

## 2.4.22 (also 2.4.23pre1) and NEC USB lockup problem

*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2003-08/8131.html>

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Date: Sat, 30 Aug 2003 21:17:26 +0200 (CEST)  
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Hi,

I have a Transmeta Crusoe based Fujitsu LOOX T93B laptop (pretty much the same as Fujitsu P2120 AFAIR). It is equipped with ALI OHCI USB 1.1 controller + NEC EHCI USB 1.1+2.0 controller. I wanted to give a try to 2.4.22 kernel (i am still using 2.4.21-pre3, which works fine with ACPI patches), but the system would lock hard whenever inserting any USB device (sole USB system seems to start up with no problems). The problem is probably with usb-ohci module which handles the NEC controllers USB 1.1 part, where the devices get connected to.

IRQ routing is done via ACPI and IRQ distribution has changed from 2.4.21-pre3 + acpi 20030109 – maybe this matters:  
2.4.21-pre3: usb\_ohci: irq 11 ALI, irq 9 (\*2) NEC; usb\_ehci: irq 9; also on irq 9: wlan, audio, acpi  
2.4.22: usb\_ohci: irqs 10 ALI, 10+11 NEC; usb\_ehci: irq 5 (shared with audio)

Without ACPI USB doesn't get IRQs assigned and does not work at all (although the system does not hang). APIC is compiled-in, but is not detected (/proc interrupts reports XT-PIC).

SYSRQ doesn't work after the hang, and also compiling the kernel with all debug options didn't produce any more messages. This most probably is some kind of deadlock, since the CPU is warming up fast. I don't know what I could do to diagnose it further, i don't know much about USB...

Any advice would be welcome.

PS. Please, Cc me directly, i read the list periodically via google.

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Staszek Pańko | Come, now. God, root, what's the difference ?  
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