

HP StorageWorks Enterprise Virtual Array disk drive firmware support

Part number: 5697-7820
Second edition: December 2008



Legal and notice information

© Copyright 2008 Hewlett-Packard Development Company, L.P.

Description

This document lists the supported Fibre Channel disk drive models and firmware versions for all currently active VCS and XCS controller software versions.

 **NOTE:**

- The information in this document is current as of the publication date.
- To maintain your storage system at the most current configuration, HP recommends that all disk drives use the recommended version of firmware.

For disk drive guidelines and best practices, see the Enterprise Virtual Array configuration best practices white paper for the appropriate EVA model. The white papers are available at the following website:

http://h18006.www1.hp.com/storage/arraywhitepapers.html?jumpid=reg_R1002_USEN

Product models

HP StorageWorks 3000/5000 Enterprise Virtual Arrays

HP StorageWorks 4000/6000/8000 Enterprise Virtual Arrays

HP StorageWorks 4100/6100/8100 Enterprise Virtual Arrays

HP StorageWorks 4400 Enterprise Virtual Array

Devices supported

 **NOTE:**

The recommended versions of supported controller software are:

- VCS 3.110 and 4.100
- XCS 6.110, 6.200, 09004000, and 09006000

Table 1 Online disk drives — 10K RPM

Fibre Channel disk	HP model displayed in HP Command View EVA	Minimum supported firmware version	Recommended firmware version	Supported controller software version
36 GB, 10K RPM	BD03654499	3BE9	3BE9	3.110, 4.100, 6.100, 6.110, 6.200
	BD03655B28	HP05	HP07	3.110, 4.100, 6.100, 6.110, 6.200

Fibre Channel disk	HP model displayed in HP Command View EVA	Minimum supported firmware version	Recommended firmware version	Supported controller software version
	BD03656ABA	HP09	HP0A	3.110, 4.100, 6.100, 6.110, 6.200
	BD03659532	HP02	HP05	3.110, 4.100, 6.100, 6.110, 6.200
72 GB, 10K RPM	BD07254498	3BE9	3BE9	3.110, 4.100, 6.100, 6.110, 6.200
	BD07255B29	HP05	HP07	3.110, 4.100, 6.100, 6.110, 6.200
	BD07256ABB	HP09	HP0A	3.110, 4.100, 6.100, 6.110, 6.200
	BD07258224	HP01	HP04	3.110, 4.100, 6.100, 6.110, 6.200
	BD0725822B	HP01	HP05	3.110, 4.100, 6.100, 6.110, 6.200
146 GB, 10K RPM	BD14656ABC	HP09 ¹	HP0A	3.110, 4.100, 6.100, 6.110, 6.200
	BD14658225	HP01	HP04	3.110, 4.100, 6.100, 6.110, 6.200
	BD14655B2A	HP05	HP07	3.110, 4.100, 6.100, 6.110, 6.200
	BD1465822C	HP01	HP05	3.110, 4.100, 6.100, 6.110, 6.200
	BD1465B778	HP01	HP01	3.110, 4.100, 6.100, 6.110, 6.200
300 GB, 10K RPM	BD30058226	HP00	HP04	3.110, 4.100, 6.100, 6.110, 6.200
	BD30058232	HP00	HP05	3.110, 4.100, 6.100, 6.110, 6.200
	BD3005B779	HP01	HP01	3.110, 4.100, 6.100, 6.110, 6.200
	BD300DADFP	HP02	HP02	3.110, 4.100, 6.100, 6.110, 6.200

Fibre Channel disk	HP model displayed in HP Command View EVA	Minimum supported firmware version	Recommended firmware version	Supported controller software version
400 GB, 10K RPM	BD400DADFQ	HP01	HP01	09001000, 09003000, 09004000, 09006000

¹On VCS 3.110, the minimum supported version is HP0A.

Table 2 Online disk drives — 15K RPM

Fibre Channel disk	HP model displayed in HP Command View EVA	Minimum supported firmware version	Recommended firmware version	Supported controller software version
36 GB, 15K RPM	BF03653005	HP01	HP02	3.110, 4.100, 6.100, 6.110, 6.200
	BF03654564	3BE9	3BE9	3.110, 4.100, 6.100, 6.110, 6.200
	BF03655B2B	HP05	HP07	3.110, 4.100, 6.100, 6.110, 6.200
	BF03658242	HP00 ¹	HP03	3.110, 4.100, 6.100, 6.110, 6.200
	BF036D8617	HP04	HP04	3.110, 4.100, 6.100, 6.110, 6.200
72 GB, 15K RPM	BF07255B2C	HP05	HP07	3.110, 4.100, 6.100, 6.110, 6.200
	BF0725754B	HP05	HP06	3.110, 4.100, 6.100, 6.110, 6.200
	BF07258243	HP00	HP03	3.110, 4.100, 6.100, 6.110, 6.200
	BF07258222	HP04	HP06	3.110, 4.100, 6.100, 6.110, 6.200
	BF0725A692	HP01	HP04	3.110, 4.100, 6.100, 6.110, 6.200
	BF0725A476	HP00	HP02	3.110, 4.100, 6.110, 6.200
	BF072D6186	HP04	HP04	3.110, 4.100, 6.100, 6.110, 6.200
146 GB, 15K RPM	BF14658244	HP00	HP03	3.110, 4.100, 6.100, 6.110, 6.200
	BF14658227	HP04	HP06	3.110, 4.100, 6.100, 6.110, 6.200

Fibre Channel disk	HP model displayed in HP Command View EVA	Minimum supported firmware version	Recommended firmware version	Supported controller software version
	BF1465A693	HP01	HP04	3.110, 4.100, 6.100, 6.110, 6.200
	BF1465A477	HP00	HP02	3.110, 4.100, 6.100, 6.110, 6.200
	BF146DA47A	HP00	HP02	3.110, 4.100, 6.100, 6.110, 6.200, 09001000, 09003000, 09004000, 09006000
	BF146DA47C	HP04	HP04	3.110, 4.100, 6.100, 6.110, 6.200, 09001000, 09003000, 09004000, 09006000
300 GB, 15K RPM	BF3005A478	HP00	HP02	3.110, 4.100, 6.100, 6.110, 6.200
	BF300DA47B	HP00	HP02	3.110, 4.100, 6.100, 6.110, 6.200, 09001000, 09003000, 09004000, 09006000
	BF300DA482	HP04	HP04	3.110, 4.100, 6.100, 6.110, 6.200, 09001000, 09003000, 09004000, 09006000
	BF300D6188	HP02	HP02	3.110, 4.100, 6.100, 6.110, 6.200
450 GB, 15K RPM	BF450DA483	HP04	HP04	6.100, 6.110, 6.200, 09001000, 09003000, 09004000, 09006000

Fibre Channel disk	HP model displayed in HP Command View EVA	Minimum supported firmware version	Recommended firmware version	Supported controller software version
	BF450D6189	HP02	HP02	6.100, 6.110, 6.200

¹On VCS 3.110, the minimum supported version is HP01.

Table 3 Near-online (FATA) disk drives

Fibre Channel disk	HP model displayed in HP Command View EVA	Minimum supported firmware version	Recommended firmware version	Supported controller software version
250 GB, 10K RPM	ND2505823A	HP00	HP04	3.110, 4.100, 6.100, 6.110, 6.200
	ND25058238	HP00	HP05	3.110, 4.100, 6.100, 6.110, 6.200
	ND2505AGXU	HP00	HP00	3.110, 4.100, 6.100, 6.110, 6.200
400 GB, 7.2K RPM	NB40059392	HP02	HP03	3.110, 4.100, 6.100, 6.110, 6.200
500 GB, 7.2K RPM	NB50058855	HP02	HP03	3.110, 4.100, 6.100, 6.110, 6.200
	NB500DA48A	HP03	HP05	3.110, 4.100, 6.100, 6.110, 6.200
1,000 GB, 7.2K RPM	NB1000D4450 ¹	HP03 ²	HP05	6.100, 6.110, 6.200, 09001000, 09003000, 09004000, 09006000

¹On the EVA4000/4100/6x00/8x00, a minimum of XCS 6.100 is required. On the EVA4400, a minimum of XCS 09001000 is required.

²HP strongly recommends that you use the recommended version of HP04. If you add this disk drive with firmware version HP03, ensure that the array is powered off.

Downloading disk drive firmware

You can download the disk drive firmware bundled image and installation instructions at:

<http://www.hp.com/support/evadiskfirmware>

1. Click **HP StorageWorks EVA Hard Disk Drive Bundle**.
2. Click **Cross operating system (BIOS, Firmware, Diagnostics, etc.)**.
3. Do one of the following:
 - To download the bundled image, click **Download**.
 - To view documentation, click **HP StorageWorks EVA HDD Firmware Bundled Image** under Description and then click **Installation Instructions**.