

Dell PowerStore

Drive and OS Compatibility Matrix

To function properly, drives installed in a Dell PowerStore appliance require that the appliance is running the minimum required revision of the PowerStore Operating Software (OS). This document lists the drive part numbers that are supported for PowerStore appliances and the minimum software revisions that are required for each, if applicable.

Note: Dell PowerStore appliances use their own unique drive part numbers and ordering models. Moving or using expansion enclosures or drives from legacy storage products is not supported.

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Revision History

Document revision	Date	Comments
A00	October 2021	Original release version
A01	March 2022	Added NEBs drives, and new 3840 GB, 7680 GB SAS drives.
A02	July 2022	Added new Gen2 models and notes regarding 25x2.5" NVMe expansion enclosure.
A03	July 2023	Added new 7.68 TB & 15.36 TB NEBS NVMe drives.
A04	October 2023	Added new 3.84 TB & 7.68 TB NVMe and SAS drives and 15 TB low-cost drive that is released in August 2023.
A05	May 2024	Added new SED Non-FIPS drive tables.
A06	August 2024	Added new SED Non-FIPS 15.36 TB QLC drives.
A07	October 2024	Added new SED Non-FIPS and FIPS drive options.

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FIPS NVMe SSD for use in 25 x 2.5" base and expansion enclosures [1]

Drive Capacity	Part Number	Model	Minimum OS Version Required
1920 GB	005052919 005052920 005053702 005053703 005648697 005648689	500T 1000T/1000X/1200T 3000T/3000X/3200T 5000T/5000X/5200T 7000T/7000X 9000T/9000X/9200T	N/A
3840 GB	005052921 005052922 005053704 005053705 005053981 005648698 005648690	500T 1000T/1000X/1200T 3000T/3000X/3200T 5000T/5000X/5200T 7000T/7000X 9000T/9000X/9200T	N/A
7680 GB	005052923 005052924 005053706 005053707 005053982 005648699 005648691	500T 1000T/1000X/1200T 3000T/3000X/3200T 5000T/5000X/5200T 7000T/7000X 9000T/9000X/9200T	N/A
15,360 GB	005052925 005052926 005053708 005053709 005648566 005648700 005648692	500T 1000T/1000X/1200T 3000T/3000X/3200T 5000T/5000X/5200T 7000T/7000X 9000T/9000X/9200T	N/A

[1] PowerStore OS3.0.0.0 is required for support of 24x2.5" NVMe expansion enclosure

FIPS NVMe Storage Class Memory (SCM) for use in 25x2.5" base enclosure [2]

Drive Capacity	Part Number	Model	Minimum OS Version Required
375 GB	005053027 005053028	500T 1000T/1000X/1200T 3000T/3000X/3200T 5000T/5000X/5200T 7000T/7000X 9000T/9000X/9200T	N/A
750 GB	005053029 005053030	500T 1000T/1000X/1200T 3000T/3000X/3200T 5000T/5000X/5200T 7000T/7000X 9000T/9000X/9200T	N/A
1500 GB	005053031 005053032	500T 1000T/1000X/1200T 3000T/3000X/3200T 5000T/5000X/5200T 7000T/7000X 9000T/9000X/9200T	2.0.0.0

[2] Note that SCM devices are supported in the NVMe base enclosure only. SCM is not to be installed or used in an NVMe expansion enclosure.

FIPS SAS SSD for use in 25 x 2.5" expansion enclosure

Drive Capacity	Part Number	Model	Minimum OS Version Required
1920 GB [3]	005033007 005033008 005053625 005053626 005053742 005053743	1000T/1000X 3000T/3000X 5000T/5000X 7000T/7000X 9000T/9000X	N/A
3840 GB	005033009 005033010 005053627 005053628 005053744 005053745 005054005 005054190	1000T/1000X 3000T/3000X 5000T/5000X 7000T/7000X 9000T/9000X	N/A

Drive Capacity	Part Number	Model	Minimum OS Version Required
7680 GB	005033011 005033012 005053629 005053630 005053746 005053747 005054006 005054191	1000T/1000X 3000T/3000X 5000T/5000X 7000T/7000X 9000T/9000X	N/A

[3] 1.92 TB SAS FIPS for use in 25x2.5" SAS expansion enclosure was taken EOL in June 2021 for low sales. Use the 3.84TB SAS FIPS drive in its place for APOS expansion and field service break-fix replacements.

NEBS certified FIPS NVMe SSD for use in a 25x2.5" DC-powered base enclosure

Drive Capacity	Part Number	Model	Minimum OS Required
1920 GB	005050494 005648693	500T	2.1.0.0
3840 GB	005050493 005648694	500T	2.1.0.0
7680 GB	005054201 005648695	500T	3.5.0.0
15,360 GB	005054202 005648696	500T	3.5.0.0

NON-FIPS Validated Drives

The next three tables contain non-FIPS validated drive part numbers.

It is important that these parts NOT BE USED as replacements for FIPS validated parts as they invalidate the FIPS security status of the appliance.

SED NON-FIPS NVMe SSD for use in 25 x 2.5" base and expansion enclosures [1]

Drive Capacity	Part Number	Model	Minimum OS Version Required
1920 GB	005053076 005053077 005054041 005054203 005648708	500T 1000T/1000X/1200T 3000T/3000X/3200T 5000T/5000X/5200T 7000T/7000X 9000T/9000X/9200T	N/A

Drive Capacity	Part Number	Model	Minimum OS Version Required
3840 GB	005053078 005053079 005054042 005054204 005648706 005648709	500T 1000T/1000X/1200T 3000T/3000X/3200T 5000T/5000X/5200T 7000T/7000X 9000T/9000X/9200T	N/A
7680 GB	005053080 005053081 005054043 005054205 005648707 005648710	500T 1000T/1000X/1200T 3000T/3000X/3200T 5000T/5000X/5200T 7000T/7000X 9000T/9000X/9200T	N/A
15,360 GB	005053082 005053083 005054044 005054206 005648711	500T 1000T/1000X/1200T 3000T/3000X/3200T 5000T/5000X/5200T 7000T/7000X 9000T/9000X/9200T	N/A

NEBS certified SED NON-FIPS NVMe SSD for use in 25x2.5" DC-powered base enclosure

Drive Capacity	Part Number	Model	Minimum OS Required
1920 GB	005054067 005648712	500T	2.1.0.0
3840 GB	005054068 005648713	500T	2.1.0.0
7680 GB	005648554 005648714	500T	3.5.0.0
15,360 GB	005648555 005648715	500T	3.5.0.0

SED NON-FIPS NVMe QLC SSD for use in 25x2.5" enclosures

Drive Capacity	Part Number	Model	Minimum OS Required
15,360 GB	005648479	P3200Q	4.0.0.0

Where to get help

The Dell Technologies Support site (<https://www.dell.com/support>) contains important information about products and services including drivers, installation packages, product documentation, knowledge base articles, and advisories.

A valid support contract and account might be required to access all the available information about a specific Dell Technologies product or service.