Netra™ CP2300 cPSB Board Release Notes

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Netra CP2300 cPSB Board Release Notes

The *Netra CP2300 cPSB Board Release Notes* contain important and late-breaking information about the Netra™ CP2300 cPSB board, including:

- "Known Issues" on page 1
- "OpenBoot PROM Default Changes" on page 3
- "Patches to Download and Install" on page 4

The most recent versions of the Netra CP2300 cPSB board documentation are available at:

`http://www.sun.com/products-n-solutions/hardware/docs/CPU_Boards`

Known Issues

TABLE 1 shows the known issues with the current release of the Netra CP2300 cPSB board.

TABLE 1 Known Issues

Bug ID	Problem	Workaround
4770104	During booting, the warning message `Duplicate instance 0 of node "wd" ignored` displays	You can safely ignore this message.
4835629	When you execute or test the LED programs with the green LED set to "off", the green LED incorrectly blinks quickly	None.

TABLE 1 Known Issues *(Continued)*

Bug ID	Problem	Workaround
4843395	Configuring an IDE hard disk as a slave to a DVD drive master does not work	This is not a supported configuration. The following configurations are supported in the Solaris™ operating environment: • disk=master, with disk=slave • disk=master, with DVD=slave • DVD=master, with DVD=slave
4845258	If a system panics or hangs while a user flash access is occurring (for example, a `read`, a `write`, or an IOCTL-related activity), the user flash driver will not be able to return control to the OpenBoot™ PROM/system flash	Power cycle the system or hot swap the board.
4846516	If you use the `date` command on the board and set the year prior to 2000, the kernel clock time is disrupted and you could lose certain time-dependent processes	Do not set the year prior to 2000 with the `date` command. If you have to recover from a situation where the year was set prior to 2000, use the `date` command to set the date to the current date.
4847533	Watchdog timer doesn't expire	Install the system firmware regular patch to flash the SMC firmware.
4851123	In the Solaris 8 operating environment, booting the board over the network using the secondary interface causes a panic	Use the board's primary interface to boot the board over the network.

OpenBoot PROM Default Changes

The OpenBoot PROM default threshold temperature settings and the default value for the `env-monitor` variable have been adjusted. The default settings for the firmware versions are shown in TABLE 2.

TABLE 2 Firmware Versions and Changed Defaults

Firmware Version	Default Temperature Threshold Settings	Default env-monitor variable
1.0.0 and subsequent	warning temperature = 60˚C critical temperature = 65˚C shutdown temperature = 70˚C	Disabled
1.0.4 and subsequent	warning temperature = 74˚C critical temperature = 79˚C shutdown temperature = 84˚C	Disabled
1.0.13 and subsequent	warning temperature = 74˚C critical temperature = 79˚C shutdown temperature = 91˚C	Enabled

To display the current firmware version, use the `.version` command at the OpenBoot PROM prompt. For example:

```
ok .version
Firmware version 1.0.13
...
```

To display the current OpenBoot PROM settings and the default settings, use the `printenv` command at the OpenBoot PROM prompt. For example:

```
ok printenv
```

Note – When using the Netra CP2300 cPSB board documentation, substitute the firmware defaults from TABLE 2 where appropriate in the *Netra CP2300 cPSB Board Programming Guide* and the *Netra CP2300 cPSB Board Installation and Technical Reference Manual.*

Patches to Download and Install

This section describes the regular and point patches for the Netra CP2300 board that you must download from the SunSolve web site and install. The patches to download depend on how you install the software for the board. TABLE 3 lists the patches for a network installation; TABLE 4 lists the patches for an IDE disk drive installation.

Regular patches are available on the main SunSolve web site, `http://www.sun.com/sunsolve`. If you specify the base Patch ID number (the first six digits) in the Search SunSolve window, you see the most recent version of the patch.

Point patches are available on the point patch SunSolve web site, `http://www.sun.com/sunsolve/point`. You must specify the complete Patch ID number, including the version, in the Point Patch Search window to see the patch. Always install point patches last, after the regular patches.

Install these patches in the order given in the tables.

TABLE 3 Regular and Point Patches for a Network Installation

Patch ID	Patch Description	Patch Location
115193	System firmware regular patch	`http://www.sun.com/sunsolve`
112396	`/usr/bin/fgrep` regular patch	`http://www.sun.com/sunsolve`
108987	`patchadd` and `patchrm` regular patch	`http://www.sun.com/sunsolve`
111111	`/usr/bin/nawk` regular patch	`http://www.sun.com/sunsolve`
111310	`libdhcpagent` regular patch	`http://www.sun.com/sunsolve`
111293	`libdevinfo` regular patch	`http://www.sun.com/sunsolve`
108528	kernel update regular patch	`http://www.sun.com/sunsolve`
108974	`dada`, `uata`, `dad`, `sd`, and `scsi` drivers regular patch	`http://www.sun.com/sunsolve`
110460	fruid/PICL plug-in regular patch	`http://www.sun.com/sunsolve`
109888	platform drivers regular patch	`http://www.sun.com/sunsolve`
114893-05	CP2300 driver support point patch	`http://www.sun.com/sunsolve/point`

TABLE 4 Regular and Point Patches for an IDE Disk Drive Installation

Patch ID	Patch Description	Patch Location
114893-05	CP2300 driver support point patch	`http://www.sun.com/sunsolve/point`