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# HP-UX Ethernet and Combo Card System-Driver Matrix

The drivers of all of the HP-UX 11i-based networking and I/O cards shown in Table 1-1 are on the HP-UX server and workstation Application Release Media (issued quarterly) and are installed along with an HP-UX 11i Operating Environment. However, some of the products and drivers listed may be newer than your system's Operating Environment.

**Why use the System-Driver Matrix and the Driver Reference Table?** You will find Table 1-1 useful if you are:

- *adding* a networking or I/O card to a system *and*
- that networking or I/O card is *newer* than your system's Operating Environment.

If you have a system that has HP-UX 11i or later, *and* your networking or I/O product was either factory installed or was shipped before your system's Operating Environment was released, *you can ignore Table 1-1.*

1. Use Table 1-1 if you want to verify that your card's driver is included with the Operating Environment or to check which driver you need when adding networking or I/O cards.
2. After you have used Table 1-1 to view the correct product configuration, check <http://software.hp.com> or <http://itrc.hp.com> to see if any specific patches are required for the latest version of the software that you need.
3. Get patches at: <http://software.hp.com>.

**Please send your feedback on this document to: [netinfo\\_feedback@cup.hp.com](mailto:netinfo_feedback@cup.hp.com).**

**Table 1-1 HP-UX Ethernet and Combo Card System-Driver Matrix**

Card	Systems <sup>a</sup> that Support Card	Max Cards <sup>b</sup> Installable Per System	HP-UX Release Needed <sup>c</sup> - Driver Name (next check software.hp.com to see if any patches are needed)	Software Bundle Name <sup>d</sup> (to load in swinstall)
<b>LAN cards (Gigabit Ethernet, Fast Ethernet, Combination cards)</b>				
<b>Gigabit Ethernet</b>				
<p>A6825A PCI 1000/Base-T (copper) <b>(on PA-RISC);</b></p> <p>A6847A PCI 1000/Base-SX (fiber) <b>(on PA-RISC)</b></p>	<p>rp7400 (formerly N4000); rp2400 and rp2430 (formerly A400); rp2450 and rp2470 (formerly A500); rp3440; rp4440; rp5400 (formerly L1000); rp5430 (formerly L1500); rp5450 (formerly L2000); rp5470 (formerly L3000);</p> <p>rp7410; rp8400; SuperDome;</p> <p>B1000 and higher; C3000 and higher; J5000 and higher</p>	<p>12</p> <p>4</p> <p>4</p> <p>4</p> <p>6</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>15</p> <p>16</p> <p>16 (16-way)</p> <p>32 (32-way)</p> <p>64 (64-way)</p> <p>2</p> <p>4</p> <p>4</p>	<p>11i v1.0 (11.11) - igelan; 11.0 - igelan</p> <p>The rp7410, rp8400, and Superdome run HP-UX 11i v 1.0 (11.11) and later only:</p>	<p>GigEther-01; A6825A or A6847A</p>
<p>A6825A PCI 1000/Base-T <b>(on Itanium)<sup>e</sup>;</b></p> <p>A6847A PCI 1000/Base-SX <b>(on Itanium)</b></p>	<p><b>Itanium-based</b> rx2600; rx4640; rx5670; zx6000;</p>	<p>4</p> <p>6</p> <p>9</p> <p>4</p>	<p>11i v1.6 (11.22) - igelan</p>	<p>GigEther-01</p>

**Table 1-1 HP-UX Ethernet and Combo Card System-Driver Matrix (Continued)**

<b>Card</b>	<b>Systems<sup>a</sup> that Support Card</b>	<b>Max Cards<sup>b</sup> Installable Per System</b>	<b>HP-UX Release Needed<sup>c</sup> - Driver Name (next check software.hp.com to see if any patches are needed)</b>	<b>Software Bundle Name<sup>d</sup> (to load in swinstall)</b>
	zx2000; Base-T i870	3 8	11i v1.6 (11.22) - iether	IEther-00
A8685A PCI 1000Base-T (on Itanium)	<b>Itanium-based</b> zx2000, zx6000	3	11i v2.0 (11.23) - igelan	GigEther-01
A4926A <sup>f</sup> PCI 1000Base-SX (fiber) (on PA-RISC)	rp2400 and rp2430 (formerly A400); rp2450 and rp2470 (formerly A500); rp5400 (formerly L1000); rp5450 (formerly L2000); rp5470 (formerly L3000); rp7400 (formerly N4000); V2500/2600 Superdome	2 4 5 10 10 12 16 16 (16-way) 32 (32-way) 64 (64-way)	11i v 1.0 (11.11) - gelan; 11.0 - gelan  SuperDome runs HP-UX 11i v1.0 (11.11) and later only.	GigEther-00 on 11i; J1642AA
	A180; B-class; C200, C240; J-class	2 <sup>g</sup> 2 4 2	11i v 1.0 (11.11) - gelan; 10.20 and 11.0 - gelan	GigEther-00 on 11i; J1642AA on 10.20, 11.0
A4926A <sup>f</sup> (on Itanium)	<b>Itanium-based</b> rx4610 rx9610	10 10	11i v 1.6 (11.22) - gelan	GigEther-00
	<b>Itanium-based</b> hp Integrity Superdome	16 (16-way) 32 (32-way) 64 (64-way)	11i v 2.0 (11.23) - gelan	GigEther-00

**Table 1-1 HP-UX Ethernet and Combo Card System-Driver Matrix (Continued)**

Card	Systems <sup>a</sup> that Support Card	Max Cards <sup>b</sup> Installable Per System	HP-UX Release Needed <sup>c</sup> - Driver Name (next check software.hp.com to see if any patches are needed)	Software Bundle Name <sup>d</sup> (to load in swinstall)
A4929A <sup>f</sup> PCI 1000Base-T (copper) <b>(on PA-RISC)</b>	rp2400 and rp2430 (formerly A400); rp2450 and rp2470 (formerly A500); rp5400 (formerly L1000); rp5450 (formerly L2000), rp5470 (formerly L3000); rp7400 (formerly N4000); V2500/2600; Superdome	2 2 5 10 10 12 16 16 (16-way) 32 (32-way) 64 (64-way)	11i v 1.0 (11.11) - gelan; 11.0 - gelan  SuperDome runs HP-UX 11i v1.0 (11.11) and later only.	GigEther-00 on 11i; J1642AA on 11.0
	A-180; B-class; C200, C240; J-class	2 <sup>h</sup> 2 4 2	11i v 1.0 (11.11) - gelan; 10.20 and 11.0 - gelan	GigEther-00 on 11i; J1642AA on 11.0 and 10.20
A4929A <sup>f</sup> <b>(on Itanium)</b>	<b>Itanium-based</b> rx4610 rx9610	10 10	11i v 1.6 (11.22) - gelan	GigEther-00
	<b>Itanium-based</b> hp Integrity Superdome	16 (16-way) 32 (32-way) 64 (64-way)	11i v 2.0 (11.23) - gelan	GigEther-00
A4924A <sup>i</sup> opt #001 HSC 1000Base-SX (fiber)	K-class	2	10.20 or 11.0 - gelan	J1642AA

**Table 1-1 HP-UX Ethernet and Combo Card System-Driver Matrix (Continued)**

<b>Card</b>	<b>Systems<sup>a</sup> that Support Card</b>	<b>Max Cards<sup>b</sup> Installable Per System</b>	<b>HP-UX Release Needed<sup>c</sup> - Driver Name (next check software.hp.com to see if any patches are needed)</b>	<b>Software Bundle Name<sup>d</sup> (to load in swinstall)</b>
A4925A <sup>ij</sup> HSC 1000Base-SX (fiber)	D, R, (not supported on: D210, D220, D230, D310, D320, D330)	1	10.20 or 11.0 - gelan	J1642AA
<b>Fast Ethernet</b>				
built-in PCI 1-port 10/100Base-TX	rp5400 (formerly L1000); rp5450 (formerly L2000), rp5470 (formerly L3000), rp7400 (formerly N4000), SuperDome	1	11i v 1.0 (11.11) - btlan; 11.0 - btlan3  SuperDome runs HP-UX 11i v1.0 (11.11) and later only.	not applicable on all releases - driver in core OE
	A180; B-class; C200, C240; J-class; Card also has 1 AUI/BNC at 10 half-duplex on B, C, J workstations	1 (add-in = 2 <sup>h</sup> ) 1 (add in = 2) 1 (add in = 4) 1 (add in = 2)	11i v 1.0 (11.11) - btlan, 10.20 and 11.0 - btlan3	not applicable on all releases - driver in core

**Table 1-1 HP-UX Ethernet and Combo Card System-Driver Matrix (Continued)**

<b>Card</b>	<b>Systems<sup>a</sup> that Support Card</b>	<b>Max Cards<sup>b</sup> Installable Per System</b>	<b>HP-UX Release Needed<sup>c</sup> - Driver Name (next check software.hp.com to see if any patches are needed)</b>	<b>Software Bundle Name<sup>d</sup> (to load in swinstall)</b>
A3738A <sup>k</sup> PCI 10/100Base-TX	rp2400 and rp2430 (formerly A400); rp2450 and rp2470 (formerly A500); rp5400 (formerly L1000); rp5430 (formerly L1500); rp5450 (formerly L2000); rp5470 (formerly L3000); rp7400 (formerly N4000); V-class; rp7420; rp8400; SuperDome	1 4 5 6 10 10 12 16 15 16 24 (16-way) 48 (32-way) 96 (64-way)	11i v 1.0 (11.11) - btlan; 11.0 - btlan6  The rp7420, rp8400, and SuperDome run HP-UX 11i v1.0 (11.11) and later only.	not applicable on all releases - driver in core
	A180	2	11i v 1.0 (11.11) - btlan; 11.0 - btlan6	not applicable on all releases- driver in core

**Table 1-1 HP-UX Ethernet and Combo Card System-Driver Matrix (Continued)**

<b>Card</b>	<b>Systems<sup>a</sup> that Support Card</b>	<b>Max Cards<sup>b</sup> Installable Per System</b>	<b>HP-UX Release Needed<sup>c</sup> - Driver Name (next check software.hp.com to see if any patches are needed)</b>	<b>Software Bundle Name<sup>d</sup> (to load in swinstall)</b>
A5230A PCI 10/100Base-TX (on PA-RISC)	rp2400/rp2430 (formerly A400);	2	11i v 1.0 (11.11) - btlan; 11.0 - btlan5  SuperDome runs HP-UX 11i v1.0 (11.11) and later only.	not applicable on 11i - driver in core; J4253AA on 11.0
	rp2450/rp2470 (formerly A500);	4		
	rp3440; rp4440; rp5400 (formerly L1000); rp5430 (formerly L1500); rp5450 (formerly L2000); rp5470 (formerly L3000); rp7400 (formerly N4000); rp7410; V-class; Superdome (SD)	4 6 5 6 10 10 12 15 16 24 (16-way) 48 (32-way) 96 (64-way)		
A180	2	11i v 1.0 (11.11) - btlan; 10.20 and 11.0 - btlan5	not applicable on 11i - driver in core; J4253AA on 11.0, 10.20	
rp7410; rp8400	15 16	11i v 1.0 (11.11) - btlan;	not applicable - driver in core	
A5230A (on Itanium)	<b>Itanium-based</b> i870; rx2600 for 2-way servers; rx4640 4-way server; rx56XX 4-way server; zx2000 for 1-way workstations; zx6000 for 2-way workstations	8 4 6 10 4 4	11i v 1.6 (11.22) , 11i v 2.0 (11.23) - btlan	not applicable - driver in core

**Table 1-1 HP-UX Ethernet and Combo Card System-Driver Matrix (Continued)**

Card	Systems <sup>a</sup> that Support Card	Max Cards <sup>b</sup> Installable Per System	HP-UX Release Needed <sup>c</sup> - Driver Name (next check software.hp.com to see if any patches are needed)	Software Bundle Name <sup>d</sup> (to load in swinstall)
A5506A/B <sup>1</sup> PCI 4-port 10/100Base-TX <b>(on PA-RISC)</b>	rp2400 and rp2430 (formerly A400); rp2450/rp2470 (formerly A500); rp3440; rp5400 (formerly L1000); rp5430 (formerly L1500); rp5450 (formerly L2000); rp5470 (formerly L3000); rp7400 (formerly N4000); Superdome	1 4 4 7 7 7 7 12 8 (16-way) 16 (32-way) 32 (64-way)	11.0, 11i v 1.0 (11.11) - btlan         SuperDome runs HP-UX 11i v1.0 (11.11) and later only.	not applicable on 11i - driver in core; J4254AA on 11.0
	rp7410; rp7420; rp8400	15 15 16	11i v 1.0 (11.11) - btlan	not applicable - driver in core
	A180; J6000	2 1	11i v 1.0 (11.11) - btlan, 10.20 and 11.0 - btlan	not applicable on all releases - driver in core
A5506B <b>(on Itanium)</b>	<b>Itanium-based</b> HP Integrity rx2600	4	11i v 1.6 (11.22) - btlan	not applicable - driver in core
B5509BA, B5509AA PCI 10/100Base-TX <b>(on PA-RISC)</b>	B-class, C-class, J2240, J5600, J6000, J7000	2 4 4 7 3 7	11i v 1.0 (11.11) - btlan; 10.20, 11.0 - btlan5	not applicable on 11i - driver in core; B5509BA on 11.0, 10.20
B5509BA <b>(on Itanium)</b>	<b>Itanium-based</b> HP Integrity rx2600	4	11i v 1.6 (11.22) - btlan	not applicable - driver in core



**Table 1-1 HP-UX Ethernet and Combo Card System-Driver Matrix (Continued)**

<b>Card</b>	<b>Systems<sup>a</sup> that Support Card</b>	<b>Max Cards<sup>b</sup> Installable Per System</b>	<b>HP-UX Release Needed<sup>c</sup> - Driver Name (next check software.hp.com to see if any patches are needed)</b>	<b>Software Bundle Name<sup>d</sup> (to load in swinstall)</b>
J3514A <sup>f</sup> opt #001-copper or #002-fiber HSC 10/100Base 2-port	K-class servers	4	11i v 1.0 (11.11) - btlan; 10.20/11.0 - btlan4	not applicable on 11i - driver in core; J3620BA
J3515A <sup>f</sup> HSC 10/100Base 1-port	rp2400 and rp2430 (formerly A400); rp2450 and rp2470 (formerly A500)	2 4	11i v 1.0 (11.11) - btlan; 11.0 - btlan4	not applicable on 11i - driver in core; J3623BA on 11.0
	A180; B-class; C200, C240; J-class; D-class, R-class servers (except D200)	2 2 4 2 4	11i v 1.0 (11.11) - btlan, 10.20 and 11.0 - btlan4	not applicable on 11i - driver in core; J3623BA
J3516A <sup>i</sup> opt #001 - copper or #002 - fiber HSC 10/100Base 2-port	rp2400 and rp2430 (formerly A400); rp2450 and rp2470 (formerly A500)	2 4	11i v 1.0 (11.11) - btlan; 11.0 - btlan4	not applicable on 11i - driver in core; J3623BA
	A180; B-class; C200, C240; J-class; D-class, R-class servers (except D200)	2 2 4 2 4	11i v 1.0 (11.11) - btlan, 10.20 and 11.0 - btlan4	not applicable on 11i - driver in core; J3623BA
J3850A <sup>m</sup> HSC 10/100Base-TX	T-class server	1 per processor; max 2 cards/sys	11i v 1.0 (11.11) - btlan; 10.20/11.0 - btlan4	not applicable on 11i - driver in core; J3620BA on 11.0, 10.20

**Table 1-1 HP-UX Ethernet and Combo Card System-Driver Matrix (Continued)**

<b>Card</b>	<b>Systems<sup>a</sup> that Support Card</b>	<b>Max Cards<sup>b</sup> Installable Per System</b>	<b>HP-UX Release Needed<sup>c</sup> - Driver Name (next check software.hp.com to see if any patches are needed)</b>	<b>Software Bundle Name<sup>d</sup> (to load in swinstall)</b>
<b>Combination cards</b>				
<p>A5838A PCI Combo Dual port 10/100Base-TX and Wide Ultra2 SCSI <b>(on PA-RISC)</b></p>	<p>rp2400/rp2430 (formerly A400); rp2450 and rp2470 (formerly A500); rp3440; rp4440; rp5400 (formerly L1000); rp5430 (formerly L1500); rp5450 (formerly L2000); rp5470 (formerly L3000); rp7400 (formerly N4000); rp7410; rp7420; rp7620; rp8400; rp8620; Superdome</p>	<p>1 1 4 6 8 8 8 8 12 15 15 15 16 16 8 (16-way) 16 (32-way) 32 (64-way)</p>	<p>11i v 1.0 (11.11) - btlan; 11.0 w PHNE_19020 or later - btlan3;</p> <p>The following servers run HP-UX 11i and later only:</p> <p>rp7410; rp7420; rp7620; rp8400; rp8620; Superdome</p>	<p>not applicable on all releases-driver in core</p>
	<p>A180</p>	<p>2</p>	<p>11i v 1.0 (11.11) - btlan; 11.0 w PHNE_19020 or later - btlan3; 10.20 - btlan3</p>	<p>not applicable on all releases - driver in core</p>
<p>A5838A <b>(on Itanium)</b></p>	<p><b>Itanium-based</b> rx56xx rx7620 rx8620</p>	<p>6 15 16</p>	<p>11i v 2.0 (11.23) - btlan</p>	<p>not applicable-driver in core OE</p>
<p>A6794A PCI Combo 1000Base-T/SCSI <b>(on PA-RISC)</b></p>	<p>HP server rp7410; the A6794A is the built-in, or “core” card on the rp7410</p>	<p>2</p>	<p>11i v 1.0 (11.11) - igelan</p>	<p>not applicable - driver in core OE</p>

**Table 1-1 HP-UX Ethernet and Combo Card System-Driver Matrix (Continued)**

<b>Card</b>	<b>Systems<sup>a</sup> that Support Card</b>	<b>Max Cards<sup>b</sup> Installable Per System</b>	<b>HP-UX Release Needed<sup>c</sup> - Driver Name (next check software.hp.com to see if any patches are needed)</b>	<b>Software Bundle Name<sup>d</sup> (to load in swinstall)</b>
A6794A PCI Combo 1000Base-T/SCSI (on Itanium)	<b>Itanium-based</b> HP server rx7410	1	11i v 1.0 (11.11) - igelan	not applicable - driver in core OE

a. When using the Support Matrix, please be aware that some HP servers were *renamed*. Here is the list showing the old and new names:

<b>Old Name</b>	<b>New Name</b>
A400	rp2400 and rp2430
A500	rp2450 and rp2470
L1000	rp5400
L1500	rp5430
L2000	rp5450
L3000	rp5470
N4000	rp7400

b. The maximum number of cards column shows the maximum number of cards that can be installed in a certain system. When using HP Serviceguard, the maximum number of *active* Gigabit Ethernet cards is half the total maximum installable cards per system. The secondary cards are not used until there is a failover. For example, if a server running Serviceguard can have 16 Gigabit Ethernet cards installed, only 8 can be active.

c. To see which operating system version is on your system, type: `uname -a`

d. For HP-UX 11i v 1.0 (11.11) and later, there is no bundle name if the network card is a built-in LAN card or was factory installed because the driver is in the operating environment (OE). If adding (installing) the card yourself, just get the latest application release (AR) CD to get the driver. Since June 1999, the HP-UX 10.20 and 11.0 software bundle name to load in swinstall for each card is usually the same number as the hardware card's product number.

e. Itanium Processor Family (IPF) copyright Intel.

f. Discontinued March 1, 2003.

g. Maximum number of active A4926A cards is 1 on the A180, B132, B160, B180 series.

h. Maximum number of active A4929A cards is 1 on the A180, B132, B160, B180 series.

i. Discontinued September 1, 2002.

j. In a Serviceguard configuration, the D-class platforms can accommodate two A4925A HSC Gigabit Ethernet cards. Only one card is active at any time. If the primary card fails, Serviceguard automatically does a failover to the secondary card. However, in configurations that are not using Serviceguard, only one card is supported in D-class platforms. D-class platforms cannot support two active Gigabit Ethernet cards at the same time.

k. Discontinued February 1, 2002.

l. A5506B replaces A5506A.

m. J3850A discontinued September 2000.

