ISP2150 Internet Server Errata - Oct. 3, 00

The following is a detailed list of known errata on the ISP2150 Internet Server System. For current errata updates, please visit the ISP2150 support site at:
http://support.intel.com/support/motherboards/server

1. Red Hat* Xfree86 GUI displays distorted video at resolutions at or greater than 1024x768 at color depths greater than 8 bpp.

Problem: When trying to display resolutions at or greater than 1024x768 with color depths greater than 8 bpp, the video display is distorted with vertical lines running through it. The Red Hat* Linux 6.1 Xfree86 installation GUI also is distorted because it defaults to the higher resolution and color depth. Red Hat* Linux 6.0 and 6.1 only report 1 Meg of video memory.
Implication: Installation with Red Hat* Linux 6.1 will need to be done in text mode. When you reach the option to choose a video mode, make sure to choose the mode at or below 1024x768 and 8bpp. Red Hat* Linux will default to 1024x768 8 bpp if you use the "Probe" function. Resolutions greater than 1024x768 with color depths greater than 8 bpp are not currently supported with Red Hat* Linux on the ISP2150.
Workaround: Red Hat* Linux 6.1 must be installed in text mode. This can be accomplished by typing the word 'text' (do not enter the quotes) at the *boot:* prompt when the "Welcome to Red Hat* Linux 6.1" screen comes up. Do not use video modes greater than 1024x768 and 8 bpp.
Status: The issue is under investigation.

2. Cursor appears distorted or not at all in Red Hat* Linux 6.0 and 6.1

Problem: When in the Xfree86 environment in Red Hat* Linux 6.0 and 6.1, the mouse cursor may appear distorted or may not appear at all.
Implication: To get the mouse cursor properly displayed, the workaround must be implemented.
Workaround: In the */etc/X11* directory, add the following line:
Option "sw_cursor"
to the XF86Config file in the "Graphics Device Section" that has "Cirrus Logic* GD5480" or "My Video Card" as the heading. This device may be preceded with the comment line "#Device configured by Xconfigurator".
For example:

```
# Device configured by Xconfigurator

Section "Device"
        Identifier      "My Video Card"
        VendorName      "unknown"
        BoardName       "unknown"
        #VideoRam       1024
        .
        .
        option "sw_cursor"
EndSection
```

Status: The workaround is the only fix planned by Intel.

3. Two i960 based PCI add-in cards hang the system

Problem: Two i960 based PCI add-in cards will cause the system to hang.
Implication: Do not use two i960 based PCI add-in cards.
Workaround: None
Status: There are no plans to fix this issue on the ISP2150.

4. 82559 on-board NIC fails in Solaris* 7

Problem: If your system was previously booted with any Microsoft* operating systems, the Intel® Pro/100+ Server NIC will fail to work properly when you install Solaris*.
Implication: The NIC needs to be reset back to the factory settings.
Workaround: Reset the NIC back to factory settings by running the diagnostic test utility found on the "Pro/100+ NIC Utilities" software.
Status: The workaround is the only fix planned for this erratum.

5. Microsoft* Windows NT 4.0 does not see the SCSI drives when installing the OS.

Problem: When running the Microsoft* Windows NT 4.0 installation, the message appears that Microsoft* Windows NT 4.0 can not find any hard drives attached to the system, even when there are SCSI drives installed.
Implication: The manufacturers Adaptec* 7896 SCSI driver needs to be loaded from floppy during installation.
Workaround: Press the F6 key when you see the message "Setup is detecting your computer's hardware configuration". When prompted to do so, supply the driver from the floppy at the next screen. The Adaptec* 7896 SCSI driver can be installed to floppy from the files included on the resource CD that came with the system.
Status: Microsoft* Windows NT 4.0 can be installed properly by following the workaround procedure.

6. Dual port sever adapter card does not function properly.

Problem: The Intel® dual port server adapter does not function properly when installed in any of the PCI slots on the riser.
Implication: Although the drivers for the Intel® dual port server adapter will load, the PCI riser card's onboard PCI bridge interferes with the dual port server adapter, and therefore can not be used in this system. Some of the symptoms are blue screen or random loss of connection.
Workaround: None
Status: There are no plans to fix this errata on the ISP2150.

7. Solaris 7 does not function with some 9GB hard drives

Problem: When installing Solaris 7 and manually partitioning drives, Solaris 7 may fail to install on some SCSI 9 GB hard drives.
Implication: When trying to install Solaris 7 with some 9GB hard drives the system with give an error "Requested Cylinder is beyond range of the BIOS geometry" if manually partition the drive.
Workaround: Solaris 7 can be successfully installed on SCSI drives displaying this issue when using the Auto layout feature.
Status: Will be fixed – This issue will be fixed in a future version of the system BIOS.

8. Red Hat* Linux 6.1 fails to boot after installing with add in SCSI or RAID adapters

Problem: When installing Red Hat Linux 6.1 on the ISP2150 with add in SCSI or RAID adapters Linux will incorrectly name the drives. Linux will then issue a kernel panic and be unable to boot the system on the next attempt to boot.
Implication: Red Hat Linux 6.1 will fail to boot when using add in SCSI or RAID cards in the ISP2150 unless you implement the new mkinitrd-2.3.2-1.i386.rpm from Red Hat.
Workaround: The mkinitrd RPM needs to be upgraded to mkinitrd-2.3.2-1.i386.
Status: This is a known errata with Red Hat Linux 6.1 and is planned to be fixed in future releases.

9. ISC reports a –5V error

Problem: ISC reports erroneous –5V errors
Implication: The system will continue to post errors with –5V
Workaround: None - The –5V parameter is being set incorrectly in the FRU/SDR
Status: Fix- Issue has been resolved in FRU/SDR 4.2.3

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