



HPE 3PAR StoreServ 8000 Storage Drive Support Reference

Abstract

This document provides drive support for 3PAR StoreServ 8000 Storage.

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HPE 3PAR StoreServ 8000 Storage Drive Specifications

IMPORTANT: The same drive model number will have different spare part numbers on different platforms and with different characteristics. For example, the same drive model may be offered in Small Form Factor (SFF) and Large Form Factor (LFF). To identify the correct drive, use the spare part number if known. If the spare part number is not known, use the model number on the **CORRECT PLATFORM** with the **CORRECT CHARACTERISTICS** of that drive such as form factor, capacity and encryption.

When multiple patches are listed for a minimum 3PAR OS version:

- “or” means that the highest-numbered patch supersedes the lower-numbered patch (or patches). HPE recommends installing the highest-numbered patch to ensure the latest firmware is installed.
- “+” means that the combination of patches supersedes the lower-numbered patch (or patches). The combination of patches must be installed. See the Notes column for details.

Capacity in GB	RPM x 1000 ¹	HPE Model Number (from showpd -i)	Device Type ²	Spare Part Number	Minimum OS level required ³	SKU	Form Factor ⁴	Encryption	Notes
300	15	HKCF0300S5xeN015	FC	810763-001	3.2.2-GA	K2P97B/ K2P97A	SFF	Not Encrypted	
400	150	AREA0400S5xnNTRI	SSD	879386-001	3.2.2-MU4+P74 or (P94+P95), 3.2.2-MU3+(P75 or P89), 3.2.2-MU2+(P77 or P81)	N9Y06B/ N9Y06A	SFF	Not Encrypted	For 3.2.2-MU4, P94 plus P95 obsoletes P74.
400	150	DDYE0400S5xnNMRI	SSD	873096-001	3.2.2-MU4+P58 or P74 or (P94+P95), 3.2.2-MU3+P89, 3.2.2-MU2+P81	N9Y06B/ N9Y06A	SFF	Not Encrypted	For 3.2.2-MU4, P94 plus P95 obsoletes P74.

¹ RPM for hard disk drives specifies revolutions per minute. This is not applicable to SSDs but RPM values are used by the OS to differentiate between SSD technologies.

² FC=Fast Class (also known as Enterprise Class), NL=Nearline Class, SSD=Solid State Drive.

³ Best practice is always to maintain your system at the latest default OS version. However, drive models released prior to 3PAR OS 3.3.1, have a minimum OS version required for the system to recognize the drive.

⁴ SFF=Small Form Factor of 2.5 inches. LFF=Large Form Factor of 3.5 inches.

Capacity in GB	RPM x 1000 ¹	HPE Model Number (from showpd -i)	Device Type ²	Spare Part Number	Minimum OS level required ³	SKU	Form Factor ⁴	Encryption	Notes
400	150	AREX0400S5xnNTRI	SSD	844283-001	3.2.2-EGA+P04	N9Y06B/ N9Y06A	SFF	Not Encrypted	
480	100	AREA0480S5xnNTRI	SSD	P00888-001	3.3.1-EGA, 3.2.2- MU4+(P91 or P95), 3.2.2-MU3+P93, 3.2.2-MU2+P81	K2P88B	SFF	Not Encrypted	
480	100	AREX0480S5xnNTRI	SSD	844272-001	3.2.2-EGA+P04	K2P88B/ K2P88A	SFF	Not Encrypted	
480	100	DOPE0480S5xnNMRI	SSD	810770-001	3.2.2-GA	K2P88B/ K2P88A	SFF	Not Encrypted	Refer to a00016907en_us for a critical drive firmware upgrade.
480	150	HSCP0480S5xnNMRI	SSD	810774-001	3.2.2-GA	K2Q95A	SFF	Not Encrypted	
480	100	DOPE0480S5xnNMRI	SSD	810772-001	3.2.2-GA	K2Q96A	LFF	Not Encrypted	Refer to a00016907en_us for a critical drive firmware upgrade.
600	10	STHB0600S5xeN010	FC	840458-001	3.2.2-EGA+P04	K2P99B/ K2P99A	SFF	Not Encrypted	
600	15	HKCF0600S5xeN015	FC	810764-001	3.2.2-GA	K2P98B/ K2P98A	SFF	Not Encrypted	
600	10	HCBF0600S5xeN010	FC	See Notes column for preferred spare. 810761-001	3.2.2-GA	K2P99B/ K2P99A	SFF	Not Encrypted	Preferred spare part is 840458-001, however, ensure minimum OS is met. Refer to a00022399en_us.
1200	10	STHB1200S5xeN010	FC	840459-001	3.2.2-EGA+P04	K2P93B/ K2P93A	SFF	Not Encrypted	
1200	10	HCBF1200S5xeN010	FC	See Notes column for preferred spare. 810759-001	3.2.2-GA	K2P93B/ K2P93A	SFF	Not Encrypted	Preferred spare part is 840459-001, however, ensure minimum OS is met. Refer to a00022399en_us.
1800	10	STHB1800S5xeN010	FC	840460-001	3.2.2-EGA+P04	K2P94B/ K2P94A	SFF	Not Encrypted	

Capacity in GB	RPM x 1000 ¹	HPE Model Number (from showpd -i)	Device Type ²	Spare Part Number	Minimum OS level required ³	SKU	Form Factor ⁴	Encryption	Notes
1800	10	HCBF1800S5xeN010	FC	See Notes column for preferred spare. 810760-001	3.2.2-GA	K2P94B/ K2P94A	SFF	Not Encrypted	Preferred spare part is 840460-001, however, ensure minimum OS is met. Refer to a00022399en_us.
1920	100	AREA1920S5xnNTRI	SSD	879389-001	3.2.2-MU4+P74 or (P94+P95), 3.2.2- MU3+(P75 or P89), 3.2.2-MU2+(P77 or P81)	K2P89B/ K2P89A	SFF	Not Encrypted	For 3.2.2-MU4, P94 plus P95 obsoletes P74.
1920	100	DDYE1920S5xnNMRI	SSD	873103-001	3.2.2-MU4+P58 or P74 or (P94+P95), 3.2.2-MU3+P89, 3.2.2-MU2+P81	K2P89B/ K2P89A	SFF	Not Encrypted	For 3.2.2-MU4, P94 plus P95 obsoletes P74.
1920	100	AREX1920S5xnNTRI	SSD	838231-001	3.2.2+P01	K2P89B/ K2P89A	SFF	Not Encrypted	
1920	100	DOPE1920S5xnNMRI	SSD	810771-001	3.2.2-GA	K2P89B/ K2P89A	SFF	Not Encrypted	Refer to a00016907en_us for a critical drive firmware upgrade.
2000	7.2	HAKP2000S5xeN7.2	NL	871643-001	3.2.2-MU4+P58 or P74 or (P94+P95), 3.2.2-MU3+(P75 or P89), 3.2.2- MU2+(P77 or P81)	K2P95B/ K2P95A	LFF	Not Encrypted	For 3.2.2-MU4, P94 plus P95 obsoletes P74.
2000	7.2	SMKR2000S5xeN7.2	NL	810767-001	3.2.2-GA	K2P95B/ K2P95A	LFF	Not Encrypted	
2000	7.2	SAVN2000S5xeN7.2	NL	814668-001	3.2.2-GA	M0S92B/ M0S92A	SFF	Not Encrypted	
3840	100	AREA3840S5xnNTRI	SSD	879391-001	3.2.2-MU4+P74 or (P94+P95), 3.2.2- MU3+(P75 or P89), 3.2.2-MU2+(P77 or P81)	K2P91B/ K2P91A	SFF	Not Encrypted	For 3.2.2-MU4, P94 plus P95 obsoletes P74.

Capacity in GB	RPM x 1000 ¹	HPE Model Number (from showpd -i)	Device Type ²	Spare Part Number	Minimum OS level required ³	SKU	Form Factor ⁴	Encryption	Notes
3840	100	DDYE3840S5xnNMRI	SSD	873101-001	3.2.2- MU4+(P58+P73) or P74 or (P94+P95), 3.2.2-MU3+P89, 3.2.2-MU2+P81	K2P91B/ K2P91A	SFF	Not Encrypted	P73 is part of 3.2.2-EMU4. For 3.2.2- MU4, P94 plus P95 obsoletes P74.
3840	100	AREX3840S5xnNTRI	SSD	834596-001	3.2.2+P01	K2P91B/ K2P91A	SFF	Not Encrypted	
3840	100	DOPM3840S5xnNMRI	SSD	810773-001	3.2.2-GA	K2P91B/ K2P91A	SFF	Not Encrypted	Refer to a00016907en_us for a critical drive firmware upgrade.
4000	7.2	SMBP4000S5xeN7.2	NL	871864-001	3.3.1-EGA, 3.2.2- MU4+(P91 or P95), 3.2.2-MU3+P93, 3.2.2-MU2+P81	K2P87B	LFF	Not Encrypted	
4000	7.2	HAKP4000S5xeN7.2	NL	823124-001	3.2.2-MU2+P11	K2P87B/ K2P87A	LFF	Not Encrypted	
4000	7.2	SMKR4000S5xeN7.2	NL	810766-001	3.2.2-GA	K2P87B/ K2P87A	LFF	Not Encrypted	
6000	7.2	SMBP6000S5xeN7.2	NL	871865-001	3.3.1-EGA, 3.2.2- MU4+(P91 or P95), 3.2.2-MU3+P93, 3.2.2-MU2+P81	K2P96B	LFF	Not Encrypted	
6000	7.2	HAKP6000S5xeN7.2	NL	823123-001	3.2.2-MU2+P11	K2P96B/ K2P96A	LFF	Not Encrypted	
6000	7.2	SMKR6000S5xeN7.2	NL	810768-001	3.2.2-GA	K2P96B/ K2P96A	LFF	Not Encrypted	
7680	100	DDYM7680S5xnNMRI	SSD	873100-001	3.2.2-MU4+P58 or P74 or (P94+P95), 3.2.2-MU3+P89, 3.2.2-MU2+P81	P9L83B/ P9L83A	SFF	Not Encrypted	For 3.2.2-MU4, P94 plus P95 obsoletes P74.
7680	100	AREA7680S5xnNTRI	SSD	863460-001	3.2.2-MU3+(P49 or P61 or P75 or P89), 3.2.2-MU2+P18	P9L83B/ P9L83A	SFF	Not Encrypted	

Capacity in GB	RPM x 1000 ¹	HPE Model Number (from showpd -i)	Device Type ²	Spare Part Number	Minimum OS level required ³	SKU	Form Factor ⁴	Encryption	Notes
8000	7.2	SMKP8000S5xeN7.2	NL	846590-001	3.2.2-MU2+P11	P9B44B/ P9B44A	LFF	Not Encrypted	
15360	100	AREA15T4S5xnNTRI	SSD	867544-001	3.2.2-MU4+P50 or P57 or (P59+P74), 3.2.2-MU3+(P49 or P61 or P75 or P89), 3.2.2-MU2+(P77 or P81)	P9M59B	SFF	Not Encrypted	For 3.2.2-MU4, P59+P74 obsoletes P57.
600	15	HKCF0600S5xeF015	FC	810765-001	3.2.2-GA	K2P92B/ K2P92A	SFF	Encrypted	
920	150	AREA0920S5xnFTRI	SSD	879393-001	3.3.1-EGA, 3.2.2- MU4+(P91 or P95), 3.2.2-MU3+P93, 3.2.2-MU2+P81	K2P90B/ K2P90A	SFF	Encrypted	
920	150	AREX0920S5xnFTRI	SSD	844273-001	3.2.2-EGA+P04	K2P90B/ K2P90A	SFF	Encrypted	
920	150	HSCP0920S5xnFMRI	SSD	810775-001	3.2.2-GA	K2P90B/ K2P90A	SFF	Encrypted	
1200	10	STHB1200S5xeF010	FC	875659-001	3.2.2-MU4+P57 or (P59+P74), 3.2.2- MU3+(P61 or P75 or P89), 3.2.2- MU2+P53 or (P71+P77) or P81	K2P85B/ K2P85A	SFF	Encrypted	For 3.2.2-MU4, P59+P74 obsoletes P57. For 3.2.2-MU2, P71+P77 obsoletes P53.
1200	10	HCBF1200S5xeF010	FC	See Notes column for preferred spare. 810762-001	3.2.2-GA	K2P85B/ K2P85A	SFF	Encrypted	Preferred spare part is 875659-001, however, ensure minimum OS is met. Refer to a00022399en_us.
1920	100	AREA1920S5xnFTRI	SSD	879395-001	3.3.1-EGA, 3.2.2- MU4+(P91 or P95), 3.2.2-MU3+P93, 3.2.2-MU2+P81	K2R27B/ K2R27A	SFF	Encrypted	

Capacity in GB	RPM x 1000 ¹	HPE Model Number (from showpd -i)	Device Type ²	Spare Part Number	Minimum OS level required ³	SKU	Form Factor ⁴	Encryption	Notes
1920	100	AREX1920S5xnFTRI	SSD	840461-001	3.2.2-EGA+P04	K2R27B/ K2R27A	SFF	Encrypted	
1920	100	HSCP1920S5xnFMRI	SSD	810758-001	3.2.2-GA	K2R27A	SFF	Encrypted	
2000	7.2	SMKR2000S5xeF7.2	NL	844281-001	3.2.2-MU2+P11	N9Y04A	LFF	Encrypted	
3840	100	AREA3840S5xnFTRI	SSD	879397-001	3.3.1-EGA, 3.2.2- MU4+(P91 or P95), 3.2.2-MU3+P93, 3.2.2-MU2+P81	M0T66B/ M0T66A	SFF	Encrypted	
3840	100	AREX3840S5xnFTRI	SSD	834598-001	3.2.2-EGA+P04	M0T66B/ M0T66A	SFF	Encrypted	
4000	7.2	SMBP4000S5xeF7.2	NL	871866-001	3.3.1-EGA, 3.2.2- MU4+P91, 3.2.2- MU3+P93, 3.2.2- MU2+P81	N9Y05B	LFF	Encrypted	
4000	7.2	SMKR4000S5xeF7.2	NL	844282-001	3.2.2-EGA+P04	N9Y05B/ N9Y05A	LFF	Encrypted	
6000	7.2	SMBP6000S5xeF7.2	NL	871867-001	3.3.1-EGA, 3.2.2- MU4+(P91 or P95), 3.2.2-MU3+P93, 3.2.2-MU2+P81	K2P86B	LFF	Encrypted	
6000	7.2	SMKR6000S5xeF7.2	NL	810769-001	3.2.2-GA	K2P86B/ K2P86A	LFF	Encrypted	
7680	100	AREA7680S5xnFTRI	SSD	869337-001	3.2.2.MU4+P50 or P57 or (P59+P74), 3.2.2.MU3+(P49 or P61 or P75 or P89), 3.2.2-MU2+(P77 or P81)	P9L84B/ P9L84A	SFF	Encrypted	For 3.2.2-MU4, P59+P74 obsoletes P57.
8000	7.2	SMKP8000S5xeF7.2	NL	846593-001	3.2.2.MU2+P18	P9B45B/ P9B45A	LFF	Encrypted	

Capacity in GB	RPM x 1000 ¹	HPE Model Number (from showpd -i)	Device Type ²	Spare Part Number	Minimum OS level required ³	SKU	Form Factor ⁴	Encryption	Notes
15360	100	AREA15T4S5xnFTRI	SSD	867545-001	3.2.2.MU4+P50 or P57 or (P59+P74), 3.2.2.MU3+(P49 or P61 or P75 or P89), 3.2.2-MU2+(P77 or P81)	P9M60B/ P9M60A	SFF	Encrypted	For 3.2.2-MU4, P59+P74 obsoletes P57.

NOTE:

- For 3PAR StoreServ support policy and active OS versions, see *HPE Storage Products and 3PAR OS Software Support Policy* at: http://h20564.www2.hpe.com/hpsc/doc/public/display?docId=emr_na-c05275592
- For instructions on replacing a drive, see the section “Replacing a drive” in the *HPE 3PAR StoreServ 8000 Storage Service and Upgrade Guide* at: <http://h20564.www2.hpe.com/portal/site/hpsc/public/kb/docDisplay/?docId=c04777546>

Regulatory information

For important safety, environmental, and regulatory information, see *Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products*, available at www.hpe.com/support/Safety-Compliance-EnterpriseProducts.

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