

CPU lockup during halt for Shuttle SB61G2 p4 with hyperthreading 2.4.24

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-01/7455.html>

tomepperly_at_comcast.net

Date: 01/29/04

To: linux-kernel@vger.kernel.org
Date: Thu, 29 Jan 2004 18:11:24 +0000

[1.] CPU lockup during halt for Shuttle SB61G2 p4 with hyperthreading

[2.] Full description

I've got a Shuttle SB61G2 purchased 12/31/03 with a 2.6GHz P4 with hyperthreading. Sometimes when shutting down, I get the "Power down." message, but it doesn't actually power down the system. It just sits there indefinitely. I tried enabling `nmi_watchdog=1`, and I intermittently get kernel oopses. I only started having problems when I compiled the kernel with SMP enabled. A non-SMP kernel never locks up.

I transcribed the oops message from my screen and ran `ksymoops` on it. I am running a vanilla 2.4.24 downloaded from kernel.org compiled with `gcc-2.95`.

Please Cc me on replies as I am not subscribed to linux-kernel.

[3.] Keywords: Lockup SMP

[4.] Linux version 2.4.24-vanilla (root@faerun) (gcc version 2.95.4 20011002 (Debian prerelease)) #3 SMP Fri Jan 16 07:30:34 PST 2004

[5.]

I had to write this on paper and then type it in by hand. I was very careful, but transcription errors are always a possibility:

`ksymoops 2.4.9` on `i686 2.4.24-vanilla`. Options used

- `-V` (default)
- `-k /proc/ksyms` (default)
- `-l /proc/modules` (default)
- `-o /lib/modules/2.4.24-vanilla/` (default)
- `-m /boot/System.map-2.4.24-vanilla` (default)

Warning: You did not tell me where to find symbol information. I will assume that the log matches the kernel and modules that are running right now and I'll use the default options above for symbol resolution. If the current kernel and/or modules do not match the log, you can get more accurate output by telling me the kernel version and where to find map, modules, ksyms etc. `ksymoops -h` explains the options.

Linux-Kernel: CPU lockup during halt for Shuttle SB61G2 p4 with hyperthreading 2.4.24

```
Error (regular_file): read_system_map stat
/boot/System.map-2.4.24-vanilla failed
ksymoops: No such file or directory
Warning (compare_maps): mismatch on symbol _nv000173rm , nvidia says
f8e4bb20, /lib/modules/2.4.24-vanilla/kernel/drivers/video/nvidia.o says
f8e4b900. Ignoring
/lib/modules/2.4.24-vanilla/kernel/drivers/video/nvidia.o entry
NMI Watchdog detected LOCKUP on CPU1, eip c01a6757, registers:
EIP: 0010: [<c01a6757>] Tainted: P
Using defaults from ksymoops -t elf32-i386 -a i386
EFLAGS: 00000046
eax: 00000011 ebx: f7cc9e48 ecx: f7cc9e48 edx: 00000400
esi: 00000010 edi: 00000000 ebp: bffffbc8 esp: f7cc9e08
ds: 0018 es: 0018 ss: 0018
Process halt (pid: 1220, stackpage=f7cc9000)
Stack: 00000018 c01b29cb 00000400 f7cc9e48 00000010 00002001 c02e5e18
00000011
      c02e5e18 c01b26d7 00000010 f7cc9e48 c1c32114 00002001 00000000
00000000
      00000000 c01b24b9 00000000 00000001 f7cc9e68 00002001 c02e5e40
c02e5e40
Call Trace: [<c01b29cb>] [<c01b26d7>] [<c01b24b9>] [<c01b2d5e>]
[<c01c1394>]
[<c0105523>] [<c012487d>] [<c0122d8a>] [<c0122e11>] [<c01231067>]
[<c01239a5>]
[<c0141864>] [<c014954d>] [<c0106f27>]
Code: 66 89 01 eb 11 eb 11 8d 74 26 00 ed 89 01 eb 08 0f 0b 4f 01 ec ff

>>EIP; c01a6757 <acpi_os_stall_R__ver_acpi_os_stall+67/17c> <=====

>>ebx; f7cc9e48 <_end+3794bfe4/385cf1fc>
>>ecx; f7cc9e48 <_end+3794bfe4/385cf1fc>
>>esp; f7cc9e08 <_end+3794bfa4/385cf1fc>

Trace; c01b29cb <acpi_set_register_R__ver_acpi_set_register+4db/6cc>
Trace; c01b26d7 <acpi_set_register_R__ver_acpi_set_register+1e7/6cc>
Trace; c01b24b9 <acpi_get_register_R__ver_acpi_get_register+51/88>
Trace; c01b2d5e
<acpi_enter_sleep_state_R__ver_acpi_enter_sleep_state+1a2/1bc>
Trace; c01c1394
<acpi_pci_irq_enable_R__ver_acpi_pci_irq_enable+bb4/2868>
Trace; c0105523 <machine_power_off+b/314>
Trace; c012487d <unregister_reboot_notifier+365/11a4>
Trace; c0122d8a <dequeue_signal+432/438>
Trace; c0122e11 <send_sig_info+81/98>
Trace; c01231067 <END_OF_CODE+b083c2710/????>
Trace; c01239a5 <notify_parent+685/edc>
Trace; c0141864 <blkdev_put+148/154>
Trace; c014954d <kill_fasync+4f5/528>
Trace; c0106f27 <__read_lock_failed+115f/1520>
```

Linux-Kernel: CPU lockup during halt for Shuttle SB61G2 p4 with hyperthreading 2.4.24

```
Code; c01a6757 <acpi_os_stall_R__ver_acpi_os_stall+67/17c>
00000000 <_EIP>:
Code; c01a6757 <acpi_os_stall_R__ver_acpi_os_stall+67/17c> <=====
 0: 66 89 01 mov %ax,(%ecx) <=====
Code; c01a675a <acpi_os_stall_R__ver_acpi_os_stall+6a/17c>
 3: eb 11 jmp 16 <_EIP+0x16>
Code; c01a675c <acpi_os_stall_R__ver_acpi_os_stall+6c/17c>
 5: eb 11 jmp 18 <_EIP+0x18>
Code; c01a675e <acpi_os_stall_R__ver_acpi_os_stall+6e/17c>
 7: 8d 74 26 00 lea 0x0(%esi,1),%esi
Code; c01a6762 <acpi_os_stall_R__ver_acpi_os_stall+72/17c>
 b: ed in (%dx),%eax
Code; c01a6763 <acpi_os_stall_R__ver_acpi_os_stall+73/17c>
 c: 89 01 mov %eax,(%ecx)
Code; c01a6765 <acpi_os_stall_R__ver_acpi_os_stall+75/17c>
 e: eb 08 jmp 18 <_EIP+0x18>
Code; c01a6767 <acpi_os_stall_R__ver_acpi_os_stall+77/17c>
10: 0f 0b ud2a
Code; c01a6769 <acpi_os_stall_R__ver_acpi_os_stall+79/17c>
12: 4f dec %edi
Code; c01a676a <acpi_os_stall_R__ver_acpi_os_stall+7a/17c>
13: 01 ec add %ebp,%esp
Code; c01a676c <acpi_os_stall_R__ver_acpi_os_stall+7c/17c>
15: ff 00 incl (%eax)
```

2 warnings and 1 error issued. Results may not be reliable.

[6.]

I booted my machine. gdm (X11) fires up using nVidia drivers. Choose shutdown from gdm menu. Oops. It happens every once in a while when I shutdown.

[7.]

[7.1]

faerun:/usr/src/linux-2.4.24# sh scripts/ver_linux

If some fields are empty or look unusual you may have an old version.

Compare to the current minimal requirements in Documentation/Changes.

Linux faerun 2.4.24-vanilla #3 SMP Fri Jan 16 07:30:34 PST 2004 i686
GNU/Linux

Gnu C 3.3.3

Gnu make 3.80

util-linux 2.12

mount 2.12

modutils 2.4.26

e2fsprogs 1.35-WIP

PPP 2.4.2

Linux C Library 2.3.2

Dynamic linker (ldd) 2.3.2

Procps 3.1.15

Net-tools 1.60

Linux-Kernel: CPU lockup during halt for Shuttle SB61G2 p4 with hyperthreading 2.4.24

Console-tools 0.2.3

Sh-utils 5.0.91

Modules Loaded nvidia joydev mousedev hid input binfmt_misc uhci
ide-scsi scsi_mod it87 i2c-proc i2c-isa i2c-core v_midi sound i810_audio
ehci-hcd

I used "make CC=gcc-2.95 HOSTCC=gcc-2.95" when compiling the kernel and its modules.

```
faerun:/usr/src/linux-2.4.24#
```

```
[7.2.]
```

```
faerun:/usr/src/linux-2.4.24# cat /proc/cpuinfo
```

```
processor : 0
```

```
vendor_id : GenuineIntel
```

```
cpu family : 15
```

```
model : 2
```

```
model name : Intel(R) Pentium(R) 4 CPU 2.60GHz
```

```
stepping : 9
```

```
cpu MHz : 2605.987
```

```
cache size : 512 KB
```

```
fdiv_bug : no
```

```
hlt_bug : no
```

```
f00f_bug : no
```

```
coma_bug : no
```

```
fpu : yes
```

```
fpu_exception : yes
```

```
cpuid level : 2
```

```
wp : yes
```

```
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge
```

```
mca cmov pat pse36 clflush dts acpi mmx fxsr sse sse2 ss ht tm pbe cid
```

```
bogomips : 5203.55
```

```
processor : 1
```

```
vendor_id : GenuineIntel
```

```
cpu family : 15
```

```
model : 2
```

```
model name : Intel(R) Pentium(R) 4 CPU 2.60GHz
```

```
stepping : 9
```

```
cpu MHz : 2605.987
```

```
cache size : 512 KB
```

```
fdiv_bug : no
```

```
hlt_bug : no
```

```
f00f_bug : no
```

```
coma_bug : no
```

```
fpu : yes
```

```
fpu_exception : yes
```

```
cpuid level : 2
```

```
wp : yes
```

```
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge
```

```
mca cmov pat pse36 clflush dts acpi mmx fxsr sse sse2 ss ht tm pbe cid
```

```
bogomips : 5203.55
```

Linux-Kernel: CPU lockup during halt for Shuttle SB61G2 p4 with hyperthreading 2.4.24

```
Intel 865G chipset
faerun:/usr/src/linux-2.4.24#
[7.3.]
faerun:/usr/src/linux-2.4.24# cat /proc/modules
nvidia 1969376 14 (autoclean)
joydev 7104 0 (unused)
mousedev 3864 1
hid 13864 0 (unused)
input 3456 0 [joydev mousedev hid]
binfmt_misc 5896 1
uhci 24752 0 (unused)
ide-scsi 8976 0
scsi_mod 87496 1 [ide-scsi]
it87 9768 0 (unused)
i2c-proc 5972 0 [it87]
i2c-isa 788 0 (unused)
i2c-core 14788 0 [it87 i2c-proc i2c-isa]
v_midi 4996 0 (unused)
sound 56428 0 [v_midi]
i810_audio 24312 1
ehci-hcd 15880 0 (unused)
faerun:/usr/src/linux-2.4.24#
[7.4.]
faerun:/usr/src/linux-2.4.24# cat /proc/ioports
0000-001f : dma1
0020-003f : pic1
0040-005f : timer
0060-006f : keyboard
0070-007f : rtc
0080-008f : dma page reg
00a0-00bf : pic2
00c0-00df : dma2
00f0-00ff : fpu
0170-0177 : ide1
01f0-01f7 : ide0
0290-0297 : it87
0376-0376 : ide1
03c0-03df : vga+
03f6-03f6 : ide0
03f8-03ff : serial(set)
0500-051f : Intel Corp. 82801EB SMBus Controller
0cf8-0cff : PCI conf1
9000-90ff : Realtek Semiconductor Co., Ltd. RTL-8139/8139C/8139C+
9000-90ff : 8139too
9400-947f : VIA Technologies, Inc. IEEE 1394 Host Controller
a000-a01f : Intel Corp. 82801EB USB
a000-a01f : usb-uhci
a400-a41f : Intel Corp. 82801EB USB
a400-a41f : usb-uhci
a800-a81f : Intel Corp. 82801EB USB
a800-a81f : usb-uhci
```

Linux-Kernel: CPU lockup during halt for Shuttle SB61G2 p4 with hyperthreading 2.4.24

```
ac00-ac1f : Intel Corp. 82801EB USB
  ac00-ac1f : usb-uhci
b400-b4ff : Intel Corp. 82801EB AC'97 Audio Controller
  b400-b4ff : Intel ICH5
b800-b83f : Intel Corp. 82801EB AC'97 Audio Controller
  b800-b83f : Intel ICH5
f000-f00f : Intel Corp. 82801EB Ultra ATA Storage Controller
  f000-f007 : ide0
  f008-f00f : ide1
faerun:/usr/src/linux-2.4.24# cat /proc/iomem
00000000-0009f7ff : System RAM
0009f800-0009ffff : reserved
000a0000-000bffff : Video RAM area
000c0000-000c7fff : Video ROM
000f0000-000fffff : System ROM
00100000-3fffffff : System RAM
  00100000-00281001 : Kernel code
  00281002-0031e83f : Kernel data
3fff0000-3fff2fff : ACPI Non-volatile Storage
3fff3000-3fffffff : ACPI Tables
40000000-400003ff : Intel Corp. 82801EB Ultra ATA Storage Controller
e8000000-efffffff : PCI Bus #01
  e8000000-efffffff : PCI device 10de:0322 (nVidia Corporation)
f0000000-f3ffffff : Intel Corp. 82865G/PE/P Processor to I/O Controller
f4000000-f5ffffff : PCI Bus #01
  f4000000-f4ffffff : PCI device 10de:0322 (nVidia Corporation)
f7000000-f70000ff : Realtek Semiconductor Co., Ltd.
RTL-8139/8139C/8139C+
  f7000000-f70000ff : 8139too
f7001000-f70017ff : VIA Technologies, Inc. IEEE 1394 Host Controller
f8000000-f80003ff : Intel Corp. 82801EB USB2
  f8000000-f80003ff : ehci_hcd
f8001000-f80011ff : Intel Corp. 82801EB AC'97 Audio Controller
  f8001000-f80011ff : ich_audio MMBAR
f8002000-f80020ff : Intel Corp. 82801EB AC'97 Audio Controller
  f8002000-f80020ff : ich_audio MBBAR
fec00000-ffffffff : reserved
faerun:/usr/src/linux-2.4.24#
[7.5.]
faerun:/usr/src/linux-2.4.24# lspci -vvv
00:00.0 Host bridge: Intel Corp. 82865G/PE/P Processor to I/O Controller
(rev 02)
  Subsystem: Holco Enterprise Co, Ltd/Shuttle Computer: Unknown
  device fb61
  Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop-
  ParErr- Stepping- SERR- FastB2B-
  Status: Cap+ 66Mhz- UDF- FastB2B+ ParErr- DEVSEL=fast >TAbort-
  <TAbort- <MAbort+ >SERR- <PERR-
  Latency: 0
  Region 0: Memory at f0000000 (32-bit, prefetchable) [size=64M]
  Capabilities: [e4] #09 [0106]
```

Linux-Kernel: CPU lockup during halt for Shuttle SB61G2 p4 with hyperthreading 2.4.24

Capabilities: [a0] AGP version 3.0

Status: RQ=32 Iso- ArqSz=2 Cal=2 SBA+ ITACoh- GART64-
HTrans- 64bit- FW+ AGP3+ Rate=x4,x8

Command: RQ=1 ArqSz=0 Cal=2 SBA+ AGP+ GART64- 64bit- FW-
Rate=x8

00:01.0 PCI bridge: Intel Corp. 82865G/PE/P Processor to AGP Controller
(rev 02) (prog-if 00 [Normal decode])

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop-
ParErr- Stepping- SERR+ FastB2B-

Status: Cap- 66Mhz+ UDF- FastB2B+ ParErr- DEVSEL=fast >TAbort-
<TAbort- <MAbort- >SERR- <PERR-

Latency: 64

Bus: primary=00, secondary=01, subordinate=01, sec-latency=32

I/O behind bridge: 0000f000-00000fff

Memory behind bridge: f4000000-f5ffffff

Prefetchable memory behind bridge: e8000000-efffffff

BridgeCtl: Parity- SERR- NoISA+ VGA+ MAbort- >Reset- FastB2B-

00:1d.0 USB Controller: Intel Corp. 82801EB USB (rev 02) (prog-if 00
[UHCI])

Subsystem: Holco Enterprise Co, Ltd/Shuttle Computer: Unknown
device fb61

Control: I/O+ Mem- BusMaster+ SpecCycle- MemWINV- VGASnoop-
ParErr- Stepping- SERR- FastB2B-

Status: Cap- 66Mhz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
<TAbort- <MAbort- >SERR- <PERR-

Latency: 0

Interrupt: pin A routed to IRQ 16

Region 4: I/O ports at ac00 [size=32]

00:1d.1 USB Controller: Intel Corp. 82801EB USB (rev 02) (prog-if 00
[UHCI])

Subsystem: Holco Enterprise Co, Ltd/Shuttle Computer: Unknown
device fb61

Control: I/O+ Mem- BusMaster+ SpecCycle- MemWINV- VGASnoop-
ParErr- Stepping- SERR- FastB2B-

Status: Cap- 66Mhz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
<TAbort- <MAbort- >SERR- <PERR-

Latency: 0

Interrupt: pin B routed to IRQ 19

Region 4: I/O ports at a000 [size=32]

00:1d.2 USB Controller: Intel Corp. 82801EB USB (rev 02) (prog-if 00
[UHCI])

Subsystem: Holco Enterprise Co, Ltd/Shuttle Computer: Unknown
device fb61

Control: I/O+ Mem- BusMaster+ SpecCycle- MemWINV- VGASnoop-
ParErr- Stepping- SERR- FastB2B-

Status: Cap- 66Mhz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
<TAbort- <MAbort- >SERR- <PERR-

Latency: 0

Linux-Kernel: CPU lockup during halt for Shuttle SB61G2 p4 with hyperthreading 2.4.24

Interrupt: pin C routed to IRQ 18
Region 4: I/O ports at a400 [size=32]

00:1d.3 USB Controller: Intel Corp. 82801EB USB (rev 02) (prog-if 00 [UHCI])

Subsystem: Holco Enterprise Co, Ltd/Shuttle Computer: Unknown device fb61

Control: I/O+ Mem- BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B-
Status: Cap- 66Mhz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-
Latency: 0
Interrupt: pin A routed to IRQ 16
Region 4: I/O ports at a800 [size=32]

00:1d.7 USB Controller: Intel Corp. 82801EB USB2 (rev 02) (prog-if 20 [EHCI])

Subsystem: Holco Enterprise Co, Ltd/Shuttle Computer: Unknown device fb61

Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B-
Status: Cap+ 66Mhz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-
Latency: 0
Interrupt: pin D routed to IRQ 23
Region 0: Memory at f8000000 (32-bit, non-prefetchable)

[size=1K]

Capabilities: [50] Power Management version 2

Flags: PMEClk- DSI- D1- D2- AuxCurrent=375mA
PME(D0+,D1-,D2-,D3hot+,D3cold+)
Status: D0 PME-Enable- DSel=0 DScale=0 PME-

00:1e.0 PCI bridge: Intel Corp. 82801BA/CA/DB/EB PCI Bridge (rev c2) (prog-if 00 [Normal decode])

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR+ FastB2B-
Status: Cap- 66Mhz- UDF- FastB2B+ ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort- >SERR- <PERR-
Latency: 0
Bus: primary=00, secondary=02, subordinate=02, sec-latency=32
I/O behind bridge: 00009000-00009fff
Memory behind bridge: f6000000-f7ffffff
Prefetchable memory behind bridge: fff00000-000fffff
BridgeCtl: Parity- SERR+ NoISA+ VGA- MAbort- >Reset- FastB2B-

00:1f.0 ISA bridge: Intel Corp. 82801EB LPC Interface Controller (rev 02)

Control: I/O+ Mem+ BusMaster+ SpecCycle+ MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B-
Status: Cap- 66Mhz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-

Linux-Kernel: CPU lockup during halt for Shuttle SB61G2 p4 with hyperthreading 2.4.24

Latency: 0

00:1f.1 IDE interface: Intel Corp. 82801EB Ultra ATA Storage Controller (rev 02) (prog-if 8a [Master SecP PriP])

Subsystem: Holco Enterprise Co, Ltd/Shuttle Computer: Unknown device fb61

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B-
Status: Cap- 66Mhz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-
Latency: 0
Interrupt: pin A routed to IRQ 18
Region 0: I/O ports at <unassigned>
Region 1: I/O ports at <unassigned>
Region 2: I/O ports at <unassigned>
Region 3: I/O ports at <unassigned>
Region 4: I/O ports at f000 [size=16]
Region 5: Memory at 40000000 (32-bit, non-prefetchable) [size=1K]

00:1f.3 SMBus: Intel Corp. 82801EB SMBus Controller (rev 02)

Subsystem: Holco Enterprise Co, Ltd/Shuttle Computer: Unknown device fb61

Control: I/O+ Mem- BusMaster- SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B-
Status: Cap- 66Mhz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-
Interrupt: pin B routed to IRQ 17
Region 4: I/O ports at 0500 [size=32]

00:1f.5 Multimedia audio controller: Intel Corp. 82801EB AC'97 Audio Controller (rev 02)

Subsystem: Holco Enterprise Co, Ltd/Shuttle Computer: Unknown device c09d

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B-
Status: Cap+ 66Mhz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-
Latency: 0
Interrupt: pin B routed to IRQ 17
Region 0: I/O ports at b400 [size=256]
Region 1: I/O ports at b800 [size=64]
Region 2: Memory at f8001000 (32-bit, non-prefetchable) [size=512]
Region 3: Memory at f8002000 (32-bit, non-prefetchable) [size=256]
Capabilities: [50] Power Management version 2
Flags: PMEClk- DSI- D1- D2- AuxCurrent=375mA
PME(D0+,D1-,D2-,D3hot+,D3cold+)
Status: D0 PME-Enable- DSel=0 DScale=0 PME-

Linux-Kernel: CPU lockup during halt for Shuttle SB61G2 p4 with hyperthreading 2.4.24

01:00.0 VGA compatible controller: nVidia Corporation NV34 [GeForce FX 5200] (rev a1) (prog-if 00 [VGA])
Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B-
Status: Cap+ 66Mhz+ UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-
Latency: 248 (1250ns min, 250ns max)
Interrupt: pin A routed to IRQ 16
Region 0: Memory at f4000000 (32-bit, non-prefetchable) [size=16M]
Region 1: Memory at e8000000 (32-bit, prefetchable) [size=128M]
Expansion ROM at <unassigned> [disabled] [size=128K]
Capabilities: [60] Power Management version 2
Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA
PME(D0-,D1-,D2-,D3hot-,D3cold-)
Status: D0 PME-Enable- DSel=0 DScale=0 PME-
Capabilities: [44] AGP version 3.0
Status: RQ=32 Iso- ArqSz=0 Cal=3 SBA+ ITACoh- GART64- HTrans- 64bit- FW+ AGP3+ Rate=x4,x8
Command: RQ=32 ArqSz=2 Cal=0 SBA+ AGP+ GART64- 64bit- FW- Rate=x8

02:06.0 Ethernet controller: Realtek Semiconductor Co., Ltd. RTL-8139/8139C/8139C+ (rev 10)
Subsystem: Realtek Semiconductor Co., Ltd. RT8139
Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B-
Status: Cap+ 66Mhz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-
Latency: 32 (8000ns min, 16000ns max)
Interrupt: pin A routed to IRQ 18
Region 0: I/O ports at 9000 [size=256]
Region 1: Memory at f7000000 (32-bit, non-prefetchable) [size=256]
Expansion ROM at <unassigned> [disabled] [size=64K]
Capabilities: [50] Power Management version 2
Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=375mA
PME(D0-,D1+,D2+,D3hot+,D3cold+)
Status: D0 PME-Enable- DSel=0 DScale=0 PME-

02:08.0 FireWire (IEEE 1394): VIA Technologies, Inc. IEEE 1394 Host Controller (rev 80) (prog-if 10 [OHCI])
Subsystem: VIA Technologies, Inc. IEEE 1394 Host Controller
Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B-
Status: Cap+ 66Mhz- UDF- FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-
Latency: 32 (8000ns max), Cache Line Size: 0x08 (32 bytes)
Interrupt: pin A routed to IRQ 20
Region 0: Memory at f7001000 (32-bit, non-prefetchable) [size=2K]

Linux-Kernel: CPU lockup during halt for Shuttle SB61G2 p4 with hyperthreading 2.4.24

Region 1: I/O ports at 9400 [size=128]

Capabilities: [50] Power Management version 2

Flags: PMEClk- DSI- D1- D2+ AuxCurrent=0mA
PME(D0-,D1-,D2+,D3hot+,D3cold+)

Status: D0 PME-Enable- DSel=0 DScale=0 PME-

faerun:/usr/src/linux-2.4.24#

[7.6.]

faerun:/usr/src/linux-2.4.24# cat /proc/scsi/scsi

Attached devices: none

[7.7.]

faerun:/usr/src/linux-2.4.24# cat /proc/acpi/info

version: 20031002

states: S0 S1 S4 S5

faerun:/usr/src/linux-2.4.24# cat /proc/acpi/alarm

2004-01-27 11:00:10

-

To unsubscribe from this list: send the line "unsubscribe linux-kernel" in the body of a message to majordomo@vger.kernel.org

More majordomo info at <http://vger.kernel.org/majordomo-info.html>

Please read the FAQ at <http://www.tux.org/lkml/>