

HP XC System Software Master Firmware Tables Version 3.2



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1 Master Firmware Versions

1.1 Overview

The tables in this document list the minimum firmware versions required for correct operation of HP XC System Software Version 3.2. HP recommends that you install the latest released firmware version which may be newer than the versions listed in this document.

This document lists the minimum firmware versions for the following components:

- “ProCurve Switches”
- “Cluster Platform 3000”
- “Cluster Platform 3000BL”
- “Cluster Platform 4000”
- “Cluster Platform 4000BL”
- “Cluster Platform 6000”
- “Interconnects”
- “MP, iLO, and LO100i Console Port Management Devices”

1.2 Guidelines



IMPORTANT: Read these guidelines before installing or upgrading firmware on HP XC system components.

- **Never** downgrade to an older version of firmware unless you are specifically instructed to do so by the HP XC Support Team.
- This document clearly lists newer versions of the firmware that are known to be incompatible (that is, not backwards compatible). Incompatible versions are highlighted in **bold font**. **Do not install these known incompatible firmware versions because unexpected system behavior might occur.**
- There is always the possibility that a regression in functionality is introduced in a firmware version. It is possible that the regression could cause anomalies in HP XC operation. Report HP XC operation regressions that result from firmware upgrades to the HP XC Support Team:
xc_support@hp.com
- Contact the HP XC Support Team if you are not sure what to do regarding firmware versions.

1.3 ProCurve Switches

It is important that all switches are at the same firmware version.

Table 1-1 Minimum Firmware Versions for ProCurve Switches

Component	Minimum Firmware Version
ProCurve Switch 2650	H.08.77 NOTE: In firmware version H.07.57, the protocol for discovering neighboring switches changed from Cisco Discovery Protocol (CDP) to Link Layer Discovery Protocol (LLDP). If one switch is installed with this or later firmware version, and thus is using the LLDP protocol, all switches in the XC system must be running this or later firmware version.
ProCurve Switch 2848/2824	I.08.74 NOTE: In firmware version I.08.74, the protocol for discovering neighboring switches changed from Cisco Discovery Protocol (CDP) to Link Layer Discovery Protocol (LLDP). If one switch is installed with this or later firmware version, and thus is using the LLDP protocol, all switches in the XC system must be running this or later firmware version.

1.4 Cluster Platform 3000

Table 1-2 Minimum Firmware Versions for CP3000 Specific Components

Component	Minimum Firmware Version
HP ProLiant DL140 G2 server	ProLiant System BIOS 004 1.11 Released 03/25/2005
HP ProLiant DL140 G3 server	BIOS 1.13 ¹ Release Date: 05/18/2007
HP ProLiant DL360 G4 server	ProLiant System BIOS P52 Released 2004.12.02
HP ProLiant DL360 G4p server	ProLiant System BIOS P54 Released 01/12/2005
HP ProLiant DL360 G5 server	ProLiant System BIOS P58 Released 06/13/2006
HP ProLiant DL380 G4 server	ProLiant System BIOS 2004.12.02 Released 1/12/2005
HP ProLiant DL380 G5 server	ProLiant System BIOS P56 Released 06/13/2006
HP xw8200 workstation	1.08
HP xw8400 workstation	01.13

¹ When you install BIOS Version 1.13, you must download and install the XCV3 . 2 - X86_64 - 447221 patch because firmware versions 1.13 and 1.14 reorder bus IDs.

HP XC patches are available from the HP IT Resource Center (ITRC) website:

<http://www.itrc.hp.com/>

1.5 Cluster Platform 3000BL

Table 1-3 Minimum Firmware Versions for CP3000BL Specific Components

Component	Minimum Firmware Version
HP ProLiant BL460c Server Blade	BIOS: I15 09/05/2006
HP ProLiant BL480c Server Blade	BIOS: I14 06/21/2006
C7000 Onboard Administrator	1.20

1.6 Cluster Platform 4000

Table 1-4 Minimum Firmware Versions for CP4000 Specific Components

Component	Minimum Firmware Version
HP ProLiant DL145 G1 server	ProLiant System BIOS 4.07 Released 03/22/2005
HP ProLiant DL145 G2 server	BIOS Firmware: 2.16 (A)
HP ProLiant DL145 G3 server	BIOS o09 2006.10.27
HP ProLiant DL 385 G1 server	A05 BIOS 2006.03.01
HP ProLiant DL 385 G2 server	BIOS A09 2006.08.24
HP ProLiant DL585 G1 server	ProLiant System BIOS (A01) 2006.03.22 Released 4/11/06
HP ProLiant DL585 G2 server	BIOS A07 2006.08.30
HP xw9300 workstation	2.05 Do not use Versions 2.0 or 2.02
HP xw9400	BIOS Firmware: 2.02

1.7 Cluster Platform 4000BL

Table 1-5 Minimum Firmware Versions for CP4000BL Specific Components

Component	Minimum Firmware Version
HP ProLiant BL465c Server Blade	BIOS: A13 8/24/2006
HP ProLiant BL685c Server Blade	BIOS: A08 10/20/2006
C7000 Onboard Administrator	1.20

1.8 Cluster Platform 6000

Table 1-6 Minimum Firmware Versions for CP6000 Specific Components

Component	Minimum Firmware Version
HP Integrity rx1620 server	<ul style="list-style-type: none">• BMC Firmware: 03.48• EFI Firmware: 02.10• System Firmware: 02.11
HP Integrity rx2600 server	<ul style="list-style-type: none">• BMC Firmware: 01.53• EFI Firmware: 01.22• System Firmware: 02.31

Table 1-6 Minimum Firmware Versions for CP6000 Specific Components *(continued)*

Component	Minimum Firmware Version
HP Integrity rx2620 server	<ul style="list-style-type: none"> • BMC Firmware: 04.01 • EFI Firmware: 05:46 • System Firmware: 04.10 • MP Firmware: E.03.28
HP Integrity rx2660 server	<ul style="list-style-type: none"> • BMC Firmware: to be supplied • EFI Firmware: • System Firmware: • MP Firmware:
HP Integrity rx4640 server	<ul style="list-style-type: none"> • MP Firmware: E.03.15 • BMC Firmware: 03.49 • EFI Firmware: 03.14 • System Firmware: 03.17
HP Integrity rx8620 server	<ul style="list-style-type: none"> • Firmware Release: 4.2 • MP Firmware: A.7.008

1.9 Interconnects

Table 1-7 Minimum Firmware Versions for Interconnects

Component	Minimum Firmware Version
Quadrics ELAN4 Qsnet ^{II} ®	Switch Firmware Version 44–6051299
Myricom Myrinet®	<ul style="list-style-type: none"> • Switch Firmware Version 1.0.14 • Switch Firmware Version 9.6.6 (for the 256 port switch)
InfiniBand®	<p>Switch Management Board (SMB) Software</p> <ul style="list-style-type: none"> • ISR 9024 switches: Version: 3.4.5 CAUTION: If the switch is installed with firmware Version 3.2 or older, you must first install firmware Version 3.3.n before upgrading to firmware Version 3.4.5. Date: Aug 24 2006 02:37:44 PM Build Id: 463 • ISR 9096 and 9288 switches Version: 3.4.2 Date: Jan 03 2006 12:56:59 PM Build Id: 375 • Host Channel Adapter Boards for PCI-X Firmware Version = 3.5 • Host Channel Adapter Boards for PCI-Express Firmware Version = 4.7.927 • 9024 Single Data Rate (SDR) Chip Firmware Version = 0.8.4 • SDR Line Board Firmware Version = 0.8.4 • SDR Spine Board Firmware Version = 0.8.4 • 9024 Double Data Rate (DDR) Chip Firmware Version = 0.8.4 • DDR Line Board Firmware Version = 0.8.6 • DDR Spine Board Firmware Version = 0.8.6 • IB PCI-X Card Version = 3.5 • IB PCI Express Card Version = 4.7.927 • HP Server Blade Mezzanine and 25204 Mem Free HCA boards Firmware Version = 1.2

1.10 MP, iLO, and LO100i Console Port Management Devices

Table 1-8 Minimum Firmware Versions for Console Port Management Devices

Component	Minimum Firmware Version
Management Processors (MP)	3.15
Integrated Lights Out (iLO)	1.82
iLO2 for HP ProLiant	1.20
LO100i (also known as Base Motherboard Controller (BMC))	<ul style="list-style-type: none">• HP ProLiant DL140 G2: 1.25• HP ProLiant DL140 G3: 2.11• HP ProLiant DL145 G1: 2.01• HP ProLiant DL145 G2: 1.25• HP ProLiant DL145 G3: 2.10 <p>Before you begin a software upgrade to HP XC Version 3.2, read the <i>HP XC System Software Release Notes</i> for information about updating BMC firmware on the HP ProLiant DL140 and DL145 G2 hardware models.</p>

