LB440GX Internet Server Errata

Jan. 11, 2000

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 LB440GX.
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: The issue is being investigated.

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 LB440GX.

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.   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.

6.   Dual port sever adapter card does not function.

Problem: The dual port server adapter does not function when installed in the any of the PCI slots on the riser.
Implication: The dual port server adapter interferes with the PCI riser card's onboard PCI bridge, and therefore can not be used in this system.
Workaround: None
Status: There are no plans to fix this errata on the LB440GX.