

System Firmware Matrixes

HP-UX 11i v3, HP-UX11i v2, Dynamic nPartitions,
and PCI I/O Adapters

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About This Document

Use these tables to find the *minimum* system firmware (SWF) requirements for HP-UX 11i v3, HP-UX11i v2, Dynamic nPartitions, and PCI I/O adapters in Itanium® and PA-RISC systems. If both the system and adapter support another operating system (earlier versions of HP-UX, Open VMS, Linux, or Windows®) these minimum SFW levels may be used.

A new OS version may require a SFW update. A new OS version may require system features which were optional in the previous OS version, or in a different OS. To enable those system features the minimum SFW level must be raised. Earlier versions of HP-UX and other operating systems *may* run the listed PCI I/O adapters with an earlier system firmware version. To find this information, see the support matrixes for the various I/O card technologies, at <http://docs.hp.com> under *I/O Cards and Networking Software*. **HP recommends using the latest version of firmware.**

Document Organization

This document is organized as follows:

Chapter 1 (page 5)	Use this chapter to find the minimum system firmware requirements for HP-UX systems.
Chapter 2 (page 7)	Use this chapter to find the minimum system firmware requirements to use Dynamic nPartitions.
Chapter 3 (page 8)	Use this chapter to find the minimum system firmware requirements for PCI I/O adapters in HP Integrity Itanium systems.
Chapter 4 (page 14)	Use this chapter to find the minimum system firmware requirements for PCI I/O adapters in PA-RISC systems.

Related Information



IMPORTANT: HP recommends using the latest version of firmware.

Updating Firmware

Use Subscriber's Choice for Latest Firmware Updates. HP recommends that you sign-up for Subscriber's Choice so you can automatically receive email notices for the latest firmware updates. Make sure you register all your products to receive the appropriate firmware update notices.

Use the Business Support Center Web Site. You can also go to the Business Support Center Web site at <http://www.hp.com/go/bizsupport> for the latest HP-UX 11i firmware updates. The IT Resource Center (ITRC) Web site at <http://itrc.hp.com> also provides a link to the Business Support Center.

The system firmware files, installation instructions, and release notes with detailed firmware version information can be obtained by selecting *Download Drivers and Software* at <http://www.hp.com/go/bizsupport>. This provides a searchable database for various products or you can follow the product links to select the latest FW download for your specific server product. Be sure to read the Release Notes for the firmware to ensure a successful update.

In general, HP recommends that you update to the latest firmware available before installing or updating to HP-UX 11i v3.



CAUTION: HP recommends only using BMC and iLO MP firmware levels consistent with the SFW level being used.

HP Firmware Manager

You can update firmware by using the HP Firmware Manager (HP FM). HP FM is a set of tools for updating firmware on an HP Integrity or PA-RISC system. HP FM is packaged with the firmware and distributed via the web.

HP FM provides two methods of updating firmware. The method to use depends on whether or not the operating system is running on the system:

HP OS-Initiated Firmware Manager (HP OSIFM) Use HP OSIFM if the HP-UX, Linux, or Windows operating system is running. HP OSIFM provides a firmware package in a patch or product file for HP-UX and a Smart Component for Windows and Linux. You download the patch, product, or Smart Component to a system and then use the operating system to update the firmware.

HP Offline Firmware Manager (HP OFM) Use HP OFM if the operating system is not running or to update the firmware for a device in the boot path. HP OFM provides a firmware package as an .ISO image that you download to a system to create a CD. You then use the CD to boot the system and update the firmware. HP OFM is available only for HP Integrity systems.

For more information about downloading and updating firmware using FM, see the HP Firmware Manager User's Guide under the System Firmware section of the HP Technical Documentation web site:

<http://www.docs.hp.com/en/hw.html#System%20Firmware>

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1 HP-UX Minimum System Firmware



NOTE: “NS” means Not Supported in System.



IMPORTANT: HP recommends using the latest version of firmware.

Table 1-1 HP-UX 11i v3 Minimum System Firmware

System	HP-UX 11i v3 Minimum Firmware Level
HP Integrity Itanium Systems	
rx1600 & rx1620 Servers	04.13
rx2600 Server	02.31
rx2620 Server	04.10
rx2660 Server ¹	01.05
rx3600 & rx6600 Servers ¹	01.31
rx4640 Server	04.10
rx5670 Server	03.23
rx7620, rx8620 & rx8620 IOX	4.2
rx7640, rx8640 & rx8640 IOX	2.0
SuperDome sx1000 chipset	FW version rel_6.2
SuperDome sx2000 chipset	FW version Recipe 5.5d
HP 9000 PA-RISC Servers	
rp2400/2450	Not Supported
rp2430/2470	Not Supported
rp34xx	PDC 45.44
rp44xx	PDC 45.44
rp5400 & rp5450	Not Supported
rp5430 & rp5470	Not Supported
rp7400	Not Supported
rp7405 & rp7410	FW Version 6.5
rp7420, rp8420 & rp8420 IOX	FW Version 3.2
rp8400	FW Version 6.5
rp7440, rp8440, rp8440 IOX	Firmware Version 6.5
HP 9000 SuperDome PA 8600/PA 8700	FW Version rel_5.5 (PDC FW version 36.8, Utilities 7.34)
HP 9000 SuperDome PA 8800/PA 8900	FW version rel_6.2

¹ HP-UX 11i v3 does not currently support HP rx2660, rx3600 and rx6600 servers with the PCI/PCI-X/PCI-E backplane. This is expected to be supported in a subsequent release.



NOTE: “NS” means Not Supported in System.



IMPORTANT: HP recommends using the latest version of firmware.

Table 1-2 HP-UX 11i v2 Minimum System Firmware

System	HP-UX 11i v2 Minimum Firmware Level
HP Integrity Systems	
cx2600 Server	02.26
rx1600 Server	01.10
rx2600 Server	02.31
rx4640	02.13
rx5670	03.23
zx2000	02.31
zx6000	02.31
rx7620/rx8620	IA SFW 1.015 version 2.0
Superdome sx1000 chipset	IA SFW 2.22 rel_4.0
HP 9000 PA-RISC Servers	
rp2400/2450	PDC 43.50
rp2430/2470	PDC 43.50
rp3410/rp3440	PDC 44.24
rp4410/rp4440	PDC 44.21
rp5400 & rp5450	PDC 44.28
rp5430 & rp5470	PDC 44.12
rp7400	PDC 43.43
HP 9000 rp7405/rp7410/rp8400	PDC 17.008 version 6.3
HP 9000 rp7420/rp8420	PA SFW 21.003 version 2.0
HP 9000 Superdome PA 8600/PA8700	PDC 36.7 rel_5.4
HP 9000 Superdome PA 8800/PA8900	PA SFW 21.2 rel_4.0

2 Dynamic nPartitions Minimum System Firmware

Dynamic nPartitions is an optional feature introduced with the September 2007 Operating Environment Update Release (OEUR) to HP-UX 11i v3. The feature enables online changes to the composition of nPartitions through the parolrad command. Dynamic nPartitions requires firmware versions beyond the minimum required for HP-UX 11i v3.



IMPORTANT: HP recommends using the latest version of firmware.

Table 2-1 HP-UX 11i v3 Minimum System Firmware to support the optional Dynamic nPartitions feature

System	Minimum System Firmware Level
HP Integrity Itanium Systems	
rx7620, rx8620 & rx8620 IOX	11.5
rx7640, rx8640 & rx8640 IOX	4.0
SuperDome sx1000 chipset	5.5
SuperDome sx2000 chipset	8.6a
HP 9000 PA-RISC Servers	
rp7420, rp8420 & rp8420 IOX	9.2 B
rp7440, rp8440, rp8440 IOX	1.1
HP 9000 SuperDome PA 8800/PA 8900	4.2
HP 9000 Superdome with sx2000	7.3d

Other HP servers do not support dynamic nPartitions.

3 HP Integrity Itanium Systems



NOTE: "NS" means Not Supported in System.



IMPORTANT: HP recommends using the latest version of firmware.

Table 3-1 Itanium Entry Class Servers Minimum SFW

HP HBA Part Number	rx1600 & rx1620	rx2600	rx2620	rx2660	rx3600 & rx6600	rx4640	rx5670
Z7340A	NS	NS	NS	NS	NS	4.10	3.23
J3592A ³	NS	NS	NS	NS	NS	NS	NS
J3526A ³	NS	NS	NS	NS	NS	NS	NS
J3525A	04.13	02.31	04.10	01.05	01.31	04.10	03.23
AD332A	04.13	02.31	04.10	01.05	NS	04.10	03.23
AD331A	04.13	02.31	04.10	01.05	NS	04.10	03.23
AD279A	04.13 ⁴	02.31	04.10	01.05	NS	04.10	03.23
AD278A	04.13 ⁴	02.31	04.10	01.05	NS	04.10	03.23
AD194A	04.13	02.31	04.10	01.05	01.31	04.10	NS
AD193A	04.13	02.31	04.10	01.05	01.31	04.10	NS
AB551A	04.31 ⁴	02.31	04.10	01.05	01.31	04.10	NS
AB545A	01.10	02.31	03.10	01.05	01.31	04.10	NS
AB465A	01.10	02.31	03.10	01.05	01.31	02.13	NS
AB379B	NS	NS	04.10	01.05	01.31	04.10	NS
AB379A	NS	NS	04.10	01.05	01.31	NS	NS
AB378B	NS	NS	04.10	01.05	01.31	04.10	NS
AB378A	NS	NS	04.10	01.05	01.31	NS	NS
AB352-60003	NS	NS	NS	NS	01.31	04.10	NS
AB345C ³	04.13	02.31	04.10	01.05	NS	4.10	03.23
AB345A ³	04.13	02.31	04.10	01.05	01.31	04.10	03.23
AB290A	01.10	02.31	03.10	01.05	01.31	02.13	NS
AB287A	01.10	02.31	03.10	01.05	01.31	NS	NS
AB286C	04.13	02.31	04.10	01.05	01.31	04.10	03.23
AB286A ³	04.13	02.31	04.10	01.05	01.31	04.10	03.23
A9891A	01.10	02.31	03.10	01.05	01.31	NS	03.23
A9890A	01.10	02.31	03.10	01.05	01.31	02.13	03.23
A9784A	04.13	02.31	03.10	01.05	01.31	02.13	03.23
A9782A	04.13	02.31	03.10	01.05	01.31	02.13	03.23
A7173A	01.10	02.31	03.10	01.05	01.31	02.13	03.23

Table 3-1 Itanium Entry Class Servers Minimum SFW (continued)

HP HBA Part Number	rx1600 & rx1620	rx2600	rx2620	rx2660	rx3600 & rx6600	rx4640	rx5670
A7143A ³	NS	NS	NS	NS	NS	NS	NS
A7012A	01.10	02.31	03.10	01.05	01.31	02.13	03.23
A7011A	01.10	02.31	03.10	01.05	01.31	02.13	03.23
A6869B	NS	NS	NS	NS	NS	NS	NS
A6869A ³	NS	NS	NS	NS	NS	NS	03.23
A6847A	01.10 ¹	02.31	03.10 ²	01.05	01.31	02.13	03.23
A6829A ³	01.10	02.31	03.10	01.05	NS	02.13	03.23
A6828A ³	01.10	02.31	03.10	01.05	NS	02.13	03.23
A6826A	01.10	02.31	03.10	NS	NS	02.13	03.23
A6825A	01.10 ¹	02.31	03.10 ²	01.05	01.31	02.13	03.23
A6795A	01.10	02.31	03.10	NS	NS	02.13	03.23
A6793A A9918A A6794AX	NS	NS	NS	NS	NS	NS	03.23
A6792A ³	NS	NS	NS	NS	NS	NS	NS
A6386A	04.13	02.31	04.10	NS	NS	04.10	03.23
A6150B ³	NS	NS	NS	NS	NS	NS	NS
A6150A ³	NS	NS	NS	NS	NS	NS	NS
A6749A ³	NS	02.31	04.10	NS	NS	04.10	03.23
A6748A ³	NS	02.31	04.10	NS	NS	04.10	03.23
A6092A ³	NS	NS	NS	NS	NS	NS	NS
A5856A ³	NS	NS	NS	NS	NS	NS	NS
A5838A ³	04.13 ²	02.31 ²	04.10 ²	NS	NS	04.10 ²	03.23 ²
A5801A ³	NS	NS	NS	NS	NS	NS	NS
A5783A ³	NS	02.31	04.10	NS	NS	NS	03.23
A5515A ³	NS	NS	NS	NS	NS	NS	NS
A5513A ³	NS	02.31	04.10	NS	NS	04.10	03.23
A5506B ³	04.13 ²	02.31 ²	04.10 ²	NS	NS	04.10 ²	03.23 ²
A5486A ³	NS	NS	NS	NS	NS	NS	NS
A5483A ³	NS	NS	NS	NS	NS	NS	NS
A5230A ³	04.13 ²	02.31 ²	04.10 ²	NS	NS	04.10 ²	03.23 ²
A5172A ³	NS	NS	NS	NS	NS	NS	NS
A5159B ³	NS	NS	NS	NS	NS	NS	NS
A5159A ³	NS	NS	NS	NS	NS	NS	03.23
A5158A ³	NS	NS	NS	NS	NS	NS	03.23

Table 3-1 Itanium Entry Class Servers Minimum SFW (continued)

HP HBA Part Number	rx1600 & rx1620	rx2600	rx2620	rx2660	rx3600 & rx6600	rx4640	rx5670
A5150A ³	NS	NS	NS	NS	NS	NS	03.23
A5149A ³	NS	NS	NS	NS	NS	NS	03.23
A4930A ³	NS	NS	NS	NS	NS	NS	NS
A4929A ³	NS	NS	NS	NS	NS	NS	03.23
A4926A ³	NS	NS	NS	NS	NS	NS	03.23
A4919A ³	NS	NS	NS	NS	NS	NS	NS
A4800A ³	NS	NS	NS	NS	NS	NS	NS
A3740A ³	NS	NS	NS	NS	NS	NS	NS
A3739B ³	04.13 ⁴	02.31	NS	NS	NS	04.10	03.23
A3739A ³	NS	NS	NS	NS	NS	NS	NS
A3738A ³	NS	NS	NS	NS	NS	NS	NS
435234-001	NS	NS	NS	NS	01.31	NS	NS
399490-001	NS	NS	NS	NS	01.31	NS	NS
012760-002 012764-004	NS	NS	NS	NS	NS	NS	NS
012760-001	NS	NS	NS	NS	NS	NS	NS

- 1 Not supported in boot path for rx1620
- 2 Adapter not supported in boot path for this server.
- 3 Discontinued Adapter
- 4 Not Supported in rx1600



NOTE: "NS" means Not Supported in System.



IMPORTANT: HP recommends using the latest version of firmware.

Table 3-2 Itanium Mid-Range and High-End Minimum SFW

HP HBA Part Number	rx7620, rx8620 & rx8620 IOX sx1000 chipset	rx7640, rx8640 & rx8640 IOX sx2000 chipset	HP Integrity SuperDome SuperDome sx1000 chipset	HP Integrity SuperDome SuperDome sx2000 chipset
Z7340A	4.2	NS	FW Version rel_6.2	FW Version Recipe 5.5d
J3592A ⁶	NS	NS	NS	NS
J3526A ⁶	NS	NS	NS	NS
J3525A	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
AD332A	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
AD331A	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
AD279A	4.2	2.0	NS	NS
AD278A	4.2	2.0	NS	NS

Table 3-2 Itanium Mid-Range and High-End Minimum SFW (continued)

HP HBA Part Number	rx7620, rx8620 & rx8620 IOX sx1000 chipset	rx7640, rx8640 & rx8640 IOX sx2000 chipset	HP Integrity SuperDome sx1000 chipset	HP Integrity SuperDome sx2000 chipset
AD194A	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
AD193A	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
AB551A	NS	NS	NS	NS
AB545A	4.2	2.00	FW Version rel_6.2	FW Version Recipe 5.5d
AB465A	4.2	2.00	FW Version rel_6.2	FW Version Recipe 5.5d
AB379B	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
AB379A	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
AB378B	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
AB378A	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
AB352-60003	NS	NS	NS	NS
AB345C ⁶	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
AB345A ⁶	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
AB290A	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
AB287A	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
AB286C	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
AB286A ⁶	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
A9891A	4.2 ¹	2.0 ²	NS	NS
A9890A	4.2 ¹	2.0 ²	NS	NS
A9784A	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
A9782A	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
A7173A	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
A7143A ⁶	NS	NS	NS	NS
A7012A	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
A7011A	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d

Table 3-2 Itanium Mid-Range and High-End Minimum SFW (continued)

HP HBA Part Number	rx7620, rx8620 & rx8620 IOX sx1000 chipset	rx7640, rx8640 & rx8640 IOX sx2000 chipset	HP Integrity SuperDome sx1000 chipset	HP Integrity SuperDome sx2000 chipset
A6869B	4.2	2.0	FW Version rel_6.2	FW Version Recipe 05.5d
A6869A ⁶	4.2 ³	NS	FW Version rel_6.2	NS
A6847A	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
A6829A ⁶	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
A6828A ⁶	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
A6826A	4.2	2.00	FW Version rel_6.2	FW Version Recipe 5.5d
A6825A	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
A6795A	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
A6793A A9918A A6794AX	4.2 ⁴	NS	NS	NS
A6792A ⁶	NS	NS	NS	NS
A6749A ⁶	4.2	2.0	FW Version rel_6.2	NS
A6748A ⁶	4.2	2.0	FW Version rel_6.2	NS
A6386A	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
A6150B ⁶	NS	NS	NS	NS
A6150A ⁶	NS	NS	NS	NS
A6092A ⁶	NS	NS	NS	NS
A5856A ⁶	NS	NS	NS	NS
A5838A ⁶	4.2 ⁵	2.0	FW Version rel_6.2 ⁵	FW Version Recipe 05.5d
A5801A ⁶	NS	NS	NS	NS
A5783A ⁶	4.2	NS	FW Version rel_6.2	NS
A5515A ⁶	NS	NS	NS	NS
A5513A ⁶	4.2	NS	FW Version rel_6.2	NS
A5506B ⁶	4.2 ⁵	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
A5486A ⁶	NS	NS	NS	NS
A5483A ⁶	NS	NS	NS	NS
A5230A ⁶	4.2 ⁵	2.0	NS	NS
A5172A ⁶	NS	NS	NS	NS

Table 3-2 Itanium Mid-Range and High-End Minimum SFW (continued)

HP HBA Part Number	rx7620, rx8620 & rx8620 IOX sx1000 chipset	rx7640, rx8640 & rx8640 IOX sx2000 chipset	HP Integrity SuperDome sx1000 chipset	HP Integrity SuperDome sx2000 chipset
A5159B ⁶	NS	NS	NS	NS
A5159A ⁶	NS	NS	NS	NS
A5158A ⁶	4.2	2.0	FW Version rel_6.2	FW Version Recipe 5.5d
A5150A ⁶	4.2	NS	NS	NS
A5149A ⁶	4.2	NS	FW Version rel_6.2	NS
A4930A ⁶	NS	NS	NS	NS
A4929A ⁶	4.2	2.0	TBD	TBD
A4926A ⁶	4.2	2.0	TBD	TBD
A4919A ⁶	NS	NS	NS	NS
A4800A ⁶	NS	NS	NS	NS
A3740A ⁶	NS	NS	NS	NS
A3739B ⁶	4.2	NS	FW Version rel_6.2	NS
A3739A ⁶	NS	NS	NS	NS
A3738A ⁶	NS	NS	NS	NS
435234-001	NS	NS	NS	NS
399490-001	NS	NS	NS	NS
012760-002 012764-004	NS	NS	NS	NS
012760-001	NS	NS	NS	NS

- 1 No support for rx8620 IOX
- 2 No support for rx8640 IOX
- 3 No support for rx8620
- 4 No support for rx8620 and rx8620 IOX
- 5 Adapter not supported in boot path for this server.
- 6 Discontinued Adapter

4 PA-RISC Systems



NOTE: "NS" means Not Supported in System.



IMPORTANT: HP recommends using the latest version of firmware.

Table 4-1 PA-RISC Entry Class Minimum SFW

HP HBA Part Number	rp2400/2450 (A400-36/44) (A500-44/5X) ¹	rp2430/2470 (A400-6X) (A500-6X/7X) ¹	rp34xx	rp44xxx	rp5400 & rp5450 (L1000 & L2000) ¹	rp5430 & rp5470 (L1500 & L3000) ¹
Clustering Cards						
Z7340A	43.50	43.50	NS	PDC 45.44	44.28	44.12
J3592A ⁵	43.50	43.50	NS	NS	44.28	44.12
J3526A ⁵	43.50	43.50	PDC 45.44 ⁴	PDC 45.44	44.28	44.12
J3525A	43.50	43.50	PDC 45.44	PDC 45.44	44.28	44.12
AD332A	NS	NS	PDC 45.44	PDC 45.44	NS	NS
AD331A	NS	NS	PDC 45.44	PDC 45.44	NS	NS
AD279A	43.50	43.50	PDC 45.44	PDC 45.44	NS	NS
AD278A	43.50	43.50	PDC 45.44	PDC 45.44	NS	NS
AD194A	NS	NS	PDC 45.44	PDC 45.44	NS	NS
AD193A	NS	NS	PDC 45.44	PDC 45.44	NS	NS
AB545A	NS	NS	PDC 45.11	PDC 45.11	NS	NS
AB551A	NS	NS	PDC 45.44	PDC 45.44	NS	NS
AB465A	NS	NS	PDC 45.11	PDC 45.11	NS	NS
AB379B	NS	NS	46.34	46.34	NS	NS
AB379A	NS	NS	NS	NS	NS	NS
AB378B	NS	NS	46.34	46.34	NS	NS
AB378A	NS	NS	NS	NS	NS	NS
AB352-60003	NS	NS	NS	NS	NS	NS
AB345C ⁵	NS	NS	NS	NS	NS	NS
AB345A ⁵	NS	NS	NS	NS	NS	NS
AB290A	NS	NS	PDC 45.11	PDC 45.11	NS	NS
AB287A	NS	NS	PDC 45.44 ⁴	NS	NS	NS
AB286C	NS	NS	NS	NS	NS	NS
AB286A ⁵	NS	NS	PDC 45.44 ²	PDC 45.44	NS	NS
A9891A	NS	NS	PDC 44.06	NS	NS	NS
A9890A	NS	NS	PDC 44.06	PDC 44.06	NS	NS
A9784A	NS	NS	PDC 44.06	PDC 44.06	NS	NS
A9782A	NS	NS	PDC 44.06	PDC 44.06	NS	NS

Table 4-1 PA-RISC Entry Class Minimum SFW (continued)

HP HBA Part Number	rp2400/2450 (A400-36/44) (A500-44/5X) ¹	rp2430/2470 (A400-6X) (A500-6X/7X) ¹	rp34xx	rp44xxx	rp5400 & rp5450 (L1000 & L2000) ¹	rp5430 & rp5470 (L1500 & L3000) ¹
A7173A	43.24	43.24	PDC 44.06	PDC 44.06	44.01	43.22
A7143A ⁵	43.24	43.24	PDC 41.06	PDC 44.06	44.01	43.22
A7012A	NS	NS	PDC 45.11	PDC 45.11	NS	NS
A7011A	NS	NS	PDC 45.11	PDC 45.11	NS	NS
A6869B	NS	NS	NS	NS	NS	NS
A6869A ⁵	NS	NS	NS	NS	NS	NS
A6847A	43.50 ⁴	43.50 ⁴	PDC 45.11	PDC 45.11	44.28 ⁴	44.12 ⁴
A6829A ⁵	43.50	43.50	PDC 45.44	PDC 45.44	44.01	43.22
A6828A ⁵	43.50	43.50	PDC 45.44	PDC 45.44	44.01	43.22
A6826A	43.24	43.24	PDC 44.06	PDC 44.01	44.01	43.22
A6825A	43.50 ⁴	43.50 ⁴	PDC 45.11	PDC 45.11	44.28 ⁴	44.12 ⁴
A6795A	43.50	43.50	PDC 44.06	PDC 44.06	44.01	43.43
A6793A A9918A A6794AX	NS	NS	NS	NS	NS	NS
A6792A ⁵	NS	NS	NS	NS	NS	NS
A6749A ⁵	43.50	43.50	PDC 45.44	PDC 45.44	44.28	44.12
A6748A ⁵	43.50	43.50	PDC 45.44	PDC 45.44	44.28	44.12
A6386A	43.50	43.50	PDC 45.44	PDC 45.44	41.38	41.36
A6150B ⁵	43.50	43.50	PDC 45.44	PDC 45.44 ³	44.01	43.43
A6150A ⁵	43.50	43.50	PDC 45.44	PDC 45.44	44.01	43.43
A6092A ⁵	43.50	43.50	NS	NS	44.01	43.43
A5838A ⁵	41.17	42.03	PDC 45.44	PDC 45.44	41.38	41.36
A5801A ⁵	NS	NS	NS	NS	NS	NS
A5515A ⁵	43.50	43.50	PDC 45.44	PDC 45.44	44.01	43.22
A5513A ⁵	43.50	43.50	PDC 45.44	PDC 45.44	44.01	43.22
A5506B ⁵	43.50 ⁴	43.50 ⁴	PDC 45.44 ⁴	PDC 45.44 ⁴	44.01 ⁴	43.22 ⁴
A5486A ⁵	43.50	43.50	NS	NS	44.28	44.12
A5483A ⁵	43.50	43.50	NS	NS	44.01	43.43
A5172A ⁵	43.50	43.50	NS	NS	44.01	43.43
A5159B ⁵	43.50	43.50	NS	NS	44.01	43.43
A5159A ⁵	43.50	43.50	NS	NS	44.01	43.43
A5158A ⁵	43.50	43.50	NS	NS	44.01	43.43
A5856A ⁵	43.50	43.50	NS	NS	44.01	43.43
A5783A ⁵	43.50	43.50	PDC 45.44	PDC 45.44	44.01	43.22

Table 4-1 PA-RISC Entry Class Minimum SFW (continued)

HP HBA Part Number	rp2400/2450 (A400-36/44) (A500-44/5X) ¹	rp2430/2470 (A400-6X) (A500-6X/7X) ¹	rp34xx	rp44xxx	rp5400 & rp5450 (L1000 & L2000) ¹	rp5430 & rp5470 (L1500 & L3000) ¹
A5230A ⁵	43.50 ⁴	43.50 ⁴	PDC 45.44 ⁴	PDC 45.44 ⁴	44.01 ⁴	43.22 ⁴
A5150A ⁵	43.50	43.50	NS	NS	44.01	43.43
A5149A ⁵	43.50	43.50	NS	NS	44.01	43.43
A4930A ⁵	TBA	TBA	NS	NS	44.01	43.22
A4929A ⁵	43.50	43.50	NS	NS	44.01	43.22
A4926A ⁵	43.50	43.50	NS	NS	44.01	43.22
A4919A ⁵	NS	NS	NS	NS	NS	NS
A4800A ⁵	43.50	43.50	NS	NS	44.01	43.43
A3740A ⁵	TBA	TBA	NS	NS	TBA	TBA
A3739B ⁵	43.50	43.50	PDC 45.44	PDC 45.44	44.01	43.22
A3739A ⁵	43.50	43.50	NS	NS	44.01	43.22
A3738A ⁵	43.50	43.50	NS	NS	44.01	43.22
435234-001	NS	NS	NS	NS	NS	NS
399490-001	NS	NS	NS	NS	NS	NS
012760-002 012764-004	NS	NS	NS	NS	NS	NS
012760-001	NS	NS	NS	NS	NS	NS

- 1 Systems do not support HP-UX11i v3
- 2 Not supported on rp3410.
- 3 Not supported in rp4440.
- 4 Adapter not supported in boot path for this server.
- 5 Discontinued Adapter



NOTE: "NS" means Not Supported in System.



IMPORTANT: HP recommends using the latest version of firmware.

Table 4-2 PA-RISC Mid-Range and High-End Systems Minimum SFW

HP HBA Part Number	rp7400 (N4000) ¹	rp7405 & rp7410 (rp7410)	rp7420, rp8420 & rp8420 IOX	rp8400 (S16K-A)	HP 9000 SuperDome PA 8600/PA 8700	HP 9000 SuperDome PA 8800/PA 8900
Z7340A	44.06	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
J3592A ⁶	NS	NS	NS	NS	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	NS
J3526A ⁶	44.06	Firmware Version 6.5	FW Version 3.2 ⁵	FW Version 6.5	FW Version rel_5.50 (PDC	NS

Table 4-2 PA-RISC Mid-Range and High-End Systems Minimum SFW (continued)

HP HBA Part Number	rp7400 (N4000) ¹	rp7405 & rp7410 (rp7410)	rp7420, rp8420 & rp8420 IOX	rp8400 (S16K-A)	HP 9000 SuperDome PA 8600/PA 8700	HP 9000 SuperDome PA 8800/PA 8900
					FW version 36.8, Utilities 7.34)	
J3525A	44.06	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
AD332A	NS	NS	FW Version 3.2 ⁴	NS	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
AD331A	NS	NS	FW Version 3.2 ⁴	NS	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
AD279A	NS	Firmware Version 6.5	FW Version 3.2 ⁴	NS	NS	NS
AD278A	NS	Firmware Version 6.5	FW Version 3.2 ⁴	NS	NS	NS
AD194A	NS	NS	FW Version 3.2	NS	NS	FW Version rel_6.2 ³
AD193A	NS	NS	FW Version 3.2	NS	NS	FW Version rel_6.2 ³
AB551A	NS	NS	NS	NS	NS	NS
AB545A	NS	NS	FW Version 3.2 ²	NS	NS	FW Version rel_6.2 ²
AB465A	TBD ²	NS	SWF 22.002 PDHC 3.023 version 3.1	NS	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34) ³	FW Version rel_6.2 ³
AB379B	NS	NS	PDC 23.10	NS	NS	PDC 23.10
AB379A	NS	NS	FW Version 3.2	NS	NS	FW Version rel_6.2
AB378B	NS	NS	FW Version 3.2	NS	NS	FW Version rel_6.2
AB378A	NS	NS	PDC 23.10	NS	NS	PDC 23.10
AB352-60003	NS	NS	NS	NS	NS	NS
AB345C ⁶	NS	NS	NS	NS	NS	NS
AB345A ⁶	NS	NS	NS	NS	NS	NS
AB290A	NS	NS	SWF 22.002 PDHC 3.023 version 3.1	NS	NS	³

Table 4-2 PA-RISC Mid-Range and High-End Systems Minimum SFW (continued)

HP HBA Part Number	rp7400 (N4000) ¹	rp7405 & rp7410 (rp7410)	rp7420, rp8420 & rp8420 IOX	rp8400 (S16K-A)	HP 9000 SuperDome PA 8600/PA 8700	HP 9000 SuperDome PA 8800/PA 8900
AB287A	2	2	2	2	2	2
AB286C	NS	Firmware Version 6.5	NS	FW Version 6.5	NS	NS
AB286A ⁶	NS	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
A9891A	NS	PDC 17.008 version 6.3	SFW 20.80 PDHC 01.006 version 01.01 ⁴	NS	NS	NS
A9890A	NS	PDC 17.008 version 6.3	SFW 020.8 PDHC 1.006 version 1.01 ⁴	NS	NS	NS
A9784A	NS	PDC 17.009 version 6.4	SFW 20.80 PDHC 1.006 version 1.010	PDC 17.009 version 6.4	PDHC 7.1 PDC 36.7 version 5.4	SFW 20.80 rel_3.1
A9782A	NS	PDC 17.009 version 6.4	SFW 20.80 PDHC 1.006 version 1.01	PDC 17.009 version 6.4	PDHC 7.1 PDC 36.7 version 5.4	SFW 20.80 rel_3.1
A7173A	44.06	PDC 17.008 version 6.3	SFW 20.80 PDHC 1.006 version 1.01	PDC 17.008 version 6.3	PDHC 7.8 PDC 35.4 version 5.0	SFW 20.80 rel_3.1
A7143A ⁶	43.22	PDC 17.008 version 6.3	SFW 20.80 PDHC 1.006 version 1.01	TBD	NS	NS
A7012A	NS	PDC 17.009 version 6.4	SFW 22.022 PDHC 3.023 version 3.10	PDC 17.009 version 6.4	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34) ²	FW Version rel_6.2 ²
A7011A	NS	PDC 17.009 version 6.4	FW Version 3.2	PDC 17.009 version 6.4	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34) ²	FW Version rel_6.2 ²
A6869B	NS	NS	NS	NS	NS	NS
A6869A ⁶	NS	NS	NS	NS	NS	NS
A6847A	44.06 ²	PDC 17.009 version 6.40	SFW 22.022 PDHC 3.023 version 3.1	PDC 17.009 version 6.4	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2 ²
A6829A ⁶	43.22	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2

Table 4-2 PA-RISC Mid-Range and High-End Systems Minimum SFW (continued)

HP HBA Part Number	rp7400 (N4000) ¹	rp7405 & rp7410 (rp7410)	rp7420, rp8420 & rp8420 IOX	rp8400 (S16K-A)	HP 9000 SuperDome PA 8600/PA 8700	HP 9000 SuperDome PA 8800/PA 8900
A6828A ⁶	43.22	Firmware Version 6.5	FW Version 3.2	FW Version 06.50	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
A6826A	43.22	PDC 17.008 version 6.3	SFW 20.80 PDHC 1.006 version 1.01	PDC 17.008 version 6.3	PDHC 7.1 PDC 36.7 version 5.4	SFW 20.80 rel_3.1
A6825A	44.06 ²	PDC 17.009 version 6.4	SFW 22.022 PDHC 3.023 version 3.1	PDC 17.009 version 6.4	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2 ²
A6795A	43.43	PDC 17.006 version 6.1	SFW 20.80 PDHC 1.006 version 1.01	PDC 17.006 version 6.1	PDHC 7.1 PDC 36.7 version 5.4	SFW 20.80 rel_3.1
A6793A A9918A A6794AX	NS	Firmware Version 6.5	FW Version 3.2 ⁵	NS	NS	NS
A6792A ⁶	NS	NS	NS	NS	NS	NS
A6749A ⁶	44.06	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
A6748A ⁶	44.06	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
A6386A	44.06	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
A6150B ⁶	NS	NS	NS	NS	NS	NS
A6150A ⁶	NS	NS	NS	NS	NS	NS
A6092A ⁶	44.06	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
A5856A ⁶	44.06	Firmware Version 6.5	FW Version 3.2 ⁴	FW Version 6.5	NS	NS
A5838A ⁶	41.02	PDC 15.007 version 3.01	SFW 20.80 PDHC 1.006 version 1.01	PDC 14.005 version 2.0	PDHC 7.6 PDC 32.5 version 4.0	SFW 20.80 rel_3.1
A5801A ⁶	44.06	NS	NS	FW Version 6.5	FW Version rel_5.50 (PDC FW version	NS

Table 4-2 PA-RISC Mid-Range and High-End Systems Minimum SFW (continued)

HP HBA Part Number	rp7400 (N4000) ¹	rp7405 & rp7410 (rp7410)	rp7420, rp8420 & rp8420 IOX	rp8400 (S16K-A)	HP 9000 SuperDome PA 8600/PA 8700	HP 9000 SuperDome PA 8800/PA 8900
					36.8, Utilities 7.34)	
A5783A ⁶	44.06	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
A5515A ⁶	44.06	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
A5513A ⁶	44.06	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
A5506B ⁶	44.06 ²	Firmware Version 6.5 ²	FW Version 3.2 ²	FW Version 6.5 ²	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34) ²	FW Version rel_6.2 ²
A5486A ⁶	44.06	Firmware Version 6.5	NS	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
A5483A ⁶	44.06	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
A5230A ⁶	44.06 ²	Firmware Version 6.5 ²	FW Version 3.2 ²	FW Version 6.5 ²	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34) ²	FW Version rel_6.2 ²
A5172A ⁶	44.06	NS	NS	NS	NS	NS
A5159B ⁶	44.06	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	NS	FW Version rel_6.2
A5159A ⁶	NS	NS	NS	NS	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	NS
A5158A ⁶	44.06	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
A5150A ⁶	44.06	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC	FW Version rel_6.2

Table 4-2 PA-RISC Mid-Range and High-End Systems Minimum SFW (continued)

HP HBA Part Number	rp7400 (N4000) ¹	rp7405 & rp7410 (rp7410)	rp7420, rp8420 & rp8420 IOX	rp8400 (S16K-A)	HP 9000 SuperDome PA 8600/PA 8700	HP 9000 SuperDome PA 8800/PA 8900
					FW version 36.8, Utilities 7.34)	
A5149A ⁶	44.06	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
A4930A ⁶	NS	NS	NS	NS	NS	NS
A4929A ⁶	44.06	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
A4926A ⁶	44.06	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
A4919A ⁶	44.06	NS	NS	NS	NS	NS
A4800A ⁶	44.06	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
A3740A ⁶	44.06	NS	NS	NS	NS	NS
A3739B ⁶	44.06	Firmware Version 6.5	FW Version 3.2	FW Version 6.5	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
A3739A ⁶	44.06	NS	NS	NS	NS	NS
A3738A ⁶	44.06	NS	NS	NS	FW Version rel_5.50 (PDC FW version 36.8, Utilities 7.34)	FW Version rel_6.2
435234-001	NS	NS	NS	NS	NS	NS
399490-001	NS	NS	NS	NS	NS	NS
012760-002 012764-004	NS	NS	NS	NS	NS	NS
012760-001	NS	NS	NS	NS	NS	NS

1 Systems do not support HP-UX11i v3

2 Adapter not supported in boot path for this server.

3 Not supported in boot path (with 1000Base)

4 No support for rp8420 IOX

5 No support for rp8420 and rp8420 IOX

6 Discontinued Adapter

glossary

B

BMC Baseboard Management Controller

I

IOX I/O Expander (equivalent to SEU)

M

MP Management Processor

P

PA SFW PA-RISC System Firmware (equivalent to PDC)

PDC Processor Dependent Code (equivalent to PA SFW)

S

SEU Server Expansion Unit (equivalent to IOX)

SFW System Firmware