



EMC® CX3 UltraScale Series Storage Systems

Disk and FLARE OE Matrix

P/N 300-009-312

REV A17

Sep 19, 2012

To function properly, disks in an EMC® CLARiiON® system require that each storage processor run minimum revisions of the FLARE® Operating Environment (FLARE OE). This document lists the disk part numbers supported for EMC CX3 UltraScale™ series storage systems and the minimum software revisions required for each disk model.

The disk part number (PN) appears on a label on the front of the disk carrier.



CAUTION

Verify that the proper version of FLARE 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 FLARE OE version is installed.

CX3 series storage systems

Before installing a new disk in a storage system, use the EMC Navisphere® Manager to determine the FLARE OE revision running on the storage system. In Navisphere Manager, the FLARE 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 FLARE OE revision required for the disk as listed in [Table 1](#) or [Table 2](#), you must upgrade FLARE OE on the storage system before installing the disk. EMC recommends that you upgrade FLARE OE with the Software Assistant in the Navisphere Service Taskbar (NST) or use the Navisphere Secure Command Line Interface (CLI).

[Table 1](#) lists the Fibre Channel interface disk modules that you can order with CX3 series storage systems and the minimum FLARE OE required for each system.

[Table 2](#) lists the ATA interface disk modules supported when upgrading from a CX series system to a CX3 series system, which includes support for the DAE2-ATA enclosure. [Table 2](#) also indicates CX3 series support for 2 Gb/15K drive upgrades. These upgrades require the minimum FLARE OE revision indicated in [Table 2](#) and include support for the DAE2 and DAE2P enclosures.

Available disk space

[Table 3](#) gives the usable space for the disks listed in [Table 1](#).

Supported disk-array enclosures

[Table 4](#) lists the disk array enclosures (DAEs) supported for CLARiON storage systems. [Table 5](#) lists the disk models supported for these DAEs.

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

Table 1 Fibre Channel interface disk modules - Minimum FLARE OE revisions required

Disk capacity	Model number	Part number	RoHS ¹	Drive type	Spindle speed	Platform	Minimum FLARE OE software revision
2 TB	CX-SA07-020	005049058	CO	4 Gb FC	7.2K rpm	CX3-80	03.26.080.5.005
							03.24.080.5.006
							03.22.080.5.504
		005049061	CO			CX3-40	03.26.040.5.005
							03.24.040.5.006
							03.22.040.5.504
		005049071	CO			CX3-40c	03.26.020.5.005
							03.24.020.5.006
							03.22.020.5.504
							03.22.020.5.504
005049457	CO	CX3-20	03.26.010.5.005				
			03.24.010.5.011				
			03.24.010.5.011				
005049552	CO	CX3-20c	03.26.010.5.005				
			03.24.010.5.011				
			03.24.010.5.011				
005049259	CO	CX3-20f	03.26.010.5.005				
			03.24.010.5.011				

¹ In the RoHS column, CO = RoHS compliant; NC = not RoHS compliant.

CX3 series storage systems

Disk capacity	Model number	Part number	RoHS ¹	Drive type	Spindle speed	Platform	Minimum FLARE OE software revision						
2 TB	CX-LP05-020	005049085 005049457	CO CO	4 Gb FC	5.4K rpm	CX3-80	03.26.080.5.005 03.24.080.5.006 03.22.080.5.504						
						CX3-40 CX3-40c CX3-40f	03.26.040.5.005 03.24.040.5.006 03.22.040.5.504						
						CX3-20 CX3-20c CX3-20f	03.26.040.5.005 03.24.040.5.006 03.22.040.5.504						
						CX3-10c	03.24.010.5.011						
						1 TB	CX-SA07-010	005048797	CO	4 Gb FC	7.2K rpm	CX3-80	03.26.080.5.005 03.24.080.5.014
								005048829	CO			CX3-40 CX3-40c CX3-40f	03.26.040.5.005 03.24.040.5.014
								005049238	CO				
								005049070	CO				
								005049028	CO			CX3-20 CX3-20c CX3-20f	03.26.020.5.005 03.24.020.5.014
								005049070	CO				
								005049520	CO				
								005049412	CO			CX3-10c	03.26.010.5.005 03.24.010.5.014
005049700	CO												
005049541	CO												
005049687	CO												
005049258	CO												
005049542	CO												
Spare ONLY for CX3-LP010-15 or CX3-LP010- 15U ²	005048853	CO	4 Gb FC	5.4K rpm	CX3-80	03.26.080.5.005 03.24.080.5.014							
					CX3-40 CX3-40c CX3-40f	03.26.040.5.005 03.24.040.5.014							

² The 1 TB 5.4K rpm disk modules are available only as spares for DAE models CX3-LP010-15 and CX3-LP010-15U, which ship from the factory fully loaded with fifteen 1TB 5.4K rpm disks. These DAE models cannot be the DAE-OS (DAE enclosure 0 on bus 0).

CX3 series storage systems

Disk capacity	Model number	Part number	RoHS ¹	Drive type	Spindle speed	Platform	Minimum FLARE OE software revision
1 TB	Spare ONLY for CX3-LP010-15 or CX3-LP010-15U ³	005048853	CO	4 Gb FC	5.4K rpm	CX3-20 CX3-20c CX3-20f	03.26.040.5.005 03.24.040.5.014
						CX3-10c	03.26.040.5.005 03.24.040.5.014
750GB	CX-SA07-750	005048828 005049070 005049028 005048726 005048889	CO CO CO CO CO	4 Gb FC	7.2K rpm	CX3-80	03.26.080.5.005 03.24.080.5.008 03.22.080.5.510
						CX3-40 CX3-40c	03.26.040.5.005 03.24.040.5.008 03.22.040.5.510
						CX3-40f	03.26.040.5.005 03.24.040.5.006
						CX3-20 CX3-20c	03.26.020.5.005 03.24.020.5.008 03.22.020.5.510
						CX3-20f	03.26.020.5.005 03.24.020.5.006
						CX3-10c	03.26.010.5.005 03.24.010.5.008
						750GB	CX-SA07-750
CX3-40 CX3-40c	03.26.040.5.005 03.24.040.5.006 03.22.040.5.510						
CX3-40f	03.26.040.5.005 03.24.040.5.006						

³ The 1 TB 5.4K rpm disk modules are available only as spares for DAE models CX3-LP010-15 and CX3-LP010-15U, which ship from the factory fully loaded with fifteen 1TB 5.4K rpm disks. These DAE models cannot be the DAE-OS (DAE enclosure 0 on bus 0).

CX3 series storage systems

Disk capacity	Model number	Part number	RoHS ¹	Drive type	Spindle speed	Platform	Minimum FLARE OE software revision
750GB	CX-SA07-750	005048796	CO	4 Gb FC	7.2K rpm	CX3-20 CX3-20c	03.26.020.5.005 03.24.020.5.006 03.22.020.5.510
						CX3-20f	03.26.020.5.005 03.24.020.5.006
						CX3-10c	03.26.010.5.005 03.24.010.5.008
750GB	CX-SA07-750	005048828	CO	4 Gb FC	72.K rpm	CX3-80	03.26.080.5.005 03.24.080.5.006 03.22.080.5.504
						CX3-40 CX3-40c CX3-40f	03.26.040.5.005 03.24.040.5.006 03.22.040.5.504
						CX3-20 CX3-20c CX3-20f	03.26.020.5.005 03.24.020.5.006 03.22.020.5.504
600 GB	CX-4G15-600	005048952	CO	4 Gb FC	15K rpm	CX3-80	03.26.080.5.025
		005049033	CO			CX3-40 CX3-40c CX3-40f	03.26.040.5.025
		005049118	CO			CX3-20 CX3-20c CX3-20f	03.26.020.5.025
		005049160 005049694	CO CO			CX3-10c	03.26.010.5.025
600 GB	CX-4G10-600	005048955	CO	4 Gb FC	10K rpm	CX3-80	03.26.080.5.025
		005049116	CO			CX3-40 CX3-40c CX3-40f	03.26.040.5.025
		005049166	CO				
		005049690 005049683	CO CO				

CX3 series storage systems

Disk capacity	Model number	Part number	RoHS ¹	Drive type	Spindle speed	Platform	Minimum FLARE OE software revision
600 GB	CX-4G10-600	005048955	CO	4 Gb FC	10K rpm	CX3-20	03.26.020.5.025
		005049116	CO			CX3-20c	
		005049166	CO			CX3-20f	
		005049690	CO			CX3-10c	03.26.010.5.025
		005049683	CO				
500GB	CX-SA07-500	005048608	CO	4 Gb FC	72.K rpm	CX3-80	03.22.080.5.505
						CX3-40 CX3-40c	03.22.040.5.505
						CX3-40f	03.24.040.5.006
						CX3-20 CX3-20c	03.22.020.5.505
						CX3-20f	03.24.020.5.006
						CX3-10c	03.24.010.5.008
		005048720	CO	4 Gb FC	72.K rpm	CX3-80	03.22.080.5.510
						CX3-40 CX3-40c	03.22.040.5.510
						CX3-40f	03.24.040.5.006
						CX3-20 CX3-20c	03.22.020.5.510
						CX3-20f	03.24.020.5.006
						CX3-10c	03.24.010.5.008
		005048795 005048886	CO CO	4 Gb FC	72.K rpm	CX3-80	03.26.080.5.005 03.24.080.5.006 03.22.080.5.510
						CX3-40 CX3-40c	03.26.040.5.005 03.24.040.5.006 03.22.040.5.510
						CX3-40f	03.26.040.5.005 03.24.040.5.006

CX3 series storage systems

Disk capacity	Model number	Part number	RoHS ¹	Drive type	Spindle speed	Platform	Minimum FLARE OE software revision	
500GB	CX-SA07-500	005048795 005048886	CO CO	4 Gb FC	72.K rpm	CX3-20 CX3-20c	03.26.020.5.005 03.24.020.5.006 03.22.020.5.510	
						CX3-20f	03.26.020.5.005 03.24.020.5.006	
		CX3-10c	03.26.010.5.005 03.24.010.5.008					
500GB	CX-2G72-500	005048596	CO	2 Gb FC	7.2K rpm	CX3-80	03.26.010.5.005 03.24.010.5.008	
						CX3-40 CX3-40c	03.22.080.5.005	
						CX3-40f	03.22.040.5.005	
						CX3-20 CX3-20c	03.24.040.5.006	
						CX3-20f	03.22.020.5.005	
			005048696 005048809	CO CO	2 Gb FC	7.2K rpm	CX3-80	03.22.080.5.005
							CX3-40 CX3-40c	03.22.040.5.005
							CX3-40f	03.24.040.5.006
							CX3-20 CX3-20c	03.22.020.5.005
							CX3-20f	03.24.020.5.006
450 GB	CX-4G15-450	005048849 005048927 005048951 005049032 005049120	CO CO CO CO CO	4 Gb FC	15K rpm	CX3-80	03.26.080.5.014	
						CX3-40 CX3-40c CX3-40f	03.26.040.5.014	

CX3 series storage systems

Disk capacity	Model number	Part number	RoHS ¹	Drive type	Spindle speed	Platform	Minimum FLARE OE software revision
450 GB	CX-4G15-450	005048970	CO	4 Gb FC	15K rpm	CX3-20	03.26.020.5.014
		005049158	CO			CX3-20c	
		005049693	CO			CX3-20f	
						CX3-10c	03.26.010.5.014
450 GB	CX-4G10-450	005048954	CO	4 Gb FC	10K rpm	CX3-80	03.26.080.5.014
		005049115	CO			CX3-40	03.26.040.5.014
		005048974	CO			CX3-40c	
		005049164	CO			CX3-40f	
		005049689	CO			CX3-20	03.26.020.5.014
		005049682	CO			CX3-20c	
					CX3-20f		
					CX3-10c	03.26.010.5.014	
400 GB	CX-4G10-400	005048775	CO	4 Gb FC	10K rpm	CX3-80	03.26.080.5.005
		005048837	CO			CX3-40	03.26.040.5.005
		005048973	CO			CX3-40c	
		005049681	CO			CX3-40f	03.24.040.5.014
							CX3-20
			CX3-20c	03.24.020.5.014			
					CX3-20f		
					CX3-10c	03.26.010.5.005	
							03.24.010.5.014
300 GB	CX-4G15-300	005048731	CO	4 Gb FC	15K rpm	CX3-80	03.26.080.5.005
		005048741	CO				03.24.080.5.006
		005048848	CO				03.22.080.5.005

CX3 series storage systems

Disk capacity	Model number	Part number	RoHS ¹	Drive type	Spindle speed	Platform	Minimum FLARE OE software revision
300 GB	CX-4G15-300	005048926	CO	4 Gb FC	15K rpm	CX3-40 CX3-40c	03.26.040.5.005
		005048950	CO				03.24.040.5.006
		005049031	CO				03.22.040.5.005
		005049119	CO				
		005048856	CO				
		005048840	CO				03.26.040.5.005
		005048835	CO				03.24.040.5.006
		005049156	CO				03.22.040.5.005
300 GB	CX-4G15-300	005048731	CO	4 Gb FC	15K rpm	CX3-40f	03.26.040.5.005
		005048741	CO				03.24.040.5.006
		005048848	CO			CX3-20 CX3-20c	03.26.020.5.005
		005048926	CO				03.24.020.5.006
		005048950	CO				03.22.020.5.005
		005049031	CO			CX3-20f	03.26.020.5.005
		005049119	CO				03.24.020.5.006
		005048856	CO				
		005048840	CO			CX3-10c	03.26.010.5.005
		005048835	CO				03.24.010.5.011
		005049156	CO				
		005049692	CO				
300 GB	CX-4G10-300	005048751	CO	4 Gb FC	10K rpm	CX3-80	03.26.080.5.005
		005048836	CO				03.22.080.5.005
		005048841	CO			CX3-40 CX3-40c	03.26.040.5.005
		005048972	CO				03.22.040.5.005
		005049162	CO			CX3-40f	03.26.040.5.005
		005048842	CO				03.24.040.5.006
		005048953	CO			CX3-20 CX3-20c	03.26.020.5.005
		005049117	CO				03.22.020.5.005
		005049691	CO			CX3-20f	03.26.020.5.005
		005049680	CO				03.24.020.5.006
005049679	CO						

CX3 series storage systems

Disk capacity	Model number	Part number	RoHS ¹	Drive type	Spindle speed	Platform	Minimum FLARE OE software revision
300 GB	CX-2G10-300	005048532	NC	2 Gb FC	10K rpm	CX3-80	03.22.080.5.005
		005048582	CO			CX3-40 CX3-40c	03.22.040.5.005
		005048597	NC				
		005048633	NC			CX3-40f	03.24.040.5.006
		005048564	NC				
		005048616	NC			CX3-20 CX3-20c	03.22.020.5.005
		005048625	NC				
		005048699	CO			CX3-20f	03.24.020.5.006
		005048703	NC				
		005048751	NC			CX3-10c	03.24.010.5.008
		005048808	CO				
		005048836	CO				
		005048953	CO				
		005048841	CO				
		005048972	CO				
		005049162	CO				
005048842	CO						
146 GB	CX-4G15-146	005048619	NC	4 Gb FC	15K rpm	CX3-80	03.22.080.5.005
		005048660	CO			CX3-40 CX3-40c	03.22.040.5.005
		005048701	CO				
		005048730	CO			CX3-40f	03.24.040.5.006
		005048740	CO				
		005048847	CO			CX3-20 CX3-20c	03.22.020.5.005
		005048844	CO				
		005048855	CO			CX3-20f	03.24.020.5.006
		005048839	CO				
		005048834	CO			CX3-10c	03.24.010.5.008
		005048846	CO				
		005048968	CO				
		005049431	CO				
		005049440	CO				
		005048749	CO				

CX3 series storage systems

Disk capacity	Model number	Part number	RoHS ¹	Drive type	Spindle speed	Platform	Minimum FLARE OE software revision
146 GB	CX-4G15-146 CX-2G15-146	005048730	CO	2/4 Gb FC	15K rpm	CX3-80	03.22.080.5.005
		005048847	CO			CX3-40 CX3-40c	03.22.040.5.005
		005048844	CO				
		005048855	CO			CX3-40f	03.24.040.5.006
		005048839	CO				
		005048834	CO			CX3-20 CX3-20c	03.22.020.5.005
		005048846	CO				
		005048968	CO			CX3-20f	03.24.020.5.006
		005049431	CO				
		005049440	CO			CX3-10c	03.24.010.5.008
005048749	CO						

CX3 series storage systems

Disk capacity	Model number	Part number	RoHS ¹	Drive type	Spindle speed	Platform	Minimum FLARE OE software revision		
46 GB	CX-2G10-146	005048128	CO	2 Gb FC	10K rpm	CX3-80	03.22.080.5.005		
		005048255	NC			CX3-40 CX3-40c	03.22.040.5.005		
		005048491	NC						
		005048495	CO			CX3-40f	03.24.040.5.006		
		005048531	NC						
		005048563	NC			CX3-20 CX3-20c	03.22.020.5.005		
		005048581	CO						
		005048702	CO			CX3-20f	03.24.020.5.006		
		005048615	NC						
		005048624	CO			CX3-10c	03.24.010.5.008		
		005048632	NC						
		005048698	CO						
		005048807	CO						
		005048971	CO						
								2 Gb FC	10K rpm
				005048031	NC	CX3-40 CX3-40c	03.22.040.5.005		
				005048442	NC				
				005048598	CO	CX3-40f	03.24.040.5.006		
		005048604	NC						
				CX3-20 CX3-20c	03.22.020.5.005				
				CX3-20f	03.24.020.5.006				
				CX3-10c	03.24.010.5.008				
73 GB	CX-4G15-73	005048646	NC	4 Gb FC	15K rpm	CX3-80	03.22.080.5.005		
		005048659	CO			CX3-40 CX3-40c	03.22.040.5.005		
		005048700	CO						
		005048729	CO			CX3-40f	03.24.040.5.006		
		005048739	CO						
		005048843	CO			CX3-20 CX3-20c	03.22.020.5.005		
		005048854	CO						
		005048833	CO			CX3-20f	03.24.020.5.006		
		005048845	CO						
		005049015	CO			CX3-10c	03.24.010.5.008		

CX3 series storage systems

Disk capacity	Model number	Part number	RoHS ¹	Drive type	Spindle speed	Platform	Minimum FLARE OE software revision
73 GB	CX-2G15-73	005048729	CO	2 Gb FC	15K rpm	CX3-80	03.22.080.5.005
		005048843	CO			CX3-40 CX3-40c	03.22.040.5.005
		005048854	CO			CX3-40f	03.24.040.5.006
		005048833	CO			CX3-20 CX3-20c	03.22.020.5.005
		005048845	CO			CX3-20f	03.24.020.5.006
		005049015	CO			CX3-10c	03.24.010.5.008
		CX-2G10-73	005047873			NC	2 Gb FC
	005048129		NC	CX3-40 CX3-40c	03.22.040.5.005		
	005048257		NC	CX3-40f	03.24.040.5.006		
	005048443		NC	CX3-20 CX3-20c	03.22.020.5.005		
	005048492		NC	CX3-20f	03.24.020.5.006		
	005048496		CO	CX3-10c	03.24.010.5.008		
	005048516		NC				
	005048519		NC				
	005048530		NC				
	005048538		CO				
	005048580		CO				
	005048562		NC				
	005048614		NC				
	005048631	NC					
005048806	CO						
005048812	CO						
005049016	CO						

Disk capacity	Model number	Part number	RoHS ¹	Drive type	Spindle speed	Platform	Minimum FLARE OE software revision
36 GB4	CX-2G10-36	005047879	NC	2 Gb FC	15K rpm	CX3-80	03.22.080.5.005
		005048293	NC			CX3-40 CX3-40c	03.22.040.5.005
		005048539	NC			CX3-40f	03.24.040.5.006
		005048610	NC			CX3-20 CX3-20c	03.22.020.5.005
		005048611	CO			CX3-20f	03.24.020.5.006
		005049098	CO				

⁴ Cannot be used as a vault disk.

Table 2 CX series to CX3 series upgrade- Minimum FLARE OE revisions required

Disk capacity	Model number	Part number	RoHS ⁵	Drive type	Spindle speed	Platform	Minimum FLARE OE software revision
1 TB	CX-AT07-10	005048800	CO	SATA	7.2K rpm	CX3-80	03.24.080.5.014
						CX3-40 CX3-40c CX3-40f	03.24.040.5.014
						CX3-20 CX3-20c CX3-20f	03.24.020.5.014
		005048823	CO	SATA	7.2K rpm	CX3-80	03.26.080.5.005 03.24.080.5.014
						CX3-40 CX3-40c CX3-40f	03.26.040.5.005 03.24.040.5.014
						CX3-20 CX3-20c CX3-20f	03.26.020.5.005 03.24.020.5.014
750 GB	CX-AT07-750	005048723	CO	SATA	7.2K rpm	CX3-80	03.24.080.5.006
						CX3-40 CX3-40c	03.24.040.5.007
						CX3-40f	03.24.040.5.006
						CX3-20 CX3-20c	03.24.020.5.007
						CX3-20f	03.24.020.5.006

⁵ In the RoHS column, CO = RoHS compliant; NC = not RoHS compliant.

CX3 series storage systems

Disk capacity	Model number	Part number	RoHS ⁵	Drive type	Spindle speed	Platform	Minimum FLARE OE software revision
750 GB	CX-AT07-750	005048799	CO	SATA	7.2K rpm	CX3-80 CX3-40 CX3-40c CX3-40f	03.24.040.5.014
						CX3-20 CX3-20c CX3-20f	03.24.020.5.014
750 GB	CX-AT07-750	005048822	CO	SATA	7.2K rpm	CX3-80	03.26.080.5.005 03.24.080.5.006 03.22.080.5.510
						CX3-40 CX3-40c CX3-40f	03.26.040.5.005 03.24.040.5.006 03.22.040.5.510
						CX3-20 CX3-20c CX3-20f	03.26.020.5.005 03.24.020.5.006 03.22.020.5.510
500 GB	CX-AT07-500	005048574 005048697 (Both spares for CX-AT05-320)	NC CO	SATA	7.2K rpm	CX3-80	03.22.080.5.505
		CX3-40				03.22.040.5.505	
		CX3-20				03.22.020.5.505	
		005048716 (Spare for CX-AT05-320)	CO	SATA	7.2K rpm	CX3-80	03.24.080.5.006
						CX3-40 CX3-40c	03.24.040.5.007
						CX3-40f	03.24.040.5.006
CX3-20 CX3-20c	03.24.020.5.007						
CX3-20f	03.24.020.5.006						

CX3 series storage systems

Disk capacity	Model number	Part number	RoHS ⁵	Drive type	Spindle speed	Platform	Minimum FLARE OE software revision
500 GB	CX-AT07-500	005048798 (Spare for CX-AT05-320)	CO	SATA	7.2K rpm	CX3-80	03.24.080.5.014
						CX3-40 CX3-40c CX3-40f	03.24.040.5.014
						CX3-20 CX3-20c CX3-20f	03.24.020.5.014
320 GB	CX-AT05-320	005048012	NC	ATA	5.4K rpm	CX3-80	03.22.080.5.510
						CX3-40	03.22.040.5.510
						CX3-20	03.22.020.5.510
	Spare for CX-AT05-320	005048715	CO	SATA	7.2K rpm	CX3-80	03.22.080.5.510
						CX3-40	03.22.040.5.510
						CX3-20	03.22.020.5.510
250 GB	CX-AT05-250	005047939	NC	ATA	5.4K rpm	CX3-80	03.22.080.5.505
						CX3-40	03.22.040.5.505
						CX3-20	03.22.020.5.505
		005048427	NC	SATA	7.2K rpm	CX3-80	03.22.080.5.505
						CX3-40	03.22.040.5.505
						CX3-20	03.22.020.5.505
		005048821	CO	SATA	7.2K rpm	CX3-80	03.26.080.5.005 03.24.080.5.006 03.22.080.5.504
						CX3-40 CX3-40c CX3-40f	03.26.040.5.005 03.24.040.5.006 03.22.040.5.504

CX3 series storage systems

Disk capacity	Model number	Part number	RoHS ⁵	Drive type	Spindle speed	Platform	Minimum FLARE OE software revision
250 GB	CX-AT05-250	005048821	CO	SATA	7.2K rpm	CX3-20	03.26.020.5.005
						CX3-20c	03.24.020.5.006
						CX3-20f	03.22.020.5.504
	Spare for CX-AT05-250 or CX-AT07-250	005048711	CO	SATA	7.2K rpm	CX3-10c	03.26.010.5.005
							03.24.010.5.006
							03.22.010.5.504
146 GB	CX-2G15-146	005048534	NC	2 Gb FC	15K rpm	CX3-80	03.22.080.5.505
		005048584	CO			CX3-40	03.22.040.5.505
		005048588	NC			CX3-40c	
		005048602	NC			CX3-40f	03.24.040.5.006
		005048618	NC				
		005048627	CO			CX3-20	03.22.020.5.505
		005048844	CO				
		005048855	CO			CX3-20f	03.24.020.5.006
		005048839	CO				
		005048834	CO				
		005048846	CO				
		005048968	CO				
		005049440	CO				
005048730	CO						
73 GB	CX-2G15-73	005048290	NC	2 Gb FC	15K rpm	CX3-80	03.22.080.5.505
		005048533	NC			CX3-40	03.22.040.5.505
		005048583	CO				
		005048589	NC			CX3-40f	03.24.040.5.006
		005048600	NC				
		05048617	NC			CX3-20	03.22.020.5.505
		05048626	CO				

CX3 series storage systems

Disk capacity	Model number	Part number	RoHS ⁵	Drive type	Spindle speed	Platform	Minimum FLARE OE software revision
73 GB	CX-2G15-73	05048843	CO	2 Gb FC	15K rpm	CX3-20f	03.24.020.5.006
		05048854	CO				
		05048833	CO				
		05048845	CO				
		05049015	CO				
		005048700	CO				
36 GB	CX-2G15-36	005047879 005048293 005048539 005048610	NC NC NC NC	2 Gb FC	15K rpm	CX3-80	03.22.080.5.505
						CX3-40 CX3-40c	03.22.040.5.505
						CX3-40f	03.24.040.5.006
						CX3-20 CX3-20c	03.22.020.5.505
						CX3-20f	03.24.020.5.006

Table 3 Usable disk space

Listed capacity ⁶	Usable space per disk ⁷		
	Disk	CX3-10c	CX3-20, CX3-20c, CX3-20f, CX3-40, CX3-40c, CX3-40f, CX3-80
2 TB	Disk 0-4 (vault disk)	Not supported as vault disk	Not supported as vault disk
	Other disk	1823.5632 GB	1823.5632 GB
1 TB	Disk 0-4 (vault disk)	884.1824 GB	Not supported as vault disk
	Other disk	917.1492 GB	917.1492 GB
750 GB	Disk 0-4 (vault disk)	654.8893 GB	Not supported as vault disk
	Other disk	687.8560 GB	687.8560 GB
600 GB	Disk 0-4 (vault disk)	503.8083 GB	503.8083 GB
	Other disk	536.7751 GB	536.7751 GB
500 GB	Disk 0-4 (vault disk)	425.5962 GB	Not supported as vault disk
	Other disk	458.5629 GB	458.5629 GB
450 GB	Disk 0-4 (vault disk)	369.6062 GB	369.6062 GB
	Other disk	402.5730 GB	402.5730 GB
400 GB	Disk 0-4 (vault disk)	333.7978 GB	333.7978 GB
	Other disk	366.7646 GB	366.7646 GB

⁶ The listed capacity is the disk capacity listed for the disks in

⁷ 1 GB = 1,073,741,824 bytes (1024³).

Listed capacity ⁶	Usable space per disk ⁷		
	Disk	CX3-10c	CX3-20, CX3-20c, CX3-20f, CX3-40, CX3-40c, CX3-40f, CX3-80
300 GB	Disk 0-4 (vault disk)	235.4042 GB	235.4042 GB
	Other disk	268.3709 GB	268.3709 GB
146 GB	Disk 0-4 (vault disk)	100.6808 GB	100.6808 GB
	Other disk	133.6473 GB	133.6473 GB
73 GB	Disk 0-4 (vault disk)	33.6387 GB	33.6387 GB
	Other disk	66.6055 GB	66.6055 GB

Table 4 Supported disk-array enclosures (DAEs)

DAE type	Storage systems supported			
	CX200, CX400, CX600	CX300, CX500, CX700	CX3 series ⁸	CX4 series ⁹
DAE2	Yes	Yes	Yes	Yes ¹⁰
DAE2-ATA	Yes	Yes	Yes	Yes ¹⁴
DAE2P	No	Yes	Yes	Yes ¹⁴
DAE3P (DAE4P)	No	No	Yes	Yes

Table 5 Disk models supported for disk-array enclosures (DAEs)

DAE type	Storage systems supported				
	CX-SA	CX-2G ¹¹	CX-4G ¹⁵	CX-AT ¹²	CX-FC (EFDs)
DAE2	No	Yes	Yes	No	No
DAE2-ATA	No	No	No	Yes	No
DAE2P	No	Yes	Some ¹³	No	No
DAE3P (DAE4P)	Yes ¹⁴	Yes	Yes ¹⁵	No	Yes ¹⁶

⁸ The CX3 series models are CX3-10c, CX3-20, CX3-20c, CX3-20f, CX3-40, CX3-40c, CX3-40f, and CX3-80.

⁹ The CX4 series models are CX4-120, CX4-240, CX4-480, and CX4-960.

¹⁰ The DAE2, DAE2-ATA, and DAE2P are supported in CX4 series storage systems. If you repurpose any of these DAEs (that is, reuse them from an older storage system) in a CX4 series storage system, you may have to run "Refresh Management Server State" from the Navisphere Manager Setup page for the drives to come online, and, if that does not work, you will need to reboot the SPs. Knowledgebase solution emc200651 provides more information.

¹¹ You can mix CX-2G and CX-4G model disks in the same DAE, but the maximum speed will be 2 Gb/s for the buses connected to the DAE with both these model disks.

¹² CX-AT model disks cannot co-exist with other disk models in the same DAE.

¹³ The specific CX-4G model disks supported for a DAE2P depend on the storage system with the DAE2P. This document lists the supported CX-4G model disks for CX4 series storage systems. The *EMC CX Series Storage Systems Disk and FLARE OE Matrix* and the *EMC CX3 UltraScale Series Storage Systems Disk and FLARE OE Matrix* list the supported CX-4G model disks for the CX series storage systems and the CX3 series storage systems, respectively.

¹⁴ CX-SA model disks cannot co-exist with other disk models in the same DAE.

¹⁵ This document lists the specific CX-4G model disks supported for the DAE3P in a CX4 series storage system.

¹⁶ This document lists the specific CX-FC (EFDs) model disks supported for the DAE3P in a CX4 series storage system.

Copyright © 2009-2012 EMC Corporation. All Rights Reserved.

EMC believes the information in this publication is accurate as of its publication date. However, the information is subject to change without notice.

THE INFORMATION IN THIS PUBLICATION IS PROVIDED "AS IS." EMC CORPORATION MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND WITH RESPECT TO THE INFORMATION IN THIS PUBLICATION, AND SPECIFICALLY DISCLAIMS IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Use, copying, and distribution of any EMC software described in this publication requires an applicable software license.

For the most up-to-date regulatory document for your product line, go to the Technical Documentation and Advisories section on EMC Powerlink.

For the most up-to-date listing of EMC product names, see EMC Corporation Trademarks on EMC.com.

All other trademarks used herein are the property of their respective owners.