ISP2150G Internet Server Errata – Oct. 3, 2000

The following tables indicate the errata and the document changes that apply to the ISP2150G Internet Server. Intel intends to fix some of the errata contained in this document, and to account for other outstanding issues through documentation or specification changes as noted. These tables use the following notations:

Doc:	Intel intends to update the appropriate documentation in a future revision
Fix:	This erratum is intended to be fixed in the future.
Work:	There is currently a workaround solution that can be implemented.
Work/Fix:	This erratum is intended to be fixed, and there is a workaround solution.
Fixed:	This erratum has been previously fixed.
NoFix:	There are no plans to fix this erratum.

Errata #:	Plans:	Errata Description:
1	Work/ Fix	Red Hat* Linux 6.0 and 6.1 Xfree86 GUI displays distorted video at resolutions greater than 1024x768 at color depths greater than 8 bpp. Red Hat 6.1 Installation must be done in text mode.
2	Work	The cursor appears distorted or does not appear at all in the Red Hat Linux 6.0 and 6.1 Xfree86 GUI.
3	Work	82559 on-board NIC fails in Solaris 7
4	Work	Windows NT* 4.0 does not see the SCSI drives when installing the OS.
5	Fix	Front panel Fault LED does not function as expected
6	Fix	ISC reports a –5V error
7	Work/ Fix	Solaris 7 does not work with certain 9GB hard drives

Errata Detail:

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.
The Xfree86 GUI with resolutions at or greater than 1024x768 with color depths greater than 8 bpp are not currently supported with Red Hat Linux on the ISP2150G.
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.
Status: This issue has been resolved in Red Hat Linux 6.2.

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: This issue has been resolved in Red Hat Linux 6.2.

3. 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.

4. Windows NT 4.0 does not see the SCSI drives when installing the OS.

Problem: When running the Windows NT 4.0 installation, the message appears that Windows 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: Windows NT 4.0 can be installed properly by following the workaround procedure.

5. The front panel Fault LED does not function as expected

Problem: The "Fault " LED on the ISP2150G chassis has not functionality.
Implication: If the BMC asserts PS-ON and PWR_GD_OS does not become asserted the BMC is supposed to assert the Fault LED signal on the front panel connector. However, this in not happening and instead there is not front panel indicator showing this power state.
Workaround: None – The Fault LED on the front panel, is incorrectly tied to +5 Volt on the server motherboard. This is preventing the BMC logic from correctly driving the Fault LED to a HIGH state when a power supply fault is detected.
Status: Fix – This issue will be addressed in a future revision of the front panel.

6. ISC reports a –5V error

Problem: ISC report 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

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.