394
	CVE-2024-47968	VEV10394
Solidigm™ DC P4610 (SFF)	CVE-2024-47969	VDV10194
Solidigm™ DC P4610 (SFF w/ Opal)	CVE-2024-47976	VDV10194
	CVE-2024-47975	VDV10194
	CVE-2024-47968	VDV10194
Solidigm™ DC S4500	CVE-2024-47973	Solidigm currently has no plans to deliver mitigation fix as part of any future maintenance release unless customer provides explicit request. Please contact the respected account team and field engineers for further assistance.
Solidigm™ DC S4600	CVE-2024-47973	

Product	CVE ID	Mitigation Strategy
D3 Family		
Solidigm™ D3-S4510 (SFF)	CVE-2024-47973	XCV10151
Solidigm™ D3-S4510 (M.2)	CVE-2024-47973	XC311151
Solidigm™ D3-S4520	CVE-2024-47973	7CV10111
Solidigm™ D3-S4610 (SFF)	CVE-2024-47973	XCV10151
Solidigm™ D3-S4610 (M.2)	CVE-2024-47973	XC311151
Solidigm™ D3-S4620	CVE-2024-47973	7CV10111
D5 Family		
Solidigm™ D5-P5316	CVE-2024-47973	ACV10340
Solidigm™ D5-P4320	CVE-2024-47969	3DV10132
Solidigm™ D5-P4320 (Opal)	CVE-2024-47976	3DV10132
	CVE-2024-47975	3DV10132
	CVE-2024-47968	3DV10132
Solidigm™ D5-P4326 (Opal)	CVE-2024-47976	8DV10564
	CVE-2024-47975	8DV10564
	CVE-2024-47968	8DV10564
Solidigm™ D5-P5316	CVE-2024-47974	ACV10340
	CVE-2024-47973	ACV10340
	CVE-2024-47972	ACV10340
	CVE-2024-47969	ACV10340
	CVE-2024-47967	ACV10340
Solidigm™ D5-P5316 (Opal)	CVE-2024-47976	ACV10340
	CVE-2024-47975	ACV10310
Solidigm™ D5-P5316 (EDSFF)	CVE-2024-47971	ACV10340
Solidigm™ D5-P5530	CVE-2024-47974	YCV10200
	CVE-2024-47969	YCV10200
	CVE-2024-47967	YCV10200
D7 Family		

Product	CVE ID	Mitigation Strategy
Solidigm™ D7-P5510	CVE-2024-47976	JCV10404
	CVE-2024-47974	JCV10400
	CVE-2024-47972	JCV10300
	CVE-2024-47969	JCV10400
	CVE-2024-47967	JCV10400
Solidigm™ D7-P5510 (Opal)	CVE-2024-47975	JCV10300
	CVE-2024-47974	JCV10404
	CVE-2024-47969	JCV10404
	CVE-2024-47967	JCV10404
Solidigm™ D7-P5520	CVE-2024-47974	9CV10410
	CVE-2024-47973	9CV10410
	CVE-2024-47972	9CV10410
	CVE-2024-47969	9CV10450
	CVE-2024-47967	9CV10410
Solidigm™ D7-P5520 (EDSFF)	CVE-2024-47971	9CV10410
Solidigm™ D7-P5520 (Opal)	CVE-2024-47976	9CV10410
	CVE-2024-47975	9CV10410
Solidigm™ D7-P5620	CVE-2024-47974	9CV10410
	CVE-2024-47973	9CV10410
	CVE-2024-47972	9CV10410
	CVE-2024-47971	9CV10410
	CVE-2024-47969	9CV10450
	CVE-2024-47967	9CV10410
Solidigm™ D7-P5620 (Opal)	CVE-2024-47976	9CV10410
	CVE-2024-47975	9CV10410

Solidigm recommends always using the latest firmware updates, which are available for download at:

Solidigm Storage Tool.