

Minimum Firmware Requirements

HP-UX 11i v2 (B.11.23) Update 2



Manufacturing Part Number: 5991-0703

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United States

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Revision History

Revision Edition 1 October 2004
This first edition lists the minimum firmware requirements for HP-UX 11i v2 (B.11.23) Update 2, September 2004 or later updates for entry-level, mid-range, and high-end HP Integrity Systems and HP 9000 Servers.

Typographic Conventions

We use the following typographical conventions.

<code>audit(5)</code>	HP-UX manpage. <i>audit</i> is the name and <i>5</i> is the section in the <i>HP-UX Reference</i> . On the web and on the Instant Information DVD, it may be a hot link to the manpage itself. From the HP-UX command line, you can enter " man audit " or " man 5 audit " to view the manpage. See <code>man(1)</code> .
<i>Book Title</i>	Title of a book. On the web and on the Instant Information DVD, it may be a hot link to the book itself.
Command	Command name or qualified command phrase.
<code>ComputerOut</code>	Text displayed by the computer.
<i>Emphasis</i>	Text that is emphasized.
Emphasis	Text that is strongly emphasized.
KeyCap	Name of a keyboard key. Note that Return and Enter both refer to the same key.
<i>Term</i>	Defined use of an important word or phrase.
UserInput	Commands and other text that you type.
<i>Variable</i>	Name of a variable that you may replace in a command or function or information in a display that represents several possible values.
[]	Contents are optional in formats and command descriptions. If the contents are a list separated by , you must choose one of the items.
{ }	Contents are required in formats and command descriptions. If the contents are a list separated by , you must choose one of the items.
...	Preceding element may be repeated an arbitrary number of times.
	Separates items in a list of choices.

Table of Contents

1. Minimum Firmware Requirements	6
Other Firmware Resources	7
Minimum Firmware Requirements Tables	8
Minimum Firmware for Entry-Level HP Integrity Systems	9
Minimum GSP Firmware for Entry-Level HP 9000 Servers	10
Minimum PDC Firmware for Entry-Level HP 9000 Servers	11
Minimum Firmware for Entry-Level HP 9000 Servers	12
Minimum Firmware for HP 9000 and HP Integrity Mid-Range and High-End Servers	13
Glossary	14
Index	15

List of Tables

1.1. Minimum Firmware for Entry-Level HP Integrity Systems	9
1.2. Minimum GSP Firmware for Entry-Level HP 9000 Servers	10
1.3. Minimum PDC Firmware for Entry-Level HP 9000 Servers	11
1.4. Minimum Firmware for Entry-Level HP 9000 Servers	12
1.5. Minimum Firmware for HP 9000 and HP Integrity Mid-Range and High-End Servers	13

Chapter 1. Minimum Firmware Requirements

This document lists the minimum firmware requirements for the September 2004 release and later updates of HP-UX 11i v2 (B.11.23). It addresses entry-level, mid-range, and high-end systems:

- HP Integrity Itanium-based Servers and Workstations
- HP 9000 PA-RISC Servers

Important



This document contains minimum firmware requirements; HP strongly advises that you check for the latest versions of firmware that are available for your systems.

Other Firmware Resources

- For HP 9000 entry-level, mid-range, and high-end firmware and software patches, use the ITRC:

1. Log in to the ITRC at <http://itrc.hp.com>.

Note



Please log in to the appropriate site (Americas/Asia-Pacific or European).

HP Integrity mid-range and high-end firmware is also found on the ITRC.

2. Select the **patch/firmware database** link.

- For HP Integrity entry-level server firmware, go to the Support & Drivers Web page:

<http://welcome.hp.com/country/us/en/support.html>

Note



HP Integrity mid-range and high-end firmware is found on the ITRC.

- For other firmware documents, go to the HP Technical Documentation Web site:

- System Firmware for PCI I/O Adapters and HP-UX 11.23 Boot Support:

<http://docs.hp.com/hpux/os/11iv2/index.html#System%20Firmware>

- System Firmware for PCI I/O Adapters and HP-UX 11.00/11.11 Boot Support:

<http://docs.hp.com/hpux/os/11i/index.html#System%20Firmware>

Minimum Firmware Requirements Tables

The following tables list the minimum firmware requirements by system:

- Table 1.1: “Minimum Firmware for Entry-Level HP Integrity Systems” [9]
- Table 1.2: “Minimum GSP Firmware for Entry-Level HP 9000 Servers” [10]
- Table 1.3: “Minimum PDC Firmware for Entry-Level HP 9000 Servers” [11]
- Table 1.4: “Minimum Firmware for Entry-Level HP 9000 Servers” [12]
- Table 1.5: “Minimum Firmware for HP 9000 and HP Integrity Mid-Range and High-End Servers” [13]

Minimum Firmware for Entry-Level HP Integrity Systems

Table 1.1. Minimum Firmware for Entry-Level HP Integrity Systems

System	BMC	MP ^{ab}	SFW ^c	HP-UX 11.23 SFW Patch ^d
HP Integrity cx2600	01.10	E.02.29	02.26	Not Available
HP Integrity rx1600	02.33		01.10	PHSS_31975
HP Integrity rx2600	01.52		02.31	PHSS_30809
HP Integrity rx4640	02.35		02.13	PHSS_30806
HP Integrity rx5670	01.30		03.23	PHSS_29649
zx2000	01.52		02.31	Not Available
zx6000	01.52		02.31	Not Available

^a Upgrade older systems to MP E.02.26 before updating to latest MP revision. Systems running HP-UX 11.23 can use PHSS_30680 for MP E.02.29 update.

^b The PHSS_30680 patch (for MP FW updates) must be installed separately from the other HP-UX 11.23 SFW patches.

^c HP-UX 11.23 SFW patches do not include MP firmware. These firmware patches have Special Installation Instructions.

^d These firmware patches have Special Installation Instructions.

Minimum GSP Firmware for Entry-Level HP 9000 Servers

Table 1.2. Minimum GSP Firmware for Entry-Level HP 9000 Servers

System	GSP^a	CPU Patch Name
rp2400/rp2450	A.01.12	PF_CPREGSPA0112
rp2400/rp2450	C.02.14	PF_CHARGSPC0214
rp2430/rp2470	C.02.14	PF_CHARGSPC0214
rp5400/rp5450	A.01.12	PF_CPREGSPA0112
rp5430/rp5470	B.02.20	PF_CCANGSPB0220
rp7400	A.01.12	PF_CPREGSPA0112
rp7400	B.02.20	PF_CCANGSPB0220

^a GSP B and C revision patches have HP-UX 11.11 patch dependencies: PHNE_26326 and PHCO_27243. Install these patches or superseding patches before updating GSP firmware.

Minimum PDC Firmware for Entry-Level HP 9000 Servers

Table 1.3. Minimum PDC Firmware for Entry-Level HP 9000 Servers

System	PDC^a	HP-UX 11.00 PDC Patches	HP-UX 11.11 PDC Patches	CPU Patch Name
rp2400/rp2450	43.50	PHSS_31925	PHSS_30726	PF_CHAW4350
rp2430/rp2470	43.50	PHSS_31925	PHSS_30726	PF_CHAW4350
rp5400/rp5450	44.28	PHSS_31800	PHSS_31801	PF_CRHW4428
rp5430/rp5470	44.12	PHSS_30839	PHSS_30632	PF_CARIW4412
rp7400	43.43	PHSS_31214	PHSS_30724	PF_CPIW4343

^a To obtain system firmware information, please review the patch text file.

Minimum Firmware for Entry-Level HP 9000 Servers

Table 1.4. Minimum Firmware for Entry-Level HP 9000 Servers

System	PDC	BMC	MP	HP-UX 11.11 Patches^a
rp3410/rp3440 ^{bc}	44.24	02.34	E.02.29	PHSS_30838
rp4410/rp4440 ^b	44.21	02.37	E.02.29	PHSS_31161

^a Equivalent CPU patches are not available.

^b If the currently installed firmware is older than E.02.10 then updating to GSP firmware revision E.02.29 requires updating to E.02.10 first.

^c Upgrades to MP firmware beyond E.02.26 will require updating to MP firmware revision E.02.26 first.

Minimum Firmware for HP 9000 and HP Integrity Mid-Range and High-End Servers

Table 1.5. Minimum Firmware for HP 9000 and HP Integrity Mid-Range and High-End Servers

System ^a	IA SFW, PA SFW, or PDC	Release or Version	CPU Patch Name
HP 9000 rp7405/rp7410/rp8400	PDC 17.008	v6.3	PF_CKEYMAT0603
HP 9000 rp7420/rp8420	PA SFW 21.003	v2.0	PF_CRAIMED0200
HP Integrity rx7620/rx8620	IA SFW 1.015	v2.0	PF_COLYEIG0200
HP 9000 Superdome PA8600-PA8700	PDC 36.7	rel_5.4	PF_CSF0008
HP 9000 Superdome	PA SFW 21.2	rel_4.0	PF_CIDOMEH0400 or PF_CIDOMEW0400 ^b
HP Integrity Superdome	IA SFW 2.22	rel_4.0	PF_CIDOMEH0400 or PF_CIDOMEW0400 ^b

^a For firmware updates on these system models, please contact HP Support.

^b Use PF_CIDOMEH0400 for the HP-UX Support Management Station and use PF_CIDOMEW0400 for the Windows® Support Management Station.

Glossary

This glossary provides terms used in this document.

BMC	Baseboard Management Controller
GSP	General Service Processor (equivalent to MP)
IA SFW	Intel® Itanium® 2 System Firmware
MP	Management Processor (equivalent to GSP)
PA SFW	PA-RISC System Firmware (equivalent to PDC)
PDC	Processor Dependent Code (equivalent to PA SFW)
SEU	Server Expansion Unit
SFW	System Firmware

Index

C

comments, 2
contact information, 2
conventions, typographic, 3

F

feedback form, 2
firmware, 6

- entry-level HP 9000 Servers, 10–12
- entry-level HP Integrity, 9
- entry-level server, 7
- GSP, 10
- high-end server, 7
- HP 9000 Servers, 13
- HP Integrity high-end servers, 13
- HP Integrity mid-range servers, 13
- ITRC, 7
- latest, 6
- mid-range server, 7
- PCI I/O adapters, 7
- PDC, 11
- resources, 7
- system, 7

G

GSP, 10

H

hardware, 6

I

ITRC

- firmware, 7

M

minimum, 6

P

PCI I/O adapters, 7
PDC, 11

R

requirements, 6
resources

- firmware, 7

S

systems, 6

T

typographic conventions, 3

U

U.S. Government License, 2

W

warranty, 2