

Disk and FLARE OE Matrix

P/N 014002833

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To function properly, Fibre Channel disks require that each Storage Processor run minimum revisions of the following software:

- ◆ FLARE™ Operating Environment (FLARE OE) in an FC4700-2 or FC4700 storage system
- ◆ System software in an IP4700 system
- ◆ FLARE OE and PROM code in any other model of an FC-Series storage system (non-4700 storage systems)

This document lists the disk part numbers supported for the following systems and the minimum software revisions required for each disk model:

- ◆ FC4700-2, FC4700, and IP4700 storage systems (page 2)
- ◆ Non-4700 FC-Series storage systems (page 5)

Changes and additions since the last revision of this document are noted in **bold blue** type.

The disk part number (PN) appears on a label on the front or side of the plastic carrier, as shown below.

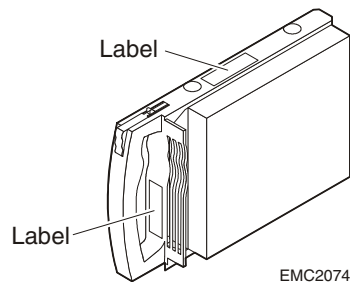


Figure 1 Location of Disk Part Number Label

FC4700-2, FC4700, and IP4700 Systems



CAUTION

If you use a disk with an incorrect revision of system software or FLARE OE running in the SP, data loss will result due to incorrectly sized drives. Similarly, using an unsupported disk with any revision of system software or FLARE OE may result in data loss.

The FC4700-2 and FC4700 FLARE OE revision is displayed by EMC Navisphere® Manager in the **General** tab of the **Storage System Properties** dialog box for the storage system. If the FLARE OE does not meet the minimum revision, then before installing a disk, upgrade the software as explained in the *EMC Navisphere Manager Administrator's Guide*.

The IP4700 system software revision is displayed by the Administrative Interface as the System Version on the IP4700 home page. If the system software does not meet the minimum revision, then before installing a disk, upgrade the software as explained in the *IP4700 Administrator's Guide*.

Table 1 lists the disks supported by FC4700-2 and FC4700 systems, and the minimum system software or FLARE OE required to use each one.

Table 2 lists the disks supported by IP4700 system, and the minimum system software required to use each one.

Table 1 Minimum FLARE OE Revisions Required for Disks in a FC4700-2 and FC4700 System

Disk Capacity	Part Number	Spindle Speed	Platform	Minimum FLARE OE Revision	
				with Access Logix	without Access Logix
181 Gbytes	PN005047551*	7.2K	FC4700-2	8.44.51	8.44.01
			FC4700		
146 Gbytes	PN005048172	10K	FC4700-2	8.47.52	8.47.02
			FC4700		
73 Gbytes	PN005046734	10K	FC4700-2	8.42.58	8.41.04
	PN005047169		FC4700		
	PN005048173				

Table 1 Minimum FLARE OE Revisions Required for Disks in a FC4700-2 and FC4700 System (continued)

Disk Capacity	Part Number	Spindle Speed	Platform	Minimum FLARE OE Revision	
				with Access Logix	without Access Logix
36 Gbytes	PN005045719	7.2K	FC4700-2	8.42.58	8.41.04
			FC4700		
	PN005045936 PN005046732 PN005047171	10K	FC4700-2		
			FC4700		
			FC4700		
	PN005047314* PN005048177*	15K	FC4700-2		
FC4700					
18 Gbytes	PN005045268	7.2K	FC4700-2	8.42.58	8.41.04
			FC4700		
	PN005045272 PN005045713 PN005045932 PN005046730	10K	FC4700-2		
			FC4700		
			FC4700		
	PN005046630** PN005047331	15K	FC4700-2		
FC4700					
9 Gbytes	PN005045266	7.2K	FC4700-2	8.42.58	8.41.04
			FC4700		
	PN005045270 PN005045715 PN005045934	10K	FC4700-2		
			FC4700		

* RAID configurations only; not supported in JBOD systems.

** Only supported in DAEs using power supplies with part number revisions at or above 005042633-21 or 005045508-04.

Table 2 Minimum System Software Revisions Required for Disks in an IP4700 System

Disk Capacity	Part Number	Spindle Speed	Platform	Minimum System Software Revision
73 Gbytes	PN005046734	10K	IP4700	R1.1
	PN005047169			R2.0
	PN005048173			R2.1 p46
36 Gbytes	PN005045719	7.2K	IP4700	R1.0
	PN005045936	10K		
	PN005046732			
	PN005047171	15K		R2.0 p21
	PN005047314*			R2.0 p24
	PN005048177*			R2.1 p46
18 Gbytes	PN005045272 PN005045713 PN005045932 PN005046730	10K	IP4700	R1.0
	PN005046630**	15K		R1.1
	PN005047331			R2.0 p24

* RAID configurations only; not supported in JBOD systems.

** Only supported in DAEs using power supplies with part number revisions at or above 005042633-21 or 005045508-04.

Non-4700 FC-Series Storage Systems



CAUTION

If you use a disk with an incorrect revision of FLARE OE or PROM code running in the SP, data loss will result due to incorrectly sized drives. Similarly, using an unsupported disk with any revision of FLARE OE and PROM code may result in data loss.

EMC Navisphere Manager or Supervisor displays the FLARE OE and PROM code revisions in the **General** tab of the **SP Properties** dialog box for the storage system. If the FLARE OE or PROM code running in the SPs does not meet the minimum revision, then before installing a disk, upgrade the FLARE OE or PROM code as explained in the EMC Navisphere Manager or Supervisor manual.

Table 3 lists the disks supported by the FC4500 and the FC5300 storage systems and the minimum FLARE OE and PROM code required to use each one. The FC4500 and FC5300 are the only storage systems that support the Access Logix™ software.

Table 4 lists the disks supported by the FC5600, FC5700, FC5603, and the FC5703 storage systems and the minimum FLARE OE and PROM code required to use each one.

Table 5 lists the disks supported by the FC5500, FC5400, FC5200, FC5210, and the FC5310 storage systems and the minimum FLARE OE and PROM code required to use each one.

Table 3 Minimum FLARE OE and PROM Code Revisions Required for a FC4500 or FC5300 Storage System

Disk Capacity	Part Number	Spindle Speed	Platform	Minimum FLARE OE and PROM Revisions	
				With Access Logix	Without Access Logix
181 Gbytes	PN005047551*	7.2K	FC4500	6.32.14 2.09	5.32.14 2.09
			FC5300**	Not supported	Not supported
146 Gbytes	PN005048172	10K	FC4500	6.32.18 2.10	5.32.18 2.10
			FC5300	6.24.08 2.09	5.24.08 2.09
73 Gbytes	PN005046734 PN005047169 PN005048173	10K	FC4500	6.32.01 2.08	5.32.01 2.08
			FC5300	6.24.05 2.09	5.22.08 2.04
36 Gbytes	PN005045719	7.2K	FC4500	6.31.02 1.05	5.31.00 1.05
			FC5300	6.24.05 2.09	5.21.03 1.09
	PN005045936 PN005046732 PN005047171	10K	FC4500	6.31.02 1.05	5.31.00 1.05
			FC5300	6.24.05 2.09	5.21.03 1.09
	PN005047314* PN005048177*	15K	FC4500	6.31.02 1.05	5.31.00 1.05
			FC5300	6.24.05 2.09	5.21.03 1.09

Table 3 Minimum FLARE OE and PROM Code Revisions Required for a FC4500 or FC5300 Storage System (continued)

Disk Capacity	Part Number	Spindle Speed	Platform	Minimum FLARE OE and PROM Revisions	
				With Access Logix	Without Access Logix
18 Gbytes	PN005045268	7.2K	FC4500	6.31.02 1.05	5.31.00 1.05
			FC5300	6.24.05 2.09	5.21.03 1.01
	PN005045272 PN005045713 PN005045932 PN005046730	10K	FC4500	6.31.02 1.05	5.31.00 1.05
			FC5300	6.24.05 2.09	5.21.03 1.09
	PN005046630*** PN005047331	15K	FC4500	6.31.02 1.05	5.31.00 1.05
			FC5300	6.24.05 2.09	5.21.03 1.09
9 Gbytes	PN005045266	7.2K	FC4500	6.31.02 1.05	5.31.00 1.05
			FC5300	6.24.05 2.09	5.21.03 1.09
	PN005045270	10K	FC4500	6.31.02 1.05	5.31.00 1.05
			FC5300	6.24.05 2.09	5.21.03 1.01
	PN005045715 PN005045934	10K	FC4500	6.31.02 1.05	5.31.00 1.05
			FC5300	6.24.05 2.09	5.21.03 1.09

* RAID configurations only; not supported in JBOD systems.

** Access Logix for FC5300 is available from selected channels.

***Only supported in iDAEs using power supplies with part number revisions at or above 005045508-04, and in DAEs using power supplies with part number revisions at or above 005042633-21 or 005045508-04.

Table 4 Minimum FLARE OE and PROM Code Revisions Required for the FC5600, FC5700, FC5603, and the FC5703 Storage System

Disk Capacity	Part Number	Spindle Speed	Platform	Minimum FLARE OE and PROM Revisions	
				Partitioned	Non-Partitioned
73 Gbytes	PN005046734 PN005047169 PN005048173	10K	FC5703	5.11.59 3.23	Not supported
			FC5603		
			FC5700	5.11.09 3.23	Not supported
			FC5600		
36 Gbytes	PN005045719	7.2K	FC5703	5.11.52 3.18	4.12.62 2.14
			FC5603		
			FC5700	5.11.02 3.18	4.12.11 2.14
			FC5600		
	PN005045936 PN005046732 PN005047171	10K	FC5703	5.11.52 3.18	4.12.62 2.14
			FC5603		
			FC5700	5.11.02 3.18	4.12.11 2.14
			FC5600		
	PN005047314 PN005048177*	15K	FC5703	5.11.52 3.18	4.12.62 2.14
			FC5603		
			FC5700	5.11.02 3.18	4.12.11 2.14
			FC5600		

Table 4 Minimum FLARE OE and PROM Code Revisions Required for the FC5600, FC5700, FC5603, and the FC5703 Storage System (continued)

Disk Capacity	Part Number	Spindle Speed	Platform	Minimum FLARE OE and PROM Revisions	
				Partitioned	Non-Partitioned
18 Gbytes	PN005045268	7.2K	FC5703	5.11.52	4.11.50
			FC5603	3.18	1.01
			FC5700	5.11.02	4.11.00
			FC5600	3.18	1.01
	PN005045272	10K	FC5703	5.11.52	4.11.50
			FC5603	3.18	1.01
			FC5700	5.11.02	4.11.00
			FC5600	3.18	1.01
	PN005045713 PN005045932 PN005046730	10K	FC5703	5.11.52	4.12.62
			FC5603	3.18	2.14
			FC5700	5.11.02	4.12.11
			FC5600	3.18	2.14
	PN005047331	15K	FC5703	5.11.52	4.12.62
			FC5603	3.18	2.14
			FC5700	5.11.02	4.12.11
			FC5600	3.18	2.14

Table 4 Minimum FLARE OE and PROM Code Revisions Required for the FC5600, FC5700, FC5603, and the FC5703 Storage System (continued)

Disk Capacity	Part Number	Spindle Speed	Platform	Minimum FLARE OE and PROM Revisions	
				Partitioned	Non-Partitioned
9 Gbytes	PN005045266	7.2K	FC5703	5.11.52	4.11.50
			FC5603	3.18	1.01
			FC5700	5.11.02	4.11.00
			FC5600	3.18	1.01
	PN005045270	10K	FC5703	5.11.52	4.11.50
			FC5603	3.18	1.01
			FC5700	5.11.02	4.11.00
			FC5600	3.18	1.01
	PN005045715 PN005045934	10K	FC5703	5.11.52	4.12.62
			FC5603	3.18	2.14
			FC5700	5.11.02	4.12.11
			FC5600	3.18	2.14

* RAID configurations only; not supported in JBOD systems.

Table 5 Minimum FLARE OE and PROM Code Revisions Required for the FC5500, FC5400, FC5200, FC5210, and the FC5310 Storage System

Disk Capacity	Part Number	Spindle Speed	Platform	Minimum FLARE OE and PROM Revisions
73 Gbytes	PN005046734 PN005047169 PN005048173	10K	FC5500	2.04.40 4.26
			FC5400	
			FC5310	5.22.08 2.04
			FC5210	
			FC5200	
36 Gbytes	PN005045719	7.2K	FC5500	2.04.25 4.26
			FC5400	
			FC5310	5.21.03 1.09
			FC5210	
			FC5200	
	PN005045936 PN005046732 PN005047171	10K	FC5500	2.04.25 4.26
			FC5400	
			FC5310	5.21.03 1.09
			FC5210	
			FC5200	
	PN005047314	15K	FC5500	2.04.25 4.26
			FC5400	
			FC5310	5.21.03 1.09
			FC5210	
			FC5200	

Table 5 Minimum FLARE OE and PROM Code Revisions Required for the FC5500, FC5400, FC5200, FC5210, and the FC5310 Storage System (continued)

Disk Capacity	Part Number	Spindle Speed	Platform	Minimum FLARE OE and PROM Revisions
18 Gbytes	PN005045268	7.2K	FC5500	2.03.23 4.23
			FC5400	
			FC5310	5.21.03 1.01
			FC5210	
			FC5200	
	PN005045272	10K	FC5500	2.03.23 4.23
			FC5400	
			FC5310	5.21.03 1.09
			FC5210	
			FC5200	
	PN005045713 PN005045932 PN005046730	10K	FC5500	2.04.25 4.26
			FC5400	
			FC5310	5.21.03 1.09
			FC5210	
			FC5200	
PN005047331	15K	FC5500	2.04.25 4.26	
		FC5400		
		FC5310	5.21.03 1.09	
		FC5210		
		FC5200		

Table 5 Minimum FLARE OE and PROM Code Revisions Required for the FC5500, FC5400, FC5200, FC5210, and the FC5310 Storage System (continued)

Disk Capacity	Part Number	Spindle Speed	Platform	Minimum FLARE OE and PROM Revisions
18 Gbytes	PN005046630*	15K	FC5500	Not supported
			FC5400	
			FC5310	5.21.03 1.09
			FC5210	
			FC5200	
9 Gbytes	PN005045266	7.2K	FC5500	2.03.23 4.23
			FC5400	
			FC5310	5.21.03 1.09
			FC5210	
			FC5200	
	PN005045270	10K	FC5500	2.03.23 4.23
			FC5400	
			FC5310	5.21.03 1.01
			FC5210	
			FC5200	
	PN005045715 PN005045934	10K	FC5500	2.04.25 4.26
			FC5400	
FC5310			5.21.03 1.09	
FC5210				
FC5200				

* Only supported in DAEs using power supplies with part number revisions at or above 005042633-21 or 005045508-04.

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