Hewlett Packard
Enterprise

HPE 3PAR StoreServ 8000 Storage Drive Support Reference

Abstract

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

Part Number: 20-3PAR8K-DRVREF-ED40
Published: August 2023
Edition: 40

The information in this document is subject to change without notice.
© Copyright 2016-2023, Hewlett Packard Enterprise Development LP

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	SKSS0300S5xeN015	FC	P45953-001	3.3.2-GA, 3.3.1-MU2	K2P97B	SFF	Not Encrypted	
300	15	SKSN0300S5xeN015	FC	P20062-001	3.3.1-MU2, 3.2.2-MU6+P163, 3.2.2-MU4+P164	K2P97B	SFF	Not Encrypted	
300	15	SKST0300S5xeN015	FC	P12103-001	3.3.1-MU3+P61, 3.3.1-MU2+(P60 or P93), 3.2.2-MU6+(P140 or P146 or P154 or P163), 3.2.2-MU4+(P141 or P150 or P153 or P164)	K2P97B	SFF	Not Encrypted	

[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 MU2, 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
300	15	HKCF0300S5xeN015	FC	810763-001	3.2.2-GA	K2P97B/K2P97A	SFF	Not Encrypted	Refer to advisory a00072552en_us for spares transitioning.
400	150	AREA0400S5xnNTRI	SSD	879386-001	3.2.2-MU4+P74 or (P94+P95) or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164, 3.2.2-MU3+(P75 or P89 or P97), 3.2.2-MU2+(P77 or P81 or P83)	N9Y06B/N9Y06A	SFF	Not Encrypted	Refer to notice a00065635en_us for spares transitioning. 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) or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164, 3.2.2-MU3+(P89 or P97), 3.2.2-MU2+(P81 or P83)	N9Y06B/N9Y06A	SFF	Not Encrypted	Refer to advisory a00043163en_us for important firmware update. Refer to notice a00071094en_us for spares transitioning. For 3.2.2-MU4, P94 plus P95 obsoletes P74.
400	150	AREX0400S5xnNTRI	SSD	844283-001	3.2.2-EGA+P04	N9Y06B/N9Y06A	SFF	Not Encrypted	Refer to bulletin a00050179en_us for critical update. Refer to notice a00065635en_us for spares transitioning.

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
480	100	AREA0480S5xnNTRI	SSD	P00888-001	3.3.1-EGA, 3.2.2-MU6, 3.2.2-MU4+(P91 or P95 or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164), 3.2.2-MU3+(P93 or P97), 3.2.2-MU2+(P81 or P83) (See Notes column.)	K2P88B	SFF	Not Encrypted	3.2.2-MU6 requires no patches for support.
480	100	AREX0480S5xnNTRI	SSD	844272-001	3.2.2-EGA+P04	K2P88B/K2P88A	SFF	Not Encrypted	Refer to bulletin a00050179en_us for critical update.
480	100	DOPE0480S5xnNMRI	SSD	810770-001	3.2.2-GA	K2P88B/K2P88A	SFF	Not Encrypted	Refer to advisory a00042189en_us for spares transitioning.
480	100	DOPE0480S5xnNMRI	SSD	810772-001	3.2.2-GA	K2Q96A	LFF	Not Encrypted	
480	150	HSCP0480S5xnNMRI	SSD	810774-001	3.2.2-GA	K2Q95A	SFF	Not Encrypted	Refer to notice a00078377en_us for spares transitioning.
600	10	SSKS0600S5xeN010	FC	P45957-001	3.3.2-GA, 3.3.1-MU2	K2P99B	SFF	Not Encrypted	
600	10	SSKN0600S5xeN010	FC	P20071-001	3.3.1-MU2, 3.2.2-MU6+P163, 3.2.2-MU4+P164	K2P99B	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
600	10	SSKB0600S5xeN010	FC	P03797-001	3.3.1-MU1+P25, 3.2.2-MU6+(P112 or P115 or P124 or P136 or P137 or P140 or P146 or P154 or P163), 3.2.2-MU4+(P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164) (See Notes column.)	K2P99B	SFF	Not Encrypted	Refer to advisory a00069828en_us for a critical firmware update.
600	10	HCFP0600S5xeN010	FC	P01021-001	3.3.1-MU1+P25, 3.2.2-MU6+(P104 or P112 or P115 or P124 or P136 or P137 or P140 or P146 or P154 or P163), 3.2.2-MU4+(P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164)	K2P99B	SFF	Not Encrypted	Refer to Customer Notice a00094161en_us for spare transitioning.
600	10	STHB0600S5xeN010	FC	840458-001	3.2.2-EGA+P04	K2P99B/K2P99A	SFF	Not Encrypted	Refer to advisory a00055737en_us for spare transitioning information.
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 but ensure minimum OS is met; refer to advisory a00022399en_us. For firmware recommendation, refer to advisory a00043041en_us.
600	15	SKSS0600S5xeN015	FC	P45955-001	3.3.2-GA, 3.3.1-MU2	K2P98B	SFF	Not Encrypted	
600	15	SKSN0600S5xeN015	FC	P20065-001	3.3.1-MU2, 3.2.2-MU6+P163, 3.2.2-MU4+P164	K2P98B	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
600	15	SKST0600S5xeN015	FC	P12104-001	3.3.1-MU3+P61, 3.3.1-MU2+(P60 or P93), 3.2.2-MU6+(P140 or P146 or P154 or P163), 3.2.2-MU4+(P141 or P150 or P153 or P164)	K2P98B	SFF	Not Encrypted	
600	15	HKCF0600S5xeN015	FC	810764-001	3.2.2-GA	K2P98B/K2P98A	SFF	Not Encrypted	Refer to advisory a00072552en_us for spares transitioning.
920	150	KPM60920S5xnNTRI	SSD	P43427-001	3.3.2, 3.3.1-MU2, 3.3.1-MU3, 3.3.1-MU5	R0P66A	SFF	Not Encrypted	
920	150	ARFA0920S5xnNTRI	SSD	P37643-001	3.3.2, 3.3.1-MU2, 3.2.2-MU6+P168	R0P66A	SFF	Not Encrypted	
920	150	TPM50920S5xnNTRI	SSD	P14216-001	3.3.1-MU2, 3.2.2-MU6+P163, 3.2.2-MU4+P164	R0P66A	SFF	Not Encrypted	
920	150	ARFX0920S5xnNTRI	SSD	P08719-001	3.3.1-MU1+P25, 3.2.2-MU6+(P124 or P136 or P137 or P140 or P146 or P154 or P163), 3.2.2-MU4+(P121 or P128 or P129 or P141 or P150 or P153 or P164)	R0P66A	SFF	Not Encrypted	
1200	10	SSKS1200S5xeN010	FC	P45959-001	3.3.2-GA, 3.3.1-MU2	K2P93B	SFF	Not Encrypted	
1200	10	SSKN1200S5xeN010	FC	P20074-001	3.3.1-MU2, 3.2.2-MU6+P163, 3.2.2-MU4+P164	K2P93B	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
1200	10	SSKB1200S5xeN010	FC	P03798-001	3.3.1-MU1+P25, 3.2.2-MU6+(P112 or P115 or P124 or P136 or P137 or P140 or P146 or P154 or P163), 3.2.2-MU4+(P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164) (See Notes column.)	K2P93B	SFF	Not Encrypted	Refer to advisory a00069828en_us for a critical firmware update.
1200	10	HCFP1200S5xeN010	FC	P01022-001	3.3.1-MU1+P25, 3.2.2-MU6+(P104 or P112 or P115 or P124 or P136 or P137 or P140 or P146 or P154 or P163), 3.2.2-MU4+(P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164)	K2P93B	SFF	Not Encrypted	Refer to Customer Notice a00094161en_us for spare transitioning.
1200	10	STHB1200S5xeN010	FC	840459-001	3.2.2-EGA+P04	K2P93B/K2P93A	SFF	Not Encrypted	Refer to advisory a00055737en_us for spare transitioning information.
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 but ensure minimum OS is met; refer to advisory a00022399en_us. For firmware recommendation, refer to advisory a00043041en_us.
1800	10	SSKS1800S5xeN010	FC	P45961-001	3.3.2-GA, 3.3.1-MU2	K2P94B	SFF	Not Encrypted	
1800	10	SSKN1800S5xeN010	FC	P20077-001	3.3.1-MU2, 3.2.2-MU6+P163, 3.2.2-MU4+P164	K2P94B	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	SSKB1800S5xeN010	FC	P03799-001	3.3.1-MU1+P25, 3.2.2-MU6+(P112 or P115 or P124 or P136 or P137 or P140 or P146 or P154 or P163), 3.2.2-MU4+(P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164) (See Notes column.)	K2P94B	SFF	Not Encrypted	Refer to advisory a00069828en_us for a critical firmware update.
1800	10	HCFP1800S5xeN010	FC	P01023-001	3.3.1-MU1+P25, 3.2.2-MU6+(P104 or P112 or P115 or P124 or P136 or P137 or P140 or P146 or P154 or P163), 3.2.2-MU4+(P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164)	K2P94B	SFF	Not Encrypted	Refer to Customer Notice a00094161en_us for spare transitioning.
1800	10	STHB1800S5xeN010	FC	840460-001	3.2.2-EGA+P04	K2P94B/K2P94A	SFF	Not Encrypted	Refer to advisory a00055737en_us for spare transitioning information.
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 but ensure minimum OS is met; refer to advisory a00022399en_us. For firmware recommendation, refer to advisory a00043041en_us.
1920	100	ARHN1920S5xnNTRI	SSD	P54330-001	OS 3.3.1.MU5 (SID OS 3.3.2.MU1 (SID)	K2P89B	SFF	Not Encrypted	
1920	100	KPM71920S5xnNTRI	SSD	P43429-001	OS 3.3.1.MU5 (SID) OS 3.3.1.MU3 (SID) OS 3.3.1.MU2 (SID)	K2P89B	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
1920	100	KPM61920S5xnNTRI	SSD	P43429-001	3.3.2, 3.3.1-MU2, 3.3.1-MU3, 3.3.1-MU5	K2P89B	SFF	Not Encrypted	
1920	100	ARFA1920S5xnNTRI	SSD	P37645-001	3.3.2, 3.3.1-MU2, 3.2.2-MU6+P168	K2P89B	SFF	Not Encrypted	
1920	100	TPM51920S5xnNTRI	SSD	P14218-001	3.3.1-MU2, 3.2.2-MU6+P163, 3.2.2-MU4+P164	K2P89B	SFF	Not Encrypted	
1920	100	ARFX1920S5xnNTRI	SSD	P08720-001	3.3.1-MU1+P25, 3.2.2-MU6+(P124 or P136 or P137 or P140 or P146 or P154 or P163), 3.2.2-MU4+(P121 or P128 or P129 or P141 or P150 or P153 or P164)	K2P89B	SFF	Not Encrypted	
1920	100	AREA1920S5xnNTRI	SSD	879389-001	3.2.2-MU4+P74 or (P94+P95) or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164, 3.2.2-MU3+(P75 or P89 or P97), 3.2.2-MU2+(P77 or P81 or P83)	K2P89B/K2P89A	SFF	Not Encrypted	Refer to notice a00065635en_us for spares transitioning. 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
1920	100	DDYE1920S5xnNMRI	SSD	873103-001	3.2.2-MU4+P58 or P74 or (P94+P95) or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164, 3.2.2-MU3+(P89 or P97), 3.2.2-MU2+(P81 or P83)	K2P89B/K2P89A	SFF	Not Encrypted	Refer to advisory a00043163en_us for important firmware update. Refer to notice a00071094en_us for spares transitioning. 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	Refer to bulletin a00050179en_us for critical update. Refer to notice a00065635en_us for spares transitioning.
1920	100	DOPE1920S5xnNMRI	SSD	810771-001	3.2.2-GA	K2P89B/K2P89A	SFF	Not Encrypted	Refer to advisory a00042189en_us for spares transitioning.
2000	7.2	HAKP2000S5xeN7.2	NL	871643-001	3.2.2-MU4+P58 or P74 or (P94+P95) or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164, 3.2.2-MU3+(P75 or P89 or P97), 3.2.2-MU2+(P77 or P81 or P83)	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	ARHN3840S5xnNTRI	SSD	P43431-001	OS 3.3.1.MU5 (SID) OS 3.3.2.MU1 (SID)	K2P91B	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
3840	100	KPM73840S5xnNTRI	SSD	P43431-001	OS 3.3.1.MU5 (SID) OS 3.3.1.MU3 (SID) OS 3.3.1.MU2 (SID)	K2P91B	SFF	Not Encrypted	
3840	100	KPM63840S5xnNTRI	SSD	P43431-001	3.3.2, 3.3.1-MU2, 3.3.1-MU3, 3.3.1-MU5	K2P91B	SFF	Not Encrypted	
3840	100	ARFA3840S5xnNTRI	SSD	P37647-001	3.3.2, 3.3.1-MU2, 3.2.2-MU6+P168	K2P91B	SFF	Not Encrypted	
3840	100	TPM53840S5xnNTRI	SSD	P14220-001	3.3.1-MU2, 3.2.2-MU6+P163, 3.2.2-MU4+P164	K2P91B	SFF	Not Encrypted	
3840	100	ARFX3840S5xnNTRI	SSD	P08721-001	3.3.1-MU1+P25, 3.2.2-MU6+(P124 or P136 or P137 or P140 or P146 or P154 or P163), 3.2.2-MU4+(P121 or P128 or P129 or P141 or P150 or P153 or P164)	K2P91B	SFF	Not Encrypted	
3840	100	AREA3840S5xnNTRI	SSD	879391-001	3.2.2-MU4+P74 or (P94+P95) or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164, 3.2.2-MU3+(P75 or P89 or P97), 3.2.2-MU2+(P77 or P81 or P83)	K2P91B/K2P91A	SFF	Not Encrypted	Refer to notice a00065635en_us for spares transitioning. 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) or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164, 3.2.2-MU3+(P89 or P97), 3.2.2-MU2+(P81 or P83)	K2P91B/K2P91A	SFF	Not Encrypted	Refer to advisory a00043163en_us for important firmware update. Refer to notice a00071094en_us for spares transitioning. 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	Refer to bulletin a00050179en_us for critical update. Refer to notice a00065635en_us for spares transitioning.
3840	100	DOPM3840S5xnNMRI	SSD	810773-001	3.2.2-GA	K2P91B/K2P91A	SFF	Not Encrypted	Refer to advisory a00042189en_us for spares transitioning.
4000	7.2	SCBP4000S5xeN7.2	NL	P47554-001	3.3.1.MU2 via SID 3.3.2.GA via SID	K2Q38B	LFF	Not Encrypted	
4000	7.2	SCMR4000S5xeN7.2	NL	P27027-001	3.2.2-MU6+P167, 3.3.1-MU2	K2P87B	LFF	Not Encrypted	3.2.2-MU6+P167 has been obsoleted by 3.2.2-MU6+P172
4000	7.2	SMBP4000S5xeN7.2	NL	871864-001	3.3.1-EGA, 3.2.2-MU6, 3.2.2-MU4+(P91 or P95 or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164), 3.2.2-MU3+(P93 or P97), 3.2.2-MU2+(P81 or P83) (See Notes column.)	K2P87B	LFF	Not Encrypted	3.2.2-MU6 requires no patches for support.

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
4000	7.2	HAKP4000S5xeN7.2	NL	823124-001	3.2.2-MU2+(P11 or P18 or P25 or P53 or P81 or P83)	K2P87B/K2P87A	LFF	Not Encrypted	Refer to Customer Notice a00083519en_us for spare transitioning.
4000	7.2	SMKR4000S5xeN7.2	NL	810766-001	3.2.2-GA	K2P87B/K2P87A	LFF	Not Encrypted	
6000	7.2	SCMR6000S5xeN7.2	NL	P27031-001	3.2.2-MU6+P167, 3.3.1-MU2	K2P96B	LFF	Not Encrypted	3.2.2-MU6+P167 has been obsoleted by 3.2.2-MU6+P172
6000	7.2	SMBP6000S5xeN7.2	NL	871865-001	3.3.1-EGA, 3.2.2-MU6, 3.2.2-MU4+(P91 or P95 or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164), 3.2.2-MU3+(P93 or P97), 3.2.2-MU2+(P81 or P83) (See Notes column.)	K2P96B	LFF	Not Encrypted	3.2.2-MU6 requires no patches for support.
6000	7.2	HAKP6000S5xeN7.2	NL	823123-001	3.2.2-MU2+(P11 or P18 or P25 or P53 or P81 or P83)	K2P96B/K2P96A	LFF	Not Encrypted	Refer to Customer Notice a00083519en_us for spare transitioning.
6000	7.2	SMKR6000S5xeN7.2	NL	810768-001	3.2.2-GA	K2P96B/K2P96A	LFF	Not Encrypted	
7680	100	ARHN7680S5xnNTRI	SSD	P54332-001	OS 3.3.1.MU5 (SID) OS 3.3.2.MU1 (SID)	P9L83B	SFF	Not Encrypted	
7680	100	KPM77680S5xnNTRI	SSD	P43433-001	OS 3.3.1.MU5 (SID) OS 3.3.1.MU3 (SID) OS 3.3.1.MU2 (SID)	P9L83B	SFF	Not Encrypted	
7680	100	KPM67680S5xnNTRI	SSD	P43433-001	3.3.2, 3.3.1-MU2, 3.3.1-MU3, 3.3.1-MU5	P9L83B	SFF	Not Encrypted	
7680	100	ARFA7680S5xnNTRI	SSD	P37649-001	3.3.2, 3.3.1-MU2, 3.2.2-MU6+P168	P9L83B	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
7680	100	TPM57680S5xnNTRI	SSD	P14222-001	3.3.1-MU2, 3.2.2-MU6+P163, 3.2.2-MU4+P164	P9L83B	SFF	Not Encrypted	
7680	100	ARFX7680S5xnNTRI	SSD	P08736-001	3.3.1-MU1+P25, 3.2.2-MU6+(P124 or P136 or P137 or P140 or P146 or P154 or P163), 3.2.2-MU4+(P121 or P128 or P129 or P141 or P150 or P153 or P164)	P9L83B	SFF	Not Encrypted	
7680	100	DDYM7680S5xnNMRI	SSD	873100-001	3.2.2-MU4+P58 or P74 or (P94+P95) or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164, 3.2.2-MU3+(P89 or P97), 3.2.2-MU2+(P81 or P83)	P9L83B/P9L83A	SFF	Not Encrypted	Refer to advisory a00043163en_us for important firmware update. Refer to notice a00071094en_us for spares transitioning. 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 or P97), 3.2.2-MU2+(P18 or P25 or P53 or P81 or P83)	P9L83B/P9L83A	SFF	Not Encrypted	Refer to bulletin a00050179en_us for critical update. Refer to notice a00065635en_us for spares transitioning.
8000	7.2	SCMR8000S5xeN7.2	NL	P27035-001	3.2.2-MU6+P167, 3.3.1-MU2	P9B44B	LFF	Not Encrypted	3.2.2-MU6+P167 has been obsoleted by 3.2.2-MU6+P172
8000	7.2	SMKP8000S5xeN7.2	NL	846590-001	3.2.2-MU2+(P11 or P18 or P25 or P53 or P81 or P83)	P9B44B/P9B44A	LFF	Not Encrypted	
14000	7.2	WPAC14T0S5xeN7.2	NL	P21226-001	OS 3.3.1 (SID) OS 3.3.2 (SID) OS 4.0.1 (SID)	R3B17A	LFF	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
14000	7.2	WLEB14T0S5xeN7.2	NL	P21226-001	3.3.1-MU2	R3B17A	LFF	Not Encrypted	
15360	100	ARHN15T4S5xnNTRI	SSD	P54333-001	OS 3.3.1.MU5 (SID) OS 3.3.2.MU1 (SID)	P9M59B	SFF	Not Encrypted	
15360	100	KPM715T4S5xnNTRI	SSD	P43435-001	OS 3.3.1.MU5 (SID) OS 3.3.1.MU3 (SID) OS 3.3.1.MU2 (SID)	P9M59B	SFF	Not Encrypted	
15360	100	KPM615T4S5xnNTRI	SSD	P43435-001	3.3.2, 3.3.1-MU2, 3.3.1-MU3, 3.3.1-MU5	P9M59B	SFF	Not Encrypted	
15360	100	ARFA15T4S5xnNTRI	SSD	P37651-001	3.3.2, 3.3.1-MU2, 3.2.2-MU6+P168	P9M59B	SFF	Not Encrypted	
15360	100	TPM515T4S5xnNTRI	SSD	P14224-001	3.3.1-MU2, 3.2.2-MU6+P163, 3.2.2-MU4+P164	P9M59B	SFF	Not Encrypted	
15360	100	ARFX15T4S5xnNTRI	SSD	P08737-001	3.3.1-MU1+P25, 3.2.2-MU6+(P124 or P136 or P137 or P140 or P146 or P154 or P163), 3.2.2-MU4+(P121 or P128 or P129 or P141 or P150 or P153 or P164)	P9M59B	SFF	Not Encrypted	
15360	100	AREA15T4S5xnNTRI	SSD	867544-001	3.2.2.MU4+P50 or P57 or (P59+P74) or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164, 3.2.2.MU3+(P49 or P61 or P75 or P89 or P97), 3.2.2-MU2+(P77 or P81 or P83)	P9M59B	SFF	Not Encrypted	Refer to bulletin a00050179en_us for critical update. Refer to notice a00065635en_us for spares transitioning. For 3.2.2-MU4, P59+P74 obsoletes P57.

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
600	15	SKSS0600S5xeF015	FC	P20068-001	3.3.2-GA, 3.3.1-MU2	K2P92B	SFF	Encrypted	
600	15	SKSN0600S5xeF015	FC	P20068-001	3.3.1-MU2, 3.2.2-MU6+P163, 3.2.2-MU4+P164	K2P92B	SFF	Encrypted	
600	15	SKST0600S5xeF015	FC	P12107-001	3.3.1-MU3+P61, 3.3.1-MU2+(P60 or P93), 3.2.2-MU6+(P140 or P146 or P154 or P163), 3.2.2-MU4+(P141 or P150 or P153 or P164)	K2P92B	SFF	Encrypted	
600	15	HKCF0600S5xeF015	FC	810765-001	3.2.2-GA	K2P92B/K2P92A	SFF	Encrypted	Refer to advisory a00072552en_us for spares transitioning.
920	150	ARFA0920S5xnFTRI	SSD	P37615-001	3.3.2, 3.3.1-MU2, 3.2.2-MU6+P168	K2P90B	SFF	Encrypted	
920	150	KPM60920S5xnFTRI	SSD	P43411-001	3.3.2, 3.3.1-MU2, 3.3.1-MU3, 3.3.1-MU5	K2P90B	SFF	Encrypted	
920	150	TPM50920S5xnFTRI	SSD	P08722-001	3.3.1-MU2+P142, 3.3.1-MU3+P143, 3.3.1-MU5, 3.3.1-GA	K2P90B	SFF	Encrypted	
920	150	ARFX0920S5xnFTRI	SSD	P08722-001	3.3.1-MU1+P25, 3.2.2-MU6+(P146 or P154 or P163), 3.2.2-MU4+(P150 or P153 or P164)	K2P90B	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
920	150	AREA0920S5xnFTRI	SSD	879393-001	3.3.1-EGA, 3.2.2-MU6, 3.2.2-MU4+(P91 or P95 or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164), 3.2.2-MU3+(P93 or P97), 3.2.2-MU2+(P81 or P83) (See Notes column.)	K2P90B/K2P90A	SFF	Encrypted	Refer to Customer Notice a00075564en_us for spare transitioning. 3.2.2-MU6 requires no patches for support.
920	150	AREX0920S5xnFTRI	SSD	844273-001	3.2.2-EGA+P04	K2P90B/K2P90A	SFF	Encrypted	Refer to bulletin a00050179en_us for critical update. Refer to Customer Notice a00075564en_us for spare transitioning.
920	150	HSCP0920S5xnFMRI	SSD	810775-001	3.2.2-GA	K2P90B/K2P90A	SFF	Encrypted	Refer to notice a00078377en_us for spares transitioning.
1200	10	SSKS1200S5xeF010	FC	P45967-001	3.3.2-GA, 3.3.1-MU2	R3R46A	SFF	Encrypted	TAA Compliant
1200	10	SSKN1200S5xeF010	FC	P20256-001	3.3.1-MU1+P25, 3.2.2-MU6+P163, 3.2.2-MU4+P164	R3R46A	SFF	Encrypted	TAA Compliant
1200	10	SSKS1200S5xeF010	FC	P45965-001	3.3.2-GA, 3.3.1-MU2	K2P85B	SFF	Encrypted	
1200	10	SSKN1200S5xeF010	FC	P20080-001	3.3.1-MU2, 3.2.2-MU6+P163, 3.2.2-MU4+P164	K2P85B	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
1200	10	SSKB1200S5xeF010	FC	P03800-001	3.3.1-MU1+P25, 3.2.2-MU6+(P112 or P115 or P124 or P136 or P137 or P140 or P146 or P154 or P163), 3.2.2-MU4+(P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164) (See Notes column.)	K2P85B	SFF	Encrypted	Refer to advisory a00069828en_us for a critical firmware update.
1200	10	HCFP1200S5xeF010	FC	P01024-001	3.3.1-MU1+P25, 3.2.2-MU6+(P104 or P112 or P115 or P124 or P136 or P137 or P140 or P146 or P154 or P163), 3.2.2-MU4+(P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164)	K2P85B	SFF	Encrypted	Refer to Customer Notice a00094161en_us for spare transitioning.
1200	10	STHB1200S5xeF010	FC	875659-001	3.2.2-MU4+P57 or (P59+P74) or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164, 3.2.2-MU3+(P61 or P75 or P89 or P97), 3.2.2-MU2+P53 or (P71+P77) or P81 or P83	K2P85B/K2P85A	SFF	Encrypted	For 3.2.2-MU4, P59+P74 obsoletes P57. For 3.2.2-MU2, P71+P77 obsoletes P53. Refer to advisory a00055737en_us for spare transitioning information.

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
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 but ensure minimum OS is met; refer to advisory a00022399en_us.
1200	10	SSKB1200S5xeF010	FC	P21203-001 (TAA compliant)	3.3.1-MU1+P25, 3.2.2-MU6+(P112 or P115 or P124 or P136 or P137 or P140 or P146 or P154 or P163), 3.2.2-MU4+(P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164) (See Notes column.)	R3R46A (TAA compliant)	SFF	Encrypted	Refer to advisory a00069828en_us for a critical firmware update.
1920	100	KPM71920S5xnFTRI	SSD	P43413-001	OS 3.3.1.MU5 (SID) OS 3.3.1.MU3 (SID) OS 3.3.1.MU2 (SID)	K2R27B	SFF	Encrypted	
1920	100	ARFA1920S5xnFTRI	SSD	P37624-001	3.3.2, 3.3.1-MU2, 3.2.2-MU6+P168	R3R45A	SFF	Encrypted	TAA Compliant
1920	100	ARFA1920S5xnFTRI	SSD	P37617-001	3.3.2, 3.3.1-MU2, 3.2.2-MU6+P168	K2R27B	SFF	Encrypted	
1920	100	KPM61920S5xnFTRI	SSD	P43413-001	3.3.2, 3.3.1-MU2, 3.3.1-MU3, 3.3.1-MU5	K2R27B	SFF	Encrypted	
1920	100	TPM51920S5xnFTRI	SSD	P08723-001	3.3.1-MU2+P142, 3.3.1-MU3+P143, 3.3.1-MU5, 3.3.1-GA	K2P90B	SFF	Encrypted	
1920	100	ARFX1920S5xnFTRI	SSD	P08723-001	3.3.1-MU1+P25, 3.2.2-MU6+(P146 or P154 or P163), 3.2.2-MU4+(P150 or P153 or P164)	K2R27B	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	AREA1920S5xnFTRI	SSD	879395-001	3.3.1-EGA, 3.2.2-MU6, 3.2.2-MU4+(P91 or P95 or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164), 3.2.2-MU3+(P93 or P97), 3.2.2-MU2+(P81 or P83) (See Notes column.)	K2R27B/K2R27A	SFF	Encrypted	Refer to Customer Notice a00075564en_us for spare transitioning. 3.2.2-MU6 requires no patches for support.
1920	100	AREX1920S5xnFTRI	SSD	840461-001	3.2.2-EGA+P04	K2R27B/K2R27A	SFF	Encrypted	Refer to bulletin a00050179en_us for critical update. Refer to Customer Notice a00075564en_us for spare transitioning.
1920	100	HSCP1920S5xnFMRI	SSD	810758-001	3.2.2-GA	K2R27A	SFF	Encrypted	Refer to notice a00078377en_us for spares transitioning.
1920	100	ARFX1920S5xnFTRI	SSD	P20255-001 (TAA compliant)	3.3.1-MU1+P25, 3.2.2-MU6+(P146 or P154 or P163), 3.2.2-MU4+(P150 or P153 or P164)	R3R45A (TAA compliant)	SFF	Encrypted	
2000	7.2	SMKR2000S5xeF7.2	NL	844281-001	3.2.2-MU2+(P11 or P18 or P25 or P53 or P81 or P83)	N9Y04A	LFF	Encrypted	
3840	100	KPM73840S5xnFTRI	SSD	P43415-001	OS 3.3.1.MU5 (SID) OS 3.3.1.MU3 (SID) OS 3.3.1.MU2 (SID)	M0T66B	SFF	Encrypted	
3840	100	ARFA3840S5xnFTRI	SSD	P37619-001	3.3.2, 3.3.1-MU2, 3.2.2-MU6+P168	M0T66B	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
3840	100	KPM63840S5xnFTRI	SSD	P43415-001	3.3.2, 3.3.1-MU2, 3.3.1-MU3, 3.3.1-MU5	M0T66B	SFF	Encrypted	
3840	100	ARFX3840S5xnFTRI	SSD	P43406-001	3.3.1-MU1+P25, 3.2.2-MU6+(P146 or P154 or P163), 3.2.2-MU4+(P150 or P153 or P164)	R7N95A	SFF	Encrypted	TAA Compliant
3840	100	TPM53840S5xnFTRI	SSD	P08724-001	3.3.1-MU2+P142, 3.3.1-MU3+P143, 3.3.1-MU5, 3.3.1-GA	M0T66B	SFF	Encrypted	
3840	100	ARFX3840S5xnFTRI	SSD	P08724-001	3.3.1-MU1+P25, 3.2.2-MU6+(P146 or P154 or P163), 3.2.2-MU4+(P150 or P153 or P164)	M0T66B	SFF	Encrypted	
3840	100	AREA3840S5xnFTRI	SSD	879397-001	3.3.1-EGA, 3.2.2-MU6, 3.2.2-MU4+(P91 or P95 or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164), 3.2.2-MU3+(P93 or P97), 3.2.2-MU2+(P81 or P83) (See Notes column.)	M0T66B/M0T66A	SFF	Encrypted	Refer to Customer Notice a00075564en_us for spare transitioning. 3.2.2-MU6 requires no patches for support.
3840	100	AREX3840S5xnFTRI	SSD	834598-001	3.2.2-EGA+P04	M0T66B/M0T66A	SFF	Encrypted	Refer to bulletin a00050179en_us for critical update. Refer to Customer Notice a00075564en_us for spare transitioning.

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
4000	7.2	SCMR4000S5xeF7.2	NL	P27030-001	3.2.2-MU6+P167, 3.3.1-MU2	N9Y05B	LFF	Encrypted	3.2.2-MU6+P167 has been obsoleted by 3.2.2-MU6+P172
4000	7.2	SMBP4000S5xeF7.2	NL	871866-001	3.3.1-EGA, 3.2.2-MU6, 3.2.2-MU4+(P91 or P95 or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164), 3.2.2-MU3+(P93 or P97), 3.2.2-MU2+(P81 or P83) (See Notes column.)	N9Y05B	LFF	Encrypted	3.2.2-MU6 requires no patches for support.
4000	7.2	SMKR4000S5xeF7.2	NL	844282-001	3.2.2-EGA+P04	N9Y05B/N9Y05A	LFF	Encrypted	
6000	7.2	SCMR6000S5xeF7.2	NL	P27034-001	3.2.2-MU6+P167, 3.3.1-MU2	K2P86B	LFF	Encrypted	3.2.2-MU6+P167 has been obsoleted by 3.2.2-MU6+P172
6000	7.2	SMBP6000S5xeF7.2	NL	871867-001	3.3.1-EGA, 3.2.2-MU6, 3.2.2-MU4+(P91 or P95 or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164), 3.2.2-MU3+(P93 or P97), 3.2.2-MU2+(P81 or P83) (See Notes column.)	K2P86B	LFF	Encrypted	3.2.2-MU6 requires no patches for support.
6000	7.2	SMKR6000S5xeF7.2	NL	810769-001	3.2.2-GA	K2P86B/K2P86A	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
7680	100	KPM77680S5xnNTRI	SSD	P43433-001	OS 3.3.1.MU5 (SID) OS 3.3.1.MU3 (SID) OS 3.3.1.MU2 (SID)	P9L84B	SFF	Encrypted	
7680	100	ARFA7680S5xnFTRI	SSD	P37621-001	3.3.2, 3.3.1-MU2, 3.2.2-MU6+P168	P9L84B	SFF	Encrypted	
7680	100	KPM67680S5xnFTRI	SSD	P43417-001	3.3.2, 3.3.1-MU2, 3.3.1-MU3, 3.3.1-MU5	P9L84B	SFF	Encrypted	
7680	100	ARFX7680S5xnFTRI	SSD	P43407-001	3.3.1-MU1+P25, 3.2.2-MU6+(P146 or P154 or P163), 3.2.2-MU4+(P150 or P153 or P164)	R7N96A	SFF	Encrypted	TAA Compliant
7680	100	TPM57680S5xnFTRI	SSD	P08741-001	3.3.1-MU2+P142, 3.3.1-MU3+P143, 3.3.1-MU5, 3.3.1-GA	P9L84B	SFF	Encrypted	
7680	100	ARFX7680S5xnFTRI	SSD	P08741-001	3.3.1-MU1+P25, 3.2.2-MU6+(P146 or P154 or P163), 3.2.2-MU4+(P150 or P153 or P164)	P9L84B	SFF	Encrypted	
7680	100	AREA7680S5xnFTRI	SSD	869337-001	3.2.2.MU4+P50 or P57 or (P59+P74) or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164, 3.2.2.MU3+(P49 or P61 or P75 or P89 or P97), 3.2.2-MU2+(P77 or P81 or P83)	P9L84B/P9L84A	SFF	Encrypted	Refer to bulletin a00050179en_us for critical update. Refer to Customer Notice a00075564en_us for spare transitioning. For 3.2.2-MU4, P59+P74 obsoletes P57.
8000	7.2	SCMR8000S5xeF7.2	NL	P27038-001	3.2.2-MU6+P167, 3.3.1-MU2	R3R47A	LFF	Encrypted	TAA Compliant. 3.2.2-MU6+P167 has been obsoleted by 3.2.2-MU6+P172

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	SCMR8000S5xeF7.2	NL	P27037-001	3.2.2-MU6+P167, 3.3.1-MU2	P9B45B	LFF	Encrypted	3.2.2-MU6+P167 has been obsoleted by 3.2.2-MU6+P172
8000	7.2	SMKP8000S5xeF7.2	NL	846593-001	3.2.2-MU2+(P18 or P25 or P53 or P81 or P83)	P9B45B/P 9B45A	LFF	Encrypted	
8000	7.2	SMKP8000S5xeF7.2	NL	P20257-001	3.2.2-MU2+(P18 or P25 or P53 or P81 or P83)	R3R47A (TAA compliant)	LFF	Encrypted	TAA Compliant
14000	7.2	WLEB14T0S5xeF7.2	NL	P21225-001	3.3.1-MU5+P170, 3.3.2-MU1	R3B18A	LFF	Encrypted	TAA Compliant
15360	100	KPM715T4S5xnFTRI	SSD	P43419-001	OS 3.3.1.MU5 (SID) OS 3.3.1.MU3 (SID) OS 3.3.1.MU2 (SID)	P9M60B	SFF	Encrypted	
15360	100	ARFA15T4S5xnFTRI	SSD	P37623-001	3.3.2, 3.3.1-MU2, 3.2.2-MU6+P168	P9M60B	SFF	Encrypted	
15360	100	KPM615T4S5xnFTRI	SSD	P43419-001	3.3.2, 3.3.1-MU2, 3.3.1-MU3, 3.3.1-MU5	P9M60B	SFF	Encrypted	
15360	100	TPM515T4S5xnFTRI	SSD	P08742-001	3.3.1-MU2+P142, 3.3.1-MU3+P143, 3.3.1-MU5, 3.3.1-GA	P9M60B	SFF	Encrypted	
15360	100	ARFX15T4S5xnFTRI	SSD	P08742-001	3.3.1-MU1+P25, 3.2.2-MU6+(P146 or P154 or P163), 3.2.2-MU4+(P150 or P153 or P164)	P9M60B	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
15360	100	AREA15T4S5xnFTRI	SSD	867545-001	3.2.2.MU4+P50 or P57 or (P59+P74) or P101 or P102 or P121 or P128 or P129 or P141 or P150 or P153 or P164, 3.2.2.MU3+(P49 or P61 or P75 or P89 or P97), 3.2.2-MU2+(P77 or P81 or P83)	P9M60B/P9M60A	SFF	Encrypted	Refer to bulletin a00050179en_us for critical update. Refer to Customer Notice a00075564en_us for spare transitioning. 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**.

Documentation Feedback

Hewlett Packard Enterprise is committed to providing documentation that meets your needs. To help us improve the documentation, use the **Feedback** button and icons (located at the bottom of an opened document) on the Hewlett Packard Enterprise Support Center portal (**https://www.hpe.com/support/hpesc**) to send any errors, suggestions, or comments. All document information is captured by the process.