EMC Unity™ Storage Systems Drive and OE Compatibility Matrix

To function properly drives installed in an EMC Unity™ storage system require that the array be running the minimum required revision of the Operating Environment (OE). This document lists the drive part numbers supported for Unity storage systems and the minimum software revisions required for each drive model.

Notes:

1: The drive part number (PN) appears on a label on the front of the drive carrier. Note that although the OE GUI may display an alpha suffix at the end of the PN (like EFD) these characters are not part of the actual orderable PN.

2: All drives listed in this document are RoHS compliant.

3: Unity drive models use the following prefixes

- D3 = AC storage
- D3FC = AC FAST cache
- D3AF = AC storage when used in All-Flash-Array (AFA)
- D3N = DC NEBS storage
- D3NFC = DC NEBS FAST Cache

4: The 'platform' column identifies the arrays that support that unique drive type or model, even if no longer offered for configuring in new arrays in MyQuotes.

5: All drives from "original" array are supported post DIP upgrade even if not shown as available for new "target" array.

Table 1 Unity 'SAS Flash 2' Drives - For use in FAST Cache, FAST VP or all-Flash-pools

Drive Capacity	Model Numbers (DC NEBS Models)	Part Number	DC NEBS?	Drive Type	Platform (HFA Only)	Minimum OE Revision
200GB	25-slot: D3-2S12FX-200 D3FC-2S12FX-200 (D3N-2S12FX-200) (D3NFC-2S12FX-200)	005051589 005051585 005052253 005052252 005053260 005053261 005053809 005053810	YES YES YES YES YES YES YES YES	12Gb SAS SSD	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
	80-slot: D3-D2S12FX-200 D3FC-D2S12FX-200	005051589 005051585 005052253 005052252 005053260 005053261 005053809 005053810	NO NO NO NO NO NO NO NO	12Gb SAS SSD	Unity 300 Unity 400 Unity 500 Unity 600	4.2.0.9392909
	12-slot: D3-PS12FX-200 D3FC-PS12FX-200	005051547 005051543 005052236 005052237 005053244 005053245 005053794 005053793	NO NO NO NO NO NO NO NO	12Gb SAS SSD	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
	15-slot: D3-VS12FX-200 D3FC-VS12FX-200	005051581 005051577 005052244 005052245 005053252 005053253 005053801 005053802	NO NO NO NO NO NO NO NO	12Gb SAS SSD	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
400GB	25-slot: D3-2S12FX-400 D3FC-2S12FX-400 (D3N-2S12FX-400) (D3NFC-2S12FX-400)	005051590 005051586 005052254 005052255 005053262 005053263 005053811 005053812	YES YES YES YES YES YES YES YES	12Gb SAS SSD	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
	80-slot: D3-D2S12FX-400 D3FC-D2S12FX-400	005051590 005051586 005052254	NO NO NO	12Gb SAS SSD	Unity 300 Unity 400 Unity 500	4.2.0.9392909

Drive Capacity	Model Numbers (DC NEBS Models)	Part Number	DC NEBS?	Drive Type	Platform (HFA Only)	Minimum OE Revision
		005052255 005053262 005053263 005053811 005053812	NO NO NO NO NO		Unity 600	
	12-slot: D3-PS12FX-400 D3FC-PS12FX-400	005051548 005051544 005052238 005052239 005053246 005053247 005053796 005053795	NO NO NO NO NO NO NO NO	12Gb SAS SSD	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
	15-slot: D3-VS12FX-400 D3FC-VS12FX-400	005051582 005051578 005052246 005052247 005053254 005053255 005053803 005053804	NO NO NO NO NO NO NO NO	12Gb SAS SSD	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
800GB	25-slot: D3-2S12FX-800 D3FC-2S12FX-800 (D3N-2S12FX-800) (D3NFC-2S12FX-800)	005051591 005051587 005052257 005052256 005053264 005053266 005053813 005053814	YES YES YES YES YES YES YES YES	12Gb SAS SSD	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
	80-slot: D3-D2S12FX-800 D3FC-D2S12FX-800	005051591 005051587 005052257 005052256 005053264 005053266 005053813 005053814	NO NO NO NO NO NO NO NO	12Gb SAS SSD	Unity 300 Unity 400 Unity 500 Unity 600	4.2.0.9392909
	12-slot: D3-PS12FX-800 D3FC-PS12FX-800	005051549 005051545 005052240 005052241 005053248 005053249 005053798 005053797	NO NO NO NO NO NO NO NO	12Gb SAS SSD	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527

Drive Capacity	Model Numbers (DC NEBS Models)	Part Number	DC NEBS?	Drive Type	Platform (HFA Only)	Minimum OE Revision
	15-slot: D3-VS12FX-800 D3FC-VS12FX-800	005051583 005051579 005052248 005052249 005053256 005053257 005053805 005053806	NO NO NO NO NO NO NO NO	12Gb SAS SSD	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
1.6TB	25-slot: D3-2S12FX-1600 (D3N-2S12FX-1600) *Not used in FAST Cache*	005051592 005051588 005052259 005052258 005053267 005053268 005053815 005053816	YES YES YES YES YES YES YES YES	12Gb SAS SSD	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
	80-slot: D3-D2S12FX-1600 *Not used in FAST Cache*	005051592 005051588 005052259 005052258 005053267 005053268 005053815 005053816	NO NO NO NO NO NO NO NO	12Gb SAS SSD	Unity 300 Unity 400 Unity 500 Unity 600	4.2.0.9392909
	12-slot: D3-PS12FX-1600 *Not used in FAST Cache*	005051550 005051546 005052242 005052243 005053250 005053251 005053799 005053800	NO NO NO NO NO NO NO NO	12Gb SAS SSD	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
	15-slot: D3-VS12FX-1600 *Not used in FAST Cache*	005051584 005051580 005052250 005052251 005053258 005053259 005053807 005053808	NO NO NO NO NO NO NO NO	12Gb SAS SSD	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527

Table 2 Unity 'SAS Flash 3' Drives - For use in FASTVP & all-Flash-pools

Drive Capacity	Model Numbers (DC NEBS Models)	Part number	DC NEBS?	Drive type	Platform	Minimum OE Revision
400 GB **[1]**	25-slot: D3-2S12FXL-400 D3F-2S12FXL-400 (D3NF-2SFXL-400)	005052152 005052151 005052394 005052393 005052670 005052669 005052858 005052859 005053695 005053694 005053748 005053749	YES YES YES YES YES YES YES YES NO NO YES YES	12Gb SAS SSD	Unity 300, 300F, 350F Unity 400, 400F, 450F Unity 500, 500F, 550F Unity 600, 600F, 650F	4.0.0.7329527
	80-slot: D3-D2S12FXL-400 D3F-D2S12FXL-400	005052152 005052151 005052394 005052393 005052670 005052669 005052858 005052859 005053701 005053700 005053748 005053749	NO NO NO NO NO NO NO NO NO NO NO NO	12Gb SAS SSD	Unity 300, 300F, 350F Unity 400, 400F, 450F Unity 500, 500F, 550F Unity 600, 600F, 650F	4.2.0.9392909
800GB	25-slot: D3-2S12FXL-800 D3F-2S12FXL-800 (D3NF-2SFXL-800)	005052157 005052156 005052396 005052395 005052576 005052577 005052860 005052861 005053697 005053696 005053750 005053751	YES YES YES YES YES YES YES YES NO NO YES YES	12Gb SAS SSD	Unity 300, 300F, 350F Unity 400, 400F, 450F Unity 500, 500F, 550F Unity 600, 600F, 650F	4.0.0.7329527 4.1.0.8959731 Required for FAST VP Mixed Pools
	80-slot: D3-D2S12FXL-800 D3F-D2S12FXL-800	005052157 005052156 005052396 005052395 005052576 005052577 005052860 005052861 005053697 005053696 005053750 005053751	NO NO NO NO NO NO NO NO NO NO NO NO	12Gb SAS SSD	Unity 300, 300F, 350F Unity 400, 400F, 450F Unity 500, 500F, 550F Unity 600, 600F, 650F	4.2.0.9392909

Drive Capacity	Model Numbers (DC NEBS Models)	Part number	DC NEBS?	Drive type	Platform	Minimum OE Revision
1.6TB	25-slot: D3-2S12FXL-1600 D3F-2S12FXL-1600 (D3NF-2SFXL-800)	005052159 005052158 005052398 005052397 005052578 005052579 005052862 005052863 005053699 005053698 005053752 005053753	YES YES YES YES YES YES YES YES NO NO YES YES	12Gb SAS SSD	Unity 300, 300F, 350F Unity 400, 400F, 450F Unity 500, 500F, 550F Unity 600, 600F, 650F	4.0.0.7329527 4.1.0.8959731 Required for FAST VP Mixed Pools
	80-slot: D3-D2S12FXL-1600 D3F-D2S12FXL-1600	005052159 005052158 005052398 005052397 005052578 005052579 005052862 005052863 005053699 005053698 005053752 005053753	NO NO NO NO NO NO NO NO NO NO NO NO	12Gb SAS SSD	Unity 300, 300F, 350F Unity 400, 400F, 450F Unity 500, 500F, 550F Unity 600, 600F, 650F	4.2.0.9392909
3.2TB	25-slot: D3-2S12FXL-3200 D3F-2S12FXL-3200 (D3N-2S12FXL-3200)	005051740 005051739 005052377 005052378 005052580 005052581 005053582 005053583 005053701 005053700 005053754 005053755	YES YES YES YES YES YES YES YES NO NO YES YES	12Gb SAS SSD	Unity 300, 300F Unity 400, 400F Unity 500, 500F Unity 600, 600F	4.0.0.7329527 4.1.0.8959731 Required for FAST VP Mixed Pools
	80-slot: D3-D2S12FXL-3200 D3F-D2S12FXL-3200	005051740 005051739 005052377 005052378 005052580 005052581 005053582 005053583 005053701 005053700	NO NO NO NO NO NO NO NO NO NO	12Gb SAS SSD	Unity 300, 300F Unity 400, 400F Unity 500, 500F Unity 600, 600F	4.2.0.9392909

Drive Capacity	Model Numbers (DC NEBS Models)	Part number	DC NEBS?	Drive type	Platform	Minimum OE Revision
		005053754 005053755	NO NO			

[1] Note: Unlike 800GB, 1.6TB & 3.2TB, the 400GB SAS FLASH 3 SSD is not supported in FAST VP mixed pools. Configure 400GB SAS FLASH 2 for mixed pool use.

Table 3 Unity 'SAS Flash 4' Drives - For use in all-Flash-pools only.

Drive Capacity	Model Numbers (DC NEBS Models)	Part number	DC NEBS?	Drive type	Platform	Minimum OE Revision
1920GB	25-slot: D3F-2SFXL2-1920	005052522 005052521 005052582 005052583 005052867 005052866 005053689 005053688 005053728 005053729	YES YES YES YES YES YES YES YES NO NO	12Gb SAS SSD	Unity 300F, 350F Unity 400F, 450F Unity 500F, 550F Unity 600F, 650F	4.2.0.9392909
	80-slot: D3F-D2SFXL2-1920	005052522 005052521 005052582 005052583 005052867 005052866 005053689 005053688 005053728 005053729	NO NO NO NO NO NO NO NO NO NO	12Gb SAS SSD	Unity 300F, 350F Unity 400F, 450F Unity 500F, 550F Unity 600F, 650F	4.2.0.9392909
3840GB	25-slot: D3F-2SFXL2-3840 (D3NF-2SFXL2-3840)	005052155 005052154 005052379 005052380 005052584 005052585 005052868 005052869 005053691 005053690 005053730 005053731	NO NO YES YES YES YES YES YES YES YES NO NO	12Gb SAS SSD	Unity 300F, 350F Unity 400F, 450F Unity 500F, 550F Unity 600F, 650F	4.0.1.8404134

Drive Capacity	Model Numbers (DC NEBS Models)	Part number	DC NEBS?	Drive type	Platform	Minimum OE Revision
	80-slot: D3F-D2SFXL2-3840	005052155 005052154 005052379 005052380 005052584 005052585 005052868 005052869 005053691 005053690 005053730 005053731	NO NO NO NO NO NO NO NO NO NO NO NO	12Gb SAS SSD	Unity 300F, 350F Unity 400F, 450F Unity 500F, 550F Unity 600F, 650F	4.2.0.9392909
7680GB	25-slot: D3F-2SFXL2-7680 (D3NF-2SFXL2-7680)	005052113 005052112 005052557 005052556 005052870 005052871 005053693 005053692 005053732 005053733	YES YES YES YES YES YES YES YES NO NO	12Gb SAS SSD	Unity 300, 300F, 350F Unity 400, 400F, 450F Unity 500, 500F, 550F Unity 600, 600F, 650F	4.0.1.8320161
	80-slot: D3F-D2SFXL2-7680	005052113 005052112 005052557 005052556 005052870 005052871 005053693 005053692 005053732 005053733	NO NO NO NO NO NO NO NO NO NO	12Gb SAS SSD	Unity 300, 300F, 350F Unity 400, 400F, 450F Unity 500, 500F, 550F Unity 600, 600F, 650F	4.2.0.9392909
15360GB	25-slot: D3F-2SFXL2-15360 (D3NF-2SFXL2-15360)	005052129 005052128 005052559 005052558 005053657 005053656 005053734 005053735	YES YES YES YES YES YES NO NO	12Gb SAS SSD	Unity 300, 300F, 350F Unity 400, 400F, 450F Unity 500, 500F, 550F Unity 600, 600F, 650F	4.1.0.8959731
	80-slot: D3F-D2SFXL2-15360	005052129 005052128 005052559 005052558 005053657 005053656	NO NO NO NO NO NO	12Gb SAS SSD	Unity 300, 300F, 350F Unity 400, 400F, 450F Unity 500, 500F, 550F Unity 600, 600F, 650F	4.2.0.9392909

Drive Capacity	Model Numbers (DC NEBS Models)	Part number	DC NEBS?	Drive type	Platform	Minimum OE Revision
		005053734 005053735	NO NO			

Table 4 Unity Spinning Drives

Drive Capacity	Model Numbers (DC NEBS Models)	Part Number	DC NEBS?	Drive Type	Platform (HFA Only)	Minimum OE Revision
600GB 10K	25-slot: D3-2S10-600 (D3N-2S10-600) Not for use in 80-disk DAE!	005051634 005051631 005053139 005053138 005053354 005053357	YES YES YES YES NO NO	12Gb SAS 10K	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
	80-slot: D3-D2S10-600	005033720 005033717 005053333 005053332 005053376 005053373	NO NO NO NO NO NO	12Gb SAS 10K	Unity 300 Unity 400 Unity 500 Unity 600	4.2.0.9392909
	12-slot: D3-PS10-600	005051564 005051561 005053145 005053144 005053342 005053345	NO NO NO NO NO NO	12Gb SAS 10K	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
	15-slot: D3-VS10-600	005051628 005051625 005053133 005053132 005053348 005053351	NO NO NO NO NO NO	12Gb SAS 10K	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
600GB 15K	25-slot: D3-2S15-600 (D3N-2S15-600)	005051608 005051606 005053479 005053480	YES YES YES YES	12Gb SAS 15K	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
	80-slot: D3-D2S15-600	005051608 005051606 005053479 005053480	NO NO NO NO	12Gb SAS 15K	Unity 300 Unity 400 Unity 500 Unity 600	4.2.0.9392909
	12-slot: D3-PS15-600	005051554 005051552 005053481 005053482	NO NO NO NO	12Gb SAS 15K	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527

Drive Capacity	Model Numbers (DC NEBS Models)	Part Number	DC NEBS?	Drive Type	Platform (HFA Only)	Minimum OE Revision
	15-slot: D3-VS15-600	005051604 005051602 005053477 005053478	NO NO NO NO	12Gb SAS 15K	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
1.2TB 10K	25-slot: D3-2S10-1200 (D3N-2S10-1200) Not for use in 80-disk DAE!	005051635 005051632 005053141 005053140 005053355 005053358	YES YES YES YES NO NO	12Gb SAS 10K	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
	80-slot: D3-D2S10-1200	005033721 005033718 005053335 005053334 005053377 005053374	NO NO NO NO NO NO	12Gb SAS 10K	Unity 300 Unity 400 Unity 500 Unity 600	4.2.0.9392909
	12-slot: D3-PS10-1200	005051565 005051562 005053147 005053146 005053343 005053346	NO NO NO NO NO NO	12Gb SAS 10K	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
	15-slot: D3-VS10-1200	005051629 005051626 005053135 005053134 005053349 005053352	NO NO NO NO NO NO	12Gb SAS 10K	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
1.8TB 10K	25-slot: D3-2S10-1800 (D3N-2S10-1800) Not for use in 80-disk DAE!	005051636 005051633 005053143 005053142 005053356 005053359	YES YES YES YES NO NO	12Gb SAS 10K	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
	80-slot: D3-D2S10-1800	005033722 005033719 005053337 005053336 005053378 005053375	NO NO NO NO NO NO	12Gb SAS 10K	Unity 300 Unity 400 Unity 500 Unity 600	4.2.0.9392909

Drive Capacity	Model Numbers (DC NEBS Models)	Part Number	DC NEBS?	Drive Type	Platform (HFA Only)	Minimum OE Revision
	12-slot: D3-PS10-1800	005051566 005051563 005053149 005053148 005053344 005053347	NO NO NO NO NO NO	12Gb SAS 10K	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
	15-slot: D3-VS10-1800	005051630 005051627 005053137 005053136 005053350 005053353	NO NO NO NO NO NO	12Gb SAS 10K	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
2TB NLSAS	12-slot: D3-PS07-2000	005051558 005051555 005052428 005052427 005053114 005053115	NO NO NO NO NO NO	12Gb NLSAS	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
	15-slot: D3-VS07-2000	005051616 005051613 005052434 005052433 005053108 005053109	NO NO NO NO NO NO	12Gb NLSAS	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
4TB NLSAS	12-slot: D3-PS07-4000	005051559 005051556 005052430 005052429 005053116 005053117	NO NO NO NO NO NO	12Gb NLSAS	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
	15-slot: D3-VS07-4000	005051617 005051614 005052436 005052435 005053110 005053111	NO NO NO NO NO NO	12Gb NLSAS	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
6TB NLSAS	12-slot: D3-PS07-6000	005051560 005051557 005052432 005052431 005053118 005053119	NO NO NO NO NO NO	12Gb NLSAS	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527
	15-slot: D3-VS07-6000	005051618 005051615 005052438 005052437 005053112 005053113	NO NO NO NO NO NO	12Gb NLSAS	Unity 300 Unity 400 Unity 500 Unity 600	4.0.0.7329527

Drive Capacity	Model Numbers (DC NEBS Models)	Part Number	DC NEBS?	Drive Type	Platform (HFA Only)	Minimum OE Revision
12TB	15-slot: D3-VS07-12000	‘005053485 005053486	NO NO	12Gb NLSAS	Unity 300 Unity 400 Unity 500 Unity 600	5.0.0.0.5.116

Table 4 Unity Drive Capacities

Pre-RAID Usable GB *		
RAW **	**DATA**	**SYSTEM**
200GB	183.4132	N/A
400GB	366.7665	260.3465
600GB	550.2822	443.8622
800GB	733.5643	627.1443
1.2TB	1100.5857	994.1657
1.6TB	1467.4546	1361.0346
1.8TB	1650.8891	1544.4691
1.92TB	1751.9000	1645.4800
2TB	1834.3236	1727.9036
3.2TB	2919.9688	2813.5488
3.84TB	3503.9688	3387.5488
4TB	3668.6686	3562.2486
6TB	5503.0135	5396.5935
7.68TB	7006.9688	6900.5488
15.36TB	14014.9688	13908.5488

* GB = Base-2 GiB (1024 x 1024 x 1024)

** GB/TB = Base-10

*** If used in DPE slots 0-3 or a RAID group with these drives in it

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