



EMC® VNX 5200, VNX5400, VNX5600, VNX5800, VNX7600 and VNX8000

Series Storage Systems

Disk and OE Matrix

P/N 302-000-318

To function properly, disks in an EMC® VNX® system require that each storage processor run minimum revisions of the EMC VNX Operating Environment (VNX OE). This document lists the disk part numbers supported for EMC VNX series storage systems and the minimum software revisions required for each disk model.



CAUTION

Verify that the proper version of VNX OE is running on the storage system before installing any disk drives. Results ranging from non-recognition of the drives to data loss may occur if an improper VNX OE version is installed.

Before installing a new disk in a storage system, use the EMC Unisphere™ Manager to determine the VNX OE revision running on the storage system. In Unisphere Manager, the VNX OE revision appears on the **Software** tab of the **Storage System Properties** dialog box for the storage system. If this revision is lower than the minimum VNX OE revision required for the disk as listed in [Table 1](#) or [Table 2](#) you must upgrade the VNX OE on the storage system before installing the disk. EMC recommends that you upgrade VNX OE using the wizards in the System Software section of the Unisphere Service Manager (USM).

Note 1: Changes and additions in the tables since the last revision of this document are noted in **red** type.

Note 2: The disk part number (PN) appears on a label on the front of the disk carrier. Note that although the OE GUI may display an alpha suffix at the end of the PN (like PWR or SSD) these characters are not part of the actual orderable PN.

Note 3: PNs in tables with a 'YES' entry in the Spin-Down Support column may report a suffix of PWR through the OE GUI (EX: 005049278PWR). This PWR suffix is used by the OE and is not part of the actual orderable PN.

VNX series storage systems

Note 4: All PN's within this document are RoHS compliant

Table 1 Standard 6Gb SAS HDD disk modules - Minimum VNX OE revisions required

Disk Capacity	Model Number	Part Number	NEBS?	Spin-Down Support	Drive Type	Spindle Speed	Platform	Minimum OE Software Revision
4 TB	V4-VS07-040 N4-VS07-040 15-disk	005050748	YES	YES	6Gb SAS 3.5"	7.2K rpm	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
		005050148	YES	YES				
		005050749	YES	YES				
		005050149	YES	YES				
		005050552	NO	YES				
		005050953	NO	YES				
		005052065	NO	YES				
		005052064	NO	YES				
	005052468	NO	YES					
	005052469	NO	YES					
	V4-DS07-040 N4-DS07-040 60-disk	005050750	YES	YES	6Gb SAS 3.5"	7.2K rpm	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
		005050150	YES	YES				
		005050555	NO	YES				
		005050955	NO	YES				
		005052081	NO	YES				
		005052080	NO	YES				
005052476		NO	YES					
005052477		NO	YES					
3 TB	V4-VS07-030 N4-VS07-030 15-disk	005049278	NO	YES	6Gb SAS 3.5"	7.2K rpm	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
		005049280	NO	YES				
		005049453	YES	YES				
		005049454	YES	YES				
		005049943	NO	YES				
		005050331	NO	YES				
		005050332	NO	YES				
		005050744	YES	YES				
		005050144	YES	YES				
		005050745	YES	YES				
		005050145	NO	YES				
		005050553	NO	YES				
	005050949	NO	YES					
	005052063	NO	YES					
	005052062	NO	YES					
	005052466	NO	YES					
	005052467	NO	YES					
	V4-DS07-030 N4-DS07-030 60-disk	005049210	NO	YES	6Gb SAS 3.5"	7.2K rpm	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
		005049930	NO	YES				
		005050746	YES	YES				
		005050146	YES	YES				
		005050556	NO	YES				
		005050951	NO	YES				
		005052079	NO	YES				
005052078		NO	YES					
005052474		NO	YES					
005052475		NO	YES					

Disk Capacity	Model Number	Part Number	NEBS?	Spin-Down Support	Drive Type	Spindle Speed	Platform	Minimum OE Software Revision
2 TB	V4-VS07-020 N4-VS07-020 15-disk	005049449	YES	YES	6Gb SAS 3.5"	7.2K rpm	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
		005049450	YES	YES				
		005049496	YES	YES				
		005049497	YES	YES				
		005050037	NO	YES				
		005050290	NO	YES				
		005050329	NO	YES				
		005050330	NO	YES				
		005050740	YES	YES				
		005050140	YES	YES				
		005049829	NO	YES				
		005050554	NO	YES				
		005050945	NO	YES				
		005052061	NO	YES				
	005052060	NO	YES					
	005052464	NO	YES					
	005052465	NO	YES					
	V4-DS07-020 N4-DS07-020 60-disk	005049750	NO	YES	6Gb SAS 3.5"	7.2K rpm	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
		005049499	NO	YES				
		005050289	NO	YES				
005050742		YES	YES					
005050142		YES	YES					
005050557		NO	YES					
005050947		NO	YES					
005052067		NO	YES					
005052066		NO	YES					
005052472		NO	YES					
005052473	NO	YES						
1.2 TB	V4-VS10-012 N4-VS10-012 15-disk	005050826	YES	YES	6Gb SAS 3.5"	10K rpm	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
		005050082	YES	YES				
		005051456	YES	YES				
		005051455	YES	YES				
		005051946	NO	YES				
		005051949	NO	YES				
		005052296	NO	YES				
		005052295	NO	YES				
	V4-2S10-012 N4-2S10-012 25-disk	005050828	YES	YES	6Gb SAS 2.5"	10K rpm	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
		005050084	YES	YES				
		005051470	YES	YES				
		005051469	YES	YES				
		005051959	NO	YES				
		005051960	NO	YES				
005052304	NO	YES						
005052303	NO	YES						

VNX series storage systems

Disk Capacity	Model Number	Part Number	NEBS?	Spin-Down Support	Drive Type	Spindle Speed	Platform	Minimum OE Software Revision
	V4-DS10-012 N4-DS10-012 60-disk	005050830 005050086 005051482 005051481 005051971 005051972 005052316 005052315	YES YES NO NO NO NO NO NO	YES YES YES YES YES YES YES YES	6Gb SAS 3.5"	10K rpm	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
	V4-D2S10-012 120-disk	005050828 005050084 005051470 005051469 005051959 005051960 005052304 005052303	NO NO NO NO NO NO NO NO	YES YES YES YES YES YES YES YES	6Gb SAS 2.5"	10K rpm	VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.006.5.096 File: 8.1.6.96
1 TB	V4-2S07-010 N4-2S07-010 25-disk	005050606 005050550 005051643 005051644	YES YES NO NO	YES YES YES YES	6Gb SAS 2.5"	7.2K rpm	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
900 GB	V4-VS10-900 N4-VS10-900 15-disk	005049205 005049302 005049956 005049924 005049806 005049807 005050346 005050347 005050206 005050209 005050695 005051454 005051453 005051944 005051943 005052294 005052293	YES YES YES YES YES YES NO NO YES NO YES NO NO NO NO NO NO	YES NO NO YES YES YES YES YES YES YES YES YES YES YES YES YES YES	6Gb SAS 3.5"	10K rpm	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
	V4-2S10-900 N4-2S10-900 25-disk	005049206 005049295 005049951 005049925 005049809 005050349 005050701 005050704 005050212	YES YES YES YES YES YES YES NO YES YES	YES NO YES YES YES YES YES YES YES YES	6Gb SAS 2.5"	10K rpm	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15

Disk Capacity	Model Number	Part Number	NEBS?	Spin-Down Support	Drive Type	Spindle Speed	Platform	Minimum OE Software Revision
600 GB		005050215	NO	YES				
		005051468	NO	YES				
		005051467	NO	YES				
		005051958	NO	YES				
		005051957	NO	YES				
		005052302	NO	YES				
		005052301	NO	YES				
	V4-DS10-900 N4-DS10-900 60-disk	005049813	YES	YES	6Gb SAS 3.5"	10K rpm	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
		005050352	YES	YES				
		005049207	YES	YES				
		005049926	YES	YES				
		005050706	YES	YES				
		005050217	YES	YES				
		005051480	NO	YES				
		005051479	NO	YES				
		005051970	NO	YES				
		005051969	NO	YES				
		005052314	NO	YES				
	005052313	NO	YES					
	V4-D2S10-900 120-disk	005051468	NO	YES	6Gb SAS 3.5"	10K rpm	VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.006.5.096 File: 8.1.6.96
		005051467	NO	YES				
		005049809	NO	YES				
		005050349	NO	YES				
		005050701	NO	YES				
		005050212	NO	YES				
		005051958	NO	YES				
		005051957	NO	YES				
		005052302	NO	YES				
		005052301	NO	YES				
		V4-VS15-600 N4-VS15-600 15-disk	005049274	YES				
005049272	YES		NO					
005049675	YES		YES					
005049677	YES		YES					
005050928	NO		YES					
005050927	NO		YES					
005050855	NO		YES					
005050854	NO		YES					

VNX series storage systems

Disk Capacity	Model Number	Part Number	NEBS?	Spin-Down Support	Drive Type	Spindle Speed	Platform	Minimum OE Software Revision
	V4-VS10-600 N4-VS10-600 15-disk	005049202 005049818 005050284 005050281 005049801 005049802 005050342 005050343 005050694 005050697 005050205 005050208 005051452 005051451 005051446 005051445 005051942 005051941 005052292 005052291	YES YES NO NO YES YES YES NO YES NO YES NO NO NO NO NO NO NO NO NO NO	NO NO YES YES YES YES YES YES YES YES YES YES YES YES YES YES YES YES YES YES			VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
	V4-2S15-600 N4-2S15-600 25-disk	005050936 005050935 005050847 005050846		NO YES YES	6Gb SAS 2.5"	15K rpm	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.081 File: 8.1.3.79
	V4-DS15-600 60-disk	005050943 005050944 005050870 005050869	NO NO NO NO	YES YES	6Gb SAS 2.5"	15K rpm	VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.081 File: 8.1.3.79
	V4-D2S15-600 120-disk	005050936 005050935 005050847 005050846	NO NO NO NO	YES YES YES YES	6Gb SAS 2.5"	15K rpm	VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.006.5.096 File: 8.1.6.96
	V4-2S10-600 N4-2S10-600 25-disk	005049203 005049820 005050285 005050282 005049804 005050344 005050700 005050703 005050211 005050214 005051466	YES YES NO NO YES YES YES NO YES NO NO	NO NO YES YES YES YES YES YES YES YES YES			VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15

Disk Capacity	Model Number	Part Number	NEBS?	Spin-Down Support	Drive Type	Spindle Speed	Platform	Minimum OE Software Revision
300 GB		005051465	NO	YES				
		005051460	NO	YES				
		005051459	NO	YES				
		005051956	NO	YES				
		005051955	NO	YES				
		005052300	NO	YES				
		005052299	NO	YES				
	V4-DS10-600 N4-DS10-600 60-disk	005049812	YES	YES	6Gb SAS 3.5"	10K rpm	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
		005050351	YES	YES				
		005049204	YES	YES				
		005050283	YES	NO				
		005050705	YES	NO				
		005050216	YES	YES				
		005051478	NO	YES				
		005051477	NO	YES				
		005051968	NO	YES				
		005051967	NO	YES				
	005052312	NO	YES					
	005052311	NO	NO					
	V4-D2S10-600 120-disk	005051466	NO	YES	6Gb SAS 2.5"	10K rpm	VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.006.5.096 File: 8.1.6.96
		005051465	NO	YES				
		005049804	NO	YES				
		005050344	NO	YES				
		005051956	NO	YES				
		005051955	NO	YES				
		005052300	NO	YES				
		005052299	NO	YES				
300 GB	V4-VS15-300 N4-VS15-300 15-disk	005049273	YES	NO	6Gb SAS 3.5"	15K rpm	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
		005049271	YES	NO				
		005049673	YES	YES				
		005049671	YES	YES				
		005050926	NO	YES				
		005050925	NO	YES				
		005050853	NO	YES				
	005050852	NO	YES					
	005049996	NO	YES					
	005050686	NO	YES					
	V4-2S15-300 N4-2S15-300 25-disk	005050604	YES	YES	6Gb SAS 2.5"	15K rpm	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
		005050548	YES	YES				
		005050934	NO	YES				
005050933		NO	YES					
005050845		NO	YES					
005050844	NO	YES						
300 GB	V4-DS15-300 N4-DS15-300 60-disk	005050002	YES	YES	6Gb SAS 3.5"	15K rpm	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
		005050547	YES	YES				
		005050941	NO	YES				
		005050942	NO	YES				
		005050868	NO	YES				
		005050871	NO	YES				

VNX series storage systems

Disk Capacity	Model Number	Part Number	NEBS?	Spin-Down Support	Drive Type	Spindle Speed	Platform	Minimum OE Software Revision
	V4-D2S15-300 120-disk	005050604 005050548 005050934 005050933 005050845 005050844	NO NO NO NO NO NO	YES YES YES YES YES YES	6Gb SAS 2.5"	15K rpm	VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.006.5.096 File: 8.1.6.96

Table 2a - VNX 'SAS Flash' SSD

For use in FAST Cache, FAST VP or all-Flash-pools

Disk Capacity	Model Number	Part Number	NEBS?	Drive Type	Spindle Speed	Platform	Minimum OE Software Revision
200 GB	V4-VS6F-200 N4-VS6F-200 FLV4VS6F-200 FLN4VS6F-200 15-disk	005050184 005050186 005050362 005050364 005050498 005050499 005051193 005051191	YES NO YES NO YES YES NO NO	6Gb SAS 3.5" SSD	N/A	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
	V4-2S6F-200 N4-2S6F-200 FLV42S6F-200 FLN42S6F-200 25-disk	005049622 005050188 005050368 005050366 005050502 005050503 005051197 005051195	YES NO YES YES YES YES NO NO	6Gb SAS 2.5" SSD	N/A	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
	V4-DS6F-200 N4-DS6F-200 FLV4DS6F-200 FLN4DS6F-200 60-disk	005050190 005050370 005050505 005051201 005051199	YES YES YES NO NO	6Gb SAS 3.5" SSD	N/A	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15
	V4-D2S6F-200 FLV4D2S6F-200 120-disk	005050502 005051197 005051195	NO NO NO	6Gb SAS 2.5" SSD	N/A	VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.006.5.096 File: 8.1.6.96

Disk Capacity	Model Number	Part Number	NEBS?	Drive Type	Spindle Speed	Platform	Minimum OE Software Revision
100GB	V4-VS6F-100 V4-VS6F-100 FLV4VS6F-100 FLV4VS6F-100 15-disk	005050183	YES	6Gb SAS 3.5" SSD	N/A	VNX5200	Block: 05.33.000.5.015 File: 8.1.0.15
		005050185	NO			VNX5400	
		005050361	YES			VNX5600	
		005050363	NO			VNX5800	
		005050496	YES			VNX7600	
		005050497	YES			VNX8000	
		005051380	NO				
		005051379	NO				
	V4-2S6F-100 V4-2S6F-100 FLV42S6F-100 FLN42S6F-100 25-disk	005049621	YES	6Gb SAS 2.5" SSD	NA	VNX5200	Block: 05.33.000.5.015 File: 8.1.0.15
		005050187	NO			VNX5400	
		005050367	YES			VNX5600	
		005050365	NO			VNX5800	
		005050500	YES			VNX7600	
		005050501	YES			VNX8000	
		005051388	NO				
		005051387	NO				
	V4-DS6F-100 N4-DS6F-100 FLV4DS6F-100 FLN4DS6F-100 60-disk	005050369	YES	6Gb SAS 3.5" SSD	NA	VNX5200	Block: 05.33.000.5.015 File: 8.1.0.15
		005050504	YES			VNX5400	
		005051396	NO			VNX5600	
		005051395	NO			VNX5800	
						VNX7600	
			VNX8000				
	V4-D2S6F-100 FLV4D2S6F-100 120-disk	005050500	NO	6Gb SAS 2.5" SSD	N/A	VNX5400	Block: 05.33.006.5.096 File: 8.1.6.96
		005051388	NO			VNX5600	
		005051387	NO			VNX5800	
				VNX7600			
				VNX8000			

Table 2b - VNX 'SAS FLASH 2' SSD (formerly known as SAS FLASH VP)

For use in FAST Cache, FAST VP or all-Flash-pools

Note Min-OE required for use of 200GB or 400GB as FAST Cache

Disk Capacity	Model Number	Part Number	NEBS?	Drive Type	Spindle Speed	Platform	Minimum OE Software Revision
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VNX series storage systems

Disk Capacity	Model Number	Part Number	NEBS?	Drive Type	Spindle Speed	Platform	Minimum OE Software Revision
1600GB	V4-VS6FX-1600 N4-VS6FX-1600 15-disk	005051158 005051159	YES YES	6Gb SAS 3.5" SSD	NA	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.081 File: 8.1.3.79
	V4-2S6FX-1600 N4-2S6FX-1600 25-disk	005051141 005051126 005052229 005052228	YES YES NO NO	6Gb SAS 2.5" SSD	NA	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.081 File: 8.1.3.79
	F5000 & F7000 Bundles	005051141 005051126	NO NO	6Gb SAS 2.5" SSD	NA	VNX-F5000 VNX-F7000	Block: 05.33.005.5.081
	V4-DS6FX-1600 60-disk	005051127 005051128	NO NO	6Gb SAS 3.5" SSD	NA	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.081 File: 8.1.3.79
	V4-D2S6FX-1600 120-disk	005051141 005051126 005052229 005052228	NO NO NO NO	6Gb SAS 2.5" SSD	NA	VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.006.5.096 File: 8.1.6.96
800 GB	V4-VS6FX-800 N4-VS6FX-800 15-disk	005050784 005050783 005051160 005051161	NO NO YES YES	6Gb SAS 2.5" SSD	NA	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.072 File: 8.1.3.72
	V4-2S6FX-800 N4-2S6FX-800 25-disk	005050800 005050785 005051129 005051130 005052221 005052220	NO NO YES YES NO NO	6Gb SAS 2.5" SSD	NA	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.072 File: 8.1.3.72

VNX series storage systems

Disk Capacity	Model Number	Part Number	NEBS?	Drive Type	Spindle Speed	Platform	Minimum OE Software Revision
	F5000 & F7000 Bundles	005050800	NO	6Gb SAS 2.5" SSD	NA	VNX-F5000 VNX-F7000	Block: 05.33.005.5.081
		005050785	NO				
		005051129	NO				
		005051130	NO				
	V4-DS6FX-800 60-disk	005050812	NO	6Gb SAS 2.5" SSD	NA	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.072 File: 8.1.3.72
		005050811	NO				
		005051131	NO				
		005051132	NO				
		005051132	NO				
V4-D2S6SFX-800 120-disk	005050800	NO	6Gb SAS 2.5" SSD	NA	VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.006.5.096 File: 8.1.6.96	
	005050785	NO					
	005051129	NO					
	005051130	NO					
	005052221	NO					
	005052220	NO					
400GB	V4-VS6FX-400 N4-VS6FX-400 FLV4VS6FX-400 FLN4VS6FX-400 15-disk	005050114	YES	6Gb SAS 3.5" SSD	N/A	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15 Minimum OE version for use as FAST Cache : Block 05.33.009.5.155 File 8.1.9.155
		005050527	YES				
		005051162	NO				
		005051163	NO				
		005051163	NO				
	V4-2S6FX-400 N4-2S6FX-400 FLV42S6FX-400 FLN42S6FX-400 25-disk	005050600	YES	6Gb SAS 2.5" SSD	N/A	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15 Minimum OE version for use as FAST Cache : Block 05.33.009.5.155 File 8.1.9.155
		005050524	YES				
		005051133	NO				
		005051134	NO				
V4-DS6FX-400 N4-DS6FX-400 FLV4DS6FX-400 FLN4DS6FX-400 60-disk	005050117	YES	6Gb SAS 3.5" SSD	N/A	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15 Minimum OE version for use as FAST Cache : Block 05.33.009.5.155 File 8.1.9.155	
	005050530	YES					
	005051135	NO					
	005051136	NO					
	005051136	NO					

VNX series storage systems

Disk Capacity	Model Number	Part Number	NEBS?	Drive Type	Spindle Speed	Platform	Minimum OE Software Revision
	V4-D2S6FX-400 FLV4D2S6FX-400 120-disk	005050524 005051133 005051134 005050600	NO NO NO NO	6Gb SAS 2.5" SSD	N/A	VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.006.5.096 File: 8.1.6.96 Minimum OE version for use as FAST Cache : Block 05.33.009.5.155 File 8.1.9.155
200GB	V4-VS6FX-200 N4-VS6FX-200 FLV4VS6FX-200 FLN4VS6FX-200 15-disk	005050113 005050526 005051164 005051165	YES YES NO NO	6Gb SAS 3.5" SSD	N/A	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15 Minimum OE version for use as FAST Cache : Block 05.33.009.5.155 File 8.1.9.155
	V4-2S6FX-200 N4-2S6FX-200 FLV42S6FX-200 FLN42S6FX-200 25-disk	005050599 005050523 005051137 005051138	YES YES NO NO	6Gb SAS 2.5" SSD	N/A	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15 Minimum OE version for use as FAST Cache : Block 05.33.009.5.155 File 8.1.9.155
	V4-DS6FX-200 N4-DS6FX-200 FLV4DS6FX-200 FLN4DS6FX-200 60-disk	005050116 005050529 005051139 005051140	YES YES NO NO	6Gb SAS 3.5" SSD	N/A	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15 Minimum OE version for use as FAST Cache : Block 05.33.009.5.155 File 8.1.9.155
	V4-D2S6FX-200 FLV4D2S6FX-200 120-disk	005050523 005051137 005051138 005050599	NO NO NO NO	6Gb SAS 2.5" SSD	N/A	VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.006.5.096 File: 8.1.6.96 Minimum OE version for use as FAST Cache : Block 05.33.009.5.155 File 8.1.9.155
100GB	V4-VS6FX-100 N4-VS6FX-100 15-disk	005050112 005050525 005051804 005051803	YES YES NO NO	6Gb SAS 3.5" SSD	N/A	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block: 05.33.000.5.015 File: 8.1.0.15

Disk Capacity	Model Number	Part Number	NEBS?	Drive Type	Spindle Speed	Platform	Minimum OE Software Revision
	V4-2S6FX-100 N4-2S6FX-100 25-disk	005050598	YES	6Gb SAS 2.5" SSD	NA	VNX5200	Block: 05.33.000.5.015 File: 8.1.0.15
		005050540	YES			VNX5400	
		005051806	NO			VNX5600	
		005051805	NO			VNX5800 VNX7600 VNX8000	
	V4-DS6FX-100 N4-DS6FX-100 60-disk	005050115	YES	6Gb SAS 3.5" SSD	NA	VNX5200	Block: 05.33.000.5.015 File: 8.1.0.15
		005050528	YES			VNX5400	
		005051808	NO			VNX5600	
		005051807	NO			VNX5800 VNX7600 VNX8000	
	V4-D2S6FX-100 120-disk	005050540	NO	6Gb SAS 2.5" SSD	N/A	VNX5400	Block: 05.33.006.5.096 File: 8.1.6.96
		005050598	NO			VNX5600	
		005051806	NO			VNX5800	
		005051805	NO			VNX7600 VNX8000	

Table 2c - VNX 'SAS FLASH 3' SSD

For use in all-Flash-pools only

Disk Capacity	Model Number	Part Number	NEBS?	Drive Type	Spindle Speed	Platform	Minimum OE Software Revision
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VNX series storage systems

Disk Capacity	Model Number	Part Number	NEBS?	Drive Type	Spindle Speed	Platform	Minimum OE Software Revision
3200GB	V4-2S6FXL-3200 25-Disk All Flash Pool	005051740 005051739 005052377 005052378	NO NO NO NO	6Gb SAS 2.5" SSD	NA	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block 05.33.009.5.155 File 8.1.9.155
	V4-D26FXL-3200 120-Disk All Flash Pool	005051740 005051739 005052377 005052378	NO NO NO NO	6Gb SAS 2.5" SSD	NA	VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block 05.33.009.5.155 File 8.1.9.155
1600GB	V4-2S6FXL-1600 25-disk All Flash Pool	005051721 005051723 005052159 005052158 005052398 005052397	NO NO NO NO NO NO	6Gb SAS 2.5" SSD	NA	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block 05.33.009.5.155 File 8.1.9.155
	V4-D2S6FXL-1600 120-disk All Flash Pool	005051721 005051723 005052159 005052158 005052398 005052397	NO NO NO NO NO NO	6Gb SAS 2.5" SSD	NA	VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block 05.33.009.5.155 File 8.1.9.155
800GB	V4-2S6FXL-800 25-disk All Flash Pool	005051719 005051720 005052157 005052156 005052396 005052395	NO NO NO NO NO NO	6Gb SAS 2.5" SSD	NA	VNX5200 VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block 05.33.009.5.155 File 8.1.9.155
	V4-D2S6SFXL-800 120-disk All Flash Pool	005051719 005051720 005052157 005052156 005052396 005052395	NO NO NO NO NO NO	6Gb SAS 2.5" SSD	NA	VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block 05.33.009.5.155 File 8.1.9.155
400 GB	V4-2S6FXL-400 25-disk All Flash Pool	005052151 005052152 005052394	NO NO NO	6Gb SAS 2.5" SSD	N/A	VNX5200 VNX5400 VNX5600	Block 05.33.009.5.155 File 8.1.9.155

Disk Capacity	Model Number	Part Number	NEBS?	Drive Type	Spindle Speed	Platform	Minimum OE Software Revision
		005052393	NO			VNX5800 VNX7600 VNX8000	
	V4-D2S6FXL-400 120-disk All Flash Pool	005052151 005052152 005052394 005052393	NO NO NO NO	6Gb SAS 2.5" SSD	N/A	VNX5400 VNX5600 VNX5800 VNX7600 VNX8000	Block 05.33.009.5.155 File 8.1.9.155

Available disk space

Table 3 lists the usable space for the disks listed in Tables 1 & 2

Usable disk space

Listed Capacity	Disk	Usable Capacity
4TB NLSAS	Disk 0-3 (vault disk)	Not supported as vault disk
	Other Disk	3668.66
3TB NLSAS	Disk 0-3 (vault disk)	Not supported as vault disk
	Other Disk	2751.49
2 TB NLSAS	Disk 0-3 (vault disk)	Not supported as vault disk
	Other Disk	1834.32GB
1.6TB ME SSD	Disk 0-3 (vault disk)	1199.0845GB
	Other Disk	1467.4546GB
1 TB NLSAS	Disk 0-3 (vault disk)	648.78GB
	Other disk	917.1648GB
1.2 TB 10K	Disk 0-3 (vault disk)	832.2155GB
	Other Disk	1100.58GB
900 GB 10K	Disk 0-3 (vault disk)	552.21GB

Listed Capacity	Disk	Usable Capacity
	Other disk	820.6008GB
600 GB 10K or 15K	Disk 0-3 (vault disk)	268.40GB
	Other disk	536.7907GB
300 GB 15K	Disk 0-3 (vault disk)	000.0028GB
	Other disk	268.3865GB
800 GB SSD	Disk 0-3 (vault disk)	465.1942
	Other disk	733.5643
400 GB SSD	Disk 0-3 (vault disk)	98.3964GB
	Other disk	366.7665GB
200 GB SSD	Disk 0-3 (vault disk)	Not supported as vault disk
	Other disk	183.4268GB
100 GB SSD	Disk 0-3 (vault disk)	Not supported as vault disk
	Other disk	91.7096GB

Supported disk-array enclosures

Table 4 lists the disk-array enclosures (DAEs) supported for these VNX storage systems.

Supported disk-array enclosures (DAEs)

DAE type	Model Number
3U 3.5" x 15	VNXB6GSDAE15
2U 2.5" x 25	VNXB6GSDAE25
4U 3.5" x 60	VNXB6GSDAE60

Table 5 lists the disk models supported for the DAEs.

Disk models supported by enclosure (DAE or DPE)

DAE Type	7200RPM	10K RPM	15K RPM	FAST Cache FLASH	FAST -VP FLASH
3U 3.5" x 15 DAE	V4-VS07-xxx	V4-VS10-xxx	V4-VS15-xxx	V4-VS6F-xxx	V4-VS6FX-xxx
2U 2.5" x 25 DAE 3U 2.5" x 25 DPE	V4-2S07-xxx	V4-2S10-xxx	V4-2S15-xxx	V4-2S6F-xxx	V4-2S6FX-xxx
4U 3.5" x 60 DAE	V4-DS07-xxx	V4-DS10-xxx	V4-DS15-xxx	V4-DS6F-xxx	V4-DS6FX-xxx

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