Asus Pro5ij

Casas Kiste

```
00:00.0 Host bridge: Intel Corporation Core Processor DRAM Controller (rev
18)
    Subsystem: ASUSTeK Computer Inc. Device 1c77
    Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap+ 66MHz- UDF- FastB2B+ ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort+ >SERR- <PERR- INTx-
    Latency: 0
    Capabilities: [e0] Vendor Specific Information <?>
    Kernel modules: intel-agp

00:01.0 PCI bridge: Intel Corporation Core Processor PCI Express x16 Root
Port (rev 18)
    Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx+
    Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0, Cache Line Size: 64 bytes
    Bus: primary=00, secondary=01, subordinate=01, sec-latency=0
    I/O behind bridge: 0000d000-0000dfff
    Memory behind bridge: c0000000-d00fffff
    Secondary status: 66MHz- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort+ <SERR- <PERR-
    BridgeCtl: Parity- SERR- NoISA- VGA+ MAbort- >Reset- FastB2B-
        PriDiscTmr- SecDiscTmr- DiscTmrStat- DiscTmrSERREn-
    Capabilities: [88] Subsystem: ASUSTeK Computer Inc. Device 1c77
    Capabilities: [80] Power Management version 3
        Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA PME(D0+,D1-,D2-
,D3hot+,D3cold+)
        Status: D0 PME-Enable- DSel=0 DScale=0 PME-
    Capabilities: [90] Message Signalled Interrupts: Mask- 64bit- Queue=0/0
Enable+
        Address: fee0f00c  Data: 4189
    Capabilities: [a0] Express (v2) Root Port (Slot+), MSI 00
        DevCap:    MaxPayload 128 bytes, PhantFunc 0, Latency L0s <64ns, L1
<1us
            ExtTag- RBE+ FLReset-
        DevCtl:    Report errors: Correctable- Non-Fatal- Fatal-
Unsupported-
            RlxdOrd- ExtTag- PhantFunc- AuxPwr- NoSnoop-
            MaxPayload 128 bytes, MaxReadReq 128 bytes
        DevSta:    CorrErr- UncorrErr- FatalErr- UnsuppReq- AuxPwr-
TransPend-
        LnkCap:    Port #2, Speed 2.5GT/s, Width x16, ASPM L0s L1, Latency
L0 <256ns, L1 <4us
```

```
            ClockPM- Suprise- LLActRep- BwNot+
        LnkCtl:    ASPM L0s L1 Enabled; RCB 64 bytes Disabled- Retrain-
CommClk+
            ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-
        LnkSta:    Speed 2.5GT/s, Width x16, TrErr- Train- SlotClk+
DLActive- BWMgmt+ ABWMgmt-
        SltCap:    AttnBtn- PwrCtrl- MRL- AttnInd- PwrInd- HotPlug- Surpise-
            Slot # 11, PowerLimit 75.000000; Interlock- NoCompl+
        SltCtl:    Enable: AttnBtn- PwrFlt- MRL- PresDet- CmdCplt- HPIrq-
LinkChg-
            Control: AttnInd Unknown, PwrInd Unknown, Power- Interlock-
        SltSta:    Status: AttnBtn- PowerFlt- MRL- CmdCplt- PresDet+
Interlock-
            Changed: MRL- PresDet+ LinkState-
        RootCtl: ErrCorrectable- ErrNon-Fatal- ErrFatal- PMEIntEna-
CRSVisible-
        RootCap: CRSVisible-
        RootSta: PME ReqID 0000, PMEStatus- PMEPending-
    Capabilities: [100] Virtual Channel <?>
    Kernel driver in use: pcieport
    Kernel modules: shpchp

00:16.0 Communication controller: Intel Corporation 5 Series/3400 Series
Chipset HECI Controller (rev 06)
    Subsystem: ASUSTeK Computer Inc. Device 1c77
    Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0
    Interrupt: pin A routed to IRQ 11
    Region 0: Memory at d520a000 (64-bit, non-prefetchable) [size=16]
    Capabilities: [50] Power Management version 3
        Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA PME(D0+,D1-,D2-
,D3hot+,D3cold+)
        Status: D0 PME-Enable- DSel=0 DScale=0 PME-
    Capabilities: [8c] Message Signalled Interrupts: Mask- 64bit+ Queue=0/0
Enable-
        Address: 0000000000000000  Data: 0000

00:1a.0 USB Controller: Intel Corporation 5 Series/3400 Series Chipset USB2
Enhanced Host Controller (rev 06) (prog-if 20)
    Subsystem: ASUSTeK Computer Inc. Device 1c77
    Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap+ 66MHz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
<TAbort- <MAbort- >SERR- <PERR- INTx-
    Latency: 0
    Interrupt: pin A routed to IRQ 16
    Region 0: Memory at d5208000 (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-
    Capabilities: [58] Debug port: BAR=1 offset=00a0
    Capabilities: [98] PCIe advanced features <?>
    Kernel driver in use: ehci_hcd

00:1b.0 Audio device: Intel Corporation 5 Series/3400 Series Chipset High
Definition Audio (rev 06)
    Subsystem: ASUSTeK Computer Inc. Device 1643
    Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0, Cache Line Size: 64 bytes
    Interrupt: pin A routed to IRQ 22
    Region 0: Memory at d5200000 (64-bit, non-prefetchable) [size=16K]
    Capabilities: [50] Power Management version 2
        Flags: PMEClk- DSI- D1- D2- AuxCurrent=55mA PME(D0+,D1-,D2-
,D3hot+,D3cold+)
        Status: D0 PME-Enable- DSel=0 DScale=0 PME-
    Capabilities: [60] Message Signalled Interrupts: Mask- 64bit+ Queue=0/0
Enable-
        Address: 0000000000000000  Data: 0000
    Capabilities: [70] Express (v1) Root Complex Integrated Endpoint, MSI 00
        DevCap:    MaxPayload 128 bytes, PhantFunc 0, Latency L0s <64ns, L1
<1us
            ExtTag- RBE- FLReset+
        DevCtl:    Report errors: Correctable- Non-Fatal- Fatal-
Unsupported-
            RlxdOrd- ExtTag- PhantFunc- AuxPwr- NoSnoop+
            MaxPayload 128 bytes, MaxReadReq 128 bytes
        DevSta:    CorrErr- UncorrErr- FatalErr- UnsuppReq- AuxPwr+
TransPend-
        LnkCap:    Port #0, Speed unknown, Width x0, ASPM unknown, Latency
L0 <64ns, L1 <1us
            ClockPM- Suprise- LLActRep- BwNot-
        LnkCtl:    ASPM Disabled; Disabled- Retrain- CommClk-
            ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-
        LnkSta:    Speed unknown, Width x0, TrErr- Train- SlotClk- DLActive-
BWMgmt- ABWMgmt-
    Capabilities: [100] Virtual Channel <?>
    Capabilities: [130] Root Complex Link <?>
    Kernel driver in use: HDA Intel
    Kernel modules: snd-hda-intel

00:1c.0 PCI bridge: Intel Corporation 5 Series/3400 Series Chipset PCI
Express Root Port 1 (rev 06)
    Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx+
```

```
    Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0, Cache Line Size: 64 bytes
    Bus: primary=00, secondary=02, subordinate=02, sec-latency=0
    I/O behind bridge: 0000c000-0000cfff
    Memory behind bridge: d3e00000-d51fffff
    Prefetchable memory behind bridge: 00000000d5300000-00000000d54fffff
    Secondary status: 66MHz- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- <SERR- <PERR-
    BridgeCtl: Parity- SERR- NoISA- VGA- MAbort- >Reset- FastB2B-
        PriDiscTmr- SecDiscTmr- DiscTmrStat- DiscTmrSERREn-
    Capabilities: [40] Express (v2) Root Port (Slot+), MSI 00
        DevCap:    MaxPayload 128 bytes, PhantFunc 0, Latency L0s <64ns, L1
<1us
            ExtTag- RBE+ FLReset-
        DevCtl:    Report errors: Correctable- Non-Fatal- Fatal-
Unsupported-
            RlxdOrd- ExtTag- PhantFunc- AuxPwr- NoSnoop-
            MaxPayload 128 bytes, MaxReadReq 128 bytes
        DevSta:    CorrErr- UncorrErr- FatalErr- UnsuppReq- AuxPwr+
TransPend-
        LnkCap:    Port #1, Speed 2.5GT/s, Width x1, ASPM L0s L1, Latency L0
<1us, L1 <4us
            ClockPM- Suprise- LLActRep+ BwNot-
        LnkCtl:    ASPM L0s L1 Enabled; RCB 64 bytes Disabled- Retrain-
CommClk-
            ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-
        LnkSta:    Speed 2.5GT/s, Width x0, TrErr- Train- SlotClk+ DLActive-
BWMgmt- ABWMgmt-
        SltCap:    AttnBtn- PwrCtrl- MRL- AttnInd- PwrInd- HotPlug+ Surpise+
            Slot #  0, PowerLimit 10.000000; Interlock- NoCompl+
        SltCtl:    Enable: AttnBtn- PwrFlt- MRL- PresDet+ CmdCplt- HPIrq+
LinkChg-
            Control: AttnInd Unknown, PwrInd Unknown, Power- Interlock-
        SltSta:    Status: AttnBtn- PowerFlt- MRL- CmdCplt- PresDet-
Interlock-
            Changed: MRL- PresDet- LinkState-
        RootCtl: ErrCorrectable- ErrNon-Fatal- ErrFatal- PMEIntEna-
CRSVisible-
        RootCap: CRSVisible-
        RootSta: PME ReqID 0000, PMEStatus- PMEPending-
    Capabilities: [80] Message Signalled Interrupts: Mask- 64bit- Queue=0/0
Enable+
        Address: fee0f00c  Data: 4191
    Capabilities: [90] Subsystem: ASUSTeK Computer Inc. Device 1c77
    Capabilities: [a0] 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-
    Kernel driver in use: pcieport
```

```
    Kernel modules: shpchp

00:1c.1 PCI bridge: Intel Corporation 5 Series/3400 Series Chipset PCI
Express Root Port 2 (rev 06)
    Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx+
    Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0, Cache Line Size: 64 bytes
    Bus: primary=00, secondary=03, subordinate=03, sec-latency=0
    I/O behind bridge: 0000b000-0000bfff
    Memory behind bridge: d2a00000-d3dfffff
    Prefetchable memory behind bridge: 00000000d5500000-00000000d56fffff
    Secondary status: 66MHz- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- <SERR- <PERR-
    BridgeCtl: Parity- SERR- NoISA- VGA- MAbort- >Reset- FastB2B-
        PriDiscTmr- SecDiscTmr- DiscTmrStat- DiscTmrSERREn-
    Capabilities: [40] Express (v2) Root Port (Slot+), MSI 00
        DevCap:    MaxPayload 128 bytes, PhantFunc 0, Latency L0s <64ns, L1
<1us
            ExtTag- RBE+ FLReset-
        DevCtl:    Report errors: Correctable- Non-Fatal- Fatal-
Unsupported-
            RlxdOrd- ExtTag- PhantFunc- AuxPwr- NoSnoop-
            MaxPayload 128 bytes, MaxReadReq 128 bytes
        DevSta:    CorrErr- UncorrErr- FatalErr- UnsuppReq- AuxPwr+
TransPend-
        LnkCap:    Port #2, Speed 2.5GT/s, Width x1, ASPM L0s L1, Latency L0
<256ns, L1 <4us
            ClockPM- Suprise- LLActRep+ BwNot-
        LnkCtl:    ASPM L1 Enabled; RCB 64 bytes Disabled- Retrain- CommClk+
            ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-
        LnkSta:    Speed 2.5GT/s, Width x1, TrErr- Train- SlotClk+ DLActive+
BWMgmt- ABWMgmt-
        SltCap:    AttnBtn- PwrCtrl- MRL- AttnInd- PwrInd- HotPlug+ Surpise+
            Slot #  1, PowerLimit 10.000000; Interlock- NoCompl+
        SltCtl:    Enable: AttnBtn- PwrFlt- MRL- PresDet+ CmdCplt- HPIrq+
LinkChg-
            Control: AttnInd Unknown, PwrInd Unknown, Power- Interlock-
        SltSta:    Status: AttnBtn- PowerFlt- MRL- CmdCplt- PresDet+
Interlock-
            Changed: MRL- PresDet- LinkState+
        RootCtl: ErrCorrectable- ErrNon-Fatal- ErrFatal- PMEIntEna-
CRSVisible-
        RootCap: CRSVisible-
        RootSta: PME ReqID 0000, PMEStatus- PMEPending-
    Capabilities: [80] Message Signalled Interrupts: Mask- 64bit- Queue=0/0
Enable+
        Address: fee0f00c  Data: 4199
    Capabilities: [90] Subsystem: ASUSTeK Computer Inc. Device 1c77
    Capabilities: [a0] 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-
    Kernel driver in use: pcieport
    Kernel modules: shpchp

00:1c.2 PCI bridge: Intel Corporation 5 Series/3400 Series Chipset PCI
Express Root Port 3 (rev 06)
    Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx+
    Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0, Cache Line Size: 64 bytes
    Bus: primary=00, secondary=04, subordinate=04, sec-latency=0
    I/O behind bridge: 0000a000-0000afff
    Memory behind bridge: d1600000-d29fffff
    Prefetchable memory behind bridge: 00000000d5700000-00000000d58fffff
    Secondary status: 66MHz- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- <SERR- <PERR-
    BridgeCtl: Parity- SERR- NoISA- VGA- MAbort- >Reset- FastB2B-
        PriDiscTmr- SecDiscTmr- DiscTmrStat- DiscTmrSERREn-
    Capabilities: [40] Express (v2) Root Port (Slot+), MSI 00
        DevCap:    MaxPayload 128 bytes, PhantFunc 0, Latency L0s <64ns, L1
<1us
            ExtTag- RBE+ FLReset-
        DevCtl:    Report errors: Correctable- Non-Fatal- Fatal-
Unsupported-
            RlxdOrd- ExtTag- PhantFunc- AuxPwr- NoSnoop-
            MaxPayload 128 bytes, MaxReadReq 128 bytes
        DevSta:    CorrErr- UncorrErr- FatalErr- UnsuppReq- AuxPwr+
TransPend-
        LnkCap:    Port #3, Speed 2.5GT/s, Width x1, ASPM L0s L1, Latency L0
<1us, L1 <4us
            ClockPM- Suprise- LLActRep+ BwNot-
        LnkCtl:    ASPM L0s L1 Enabled; RCB 64 bytes Disabled- Retrain-
CommClk-
            ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-
        LnkSta:    Speed 2.5GT/s, Width x0, TrErr- Train- SlotClk+ DLActive-
BWMgmt- ABWMgmt-
        SltCap:    AttnBtn- PwrCtrl- MRL- AttnInd- PwrInd- HotPlug+ Surpise+
            Slot #  2, PowerLimit 10.000000; Interlock- NoCompl+
        SltCtl:    Enable: AttnBtn- PwrFlt- MRL- PresDet+ CmdCplt- HPIrq+
LinkChg-
            Control: AttnInd Unknown, PwrInd Unknown, Power- Interlock-
        SltSta:    Status: AttnBtn- PowerFlt- MRL- CmdCplt- PresDet-
Interlock-
            Changed: MRL- PresDet- LinkState-
        RootCtl: ErrCorrectable- ErrNon-Fatal- ErrFatal- PMEIntEna-
CRSVisible-
        RootCap: CRSVisible-
```

```
        RootSta: PME ReqID 0000, PMEStatus- PMEPending-
    Capabilities: [80] Message Signalled Interrupts: Mask- 64bit- Queue=0/0
Enable+
        Address: fee0f00c  Data: 41a1
    Capabilities: [90] Subsystem: ASUSTeK Computer Inc. Device 1c77
    Capabilities: [a0] 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-
    Kernel driver in use: pcieport
    Kernel modules: shpchp

00:1c.5 PCI bridge: Intel Corporation 5 Series/3400 Series Chipset PCI
Express Root Port 6 (rev 06)
    Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx+
    Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0, Cache Line Size: 64 bytes
    Bus: primary=00, secondary=05, subordinate=05, sec-latency=0
    I/O behind bridge: 00009000-00009fff
    Memory behind bridge: d0200000-d15fffff
    Prefetchable memory behind bridge: 00000000d5900000-00000000d5afffff
    Secondary status: 66MHz- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- <SERR- <PERR-
    BridgeCtl: Parity- SERR- NoISA- VGA- MAbort- >Reset- FastB2B-
        PriDiscTmr- SecDiscTmr- DiscTmrStat- DiscTmrSERREn-
    Capabilities: [40] Express (v2) Root Port (Slot+), MSI 00
        DevCap:    MaxPayload 128 bytes, PhantFunc 0, Latency L0s <64ns, L1
<1us
            ExtTag- RBE+ FLReset-
        DevCtl:    Report errors: Correctable- Non-Fatal- Fatal-
Unsupported-
            RlxdOrd- ExtTag- PhantFunc- AuxPwr- NoSnoop-
            MaxPayload 128 bytes, MaxReadReq 128 bytes
        DevSta:    CorrErr- UncorrErr- FatalErr- UnsuppReq- AuxPwr+
TransPend-
        LnkCap:    Port #6, Speed 2.5GT/s, Width x1, ASPM L0s L1, Latency L0
<256ns, L1 <4us
            ClockPM- Suprise- LLActRep+ BwNot-
        LnkCtl:    ASPM Disabled; RCB 64 bytes Disabled- Retrain- CommClk+
            ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-
        LnkSta:    Speed 2.5GT/s, Width x1, TrErr- Train- SlotClk+ DLActive+
BWMgmt- ABWMgmt-
        SltCap:    AttnBtn- PwrCtrl- MRL- AttnInd- PwrInd- HotPlug+ Surpise+
            Slot #  5, PowerLimit 10.000000; Interlock- NoCompl+
        SltCtl:    Enable: AttnBtn- PwrFlt- MRL- PresDet+ CmdCplt- HPIrq+
LinkChg-
            Control: AttnInd Unknown, PwrInd Unknown, Power- Interlock-
        SltSta:    Status: AttnBtn- PowerFlt- MRL- CmdCplt- PresDet+
Interlock-
```

```
            Changed: MRL- PresDet- LinkState+
        RootCtl: ErrCorrectable- ErrNon-Fatal- ErrFatal- PMEIntEna-
CRSVisible-
        RootCap: CRSVisible-
        RootSta: PME ReqID 0000, PMEStatus- PMEPending-
    Capabilities: [80] Message Signalled Interrupts: Mask- 64bit- Queue=0/0
Enable+
        Address: fee0f00c  Data: 41a9
    Capabilities: [90] Subsystem: ASUSTeK Computer Inc. Device 1c77
    Capabilities: [a0] 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-
    Kernel driver in use: pcieport
    Kernel modules: shpchp

00:1d.0 USB Controller: Intel Corporation 5 Series/3400 Series Chipset USB2
Enhanced Host Controller (rev 06) (prog-if 20)
    Subsystem: ASUSTeK Computer Inc. Device 1c77
    Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap+ 66MHz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
<TAbort- <MAbort- >SERR- <PERR- INTx-
    Latency: 0
    Interrupt: pin A routed to IRQ 23
    Region 0: Memory at d5207000 (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-
    Capabilities: [58] Debug port: BAR=1 offset=00a0
    Capabilities: [98] PCIe advanced features <?>
    Kernel driver in use: ehci_hcd

00:1e.0 PCI bridge: Intel Corporation 82801 Mobile PCI Bridge (rev a6)
(prog-if 01)
    Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0
    Bus: primary=00, secondary=06, subordinate=06, sec-latency=32
    Secondary status: 66MHz- FastB2B+ ParErr- DEVSEL=medium >TAbort-
<TAbort- <MAbort+ <SERR- <PERR-
    BridgeCtl: Parity- SERR- NoISA- VGA- MAbort- >Reset- FastB2B-
        PriDiscTmr- SecDiscTmr- DiscTmrStat- DiscTmrSERREn-
    Capabilities: [50] Subsystem: ASUSTeK Computer Inc. Device 1c77

00:1f.0 ISA bridge: Intel Corporation Mobile 5 Series Chipset LPC Interface
Controller (rev 06)
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```
    Subsystem: ASUSTeK Computer Inc. Device 1c77
    Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=medium >TAbort-
<TAbort- <MAbort- >SERR- <PERR- INTx-
    Latency: 0
    Capabilities: [e0] Vendor Specific Information <?>
    Kernel modules: iTCO_wdt

00:1f.2 SATA controller: Intel Corporation 5 Series/3400 Series Chipset 4
port SATA AHCI Controller (rev 06) (prog-if 01)
    Subsystem: ASUSTeK Computer Inc. Device 1c77
    Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx+
    Status: Cap+ 66MHz+ UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
<TAbort- <MAbort- >SERR- <PERR- INTx-
    Latency: 0
    Interrupt: pin B routed to IRQ 34
    Region 0: I/O ports at e070 [size=8]
    Region 1: I/O ports at e060 [size=4]
    Region 2: I/O ports at e050 [size=8]
    Region 3: I/O ports at e040 [size=4]
    Region 4: I/O ports at e020 [size=32]
    Region 5: Memory at d5206000 (32-bit, non-prefetchable) [size=2K]
    Capabilities: [80] Message Signalled Interrupts: Mask- 64bit- Queue=0/0
Enable+
        Address: fee0a00c  Data: 41c1
    Capabilities: [70] Power Management version 3
        Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA PME(D0-,D1-,D2-
,D3hot+,D3cold-)
        Status: D0 PME-Enable- DSel=0 DScale=0 PME-
    Capabilities: [a8] SATA HBA <?>
    Capabilities: [b0] PCIe advanced features <?>
    Kernel driver in use: ahci
    Kernel modules: ahci

00:1f.3 SMBus: Intel Corporation 5 Series/3400 Series Chipset SMBus
Controller (rev 06)
    Subsystem: ASUSTeK Computer Inc. Device 1c77
    Control: I/O+ Mem+ BusMaster- SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap- 66MHz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
<TAbort- <MAbort- >SERR- <PERR- INTx-
    Interrupt: pin C routed to IRQ 4
    Region 0: Memory at d5205000 (64-bit, non-prefetchable) [size=256]
    Region 4: I/O ports at e000 [size=32]
    Kernel modules: i2c-i801

00:1f.6 Signal processing controller: Intel Corporation 5 Series/3400 Series
Chipset Thermal Subsystem (rev 06)
    Subsystem: ASUSTeK Computer Inc. Device 1c77
```

```
    Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0
    Interrupt: pin C routed to IRQ 4
    Region 0: Memory at d5204000 (64-bit, non-prefetchable) [size=4K]
    Capabilities: [50] Power Management version 3
        Flags: PMEClk- DSI+ D1- D2- AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-
,D3cold-)
        Status: D0 PME-Enable- DSel=0 DScale=0 PME-
    Capabilities: [80] Message Signalled Interrupts: Mask- 64bit- Queue=0/0
Enable-
        Address: 00000000  Data: 0000

01:00.0 VGA compatible controller: ATI Technologies Inc Device 68e4
    Subsystem: ASUSTeK Computer Inc. Device 1c92
    Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0, Cache Line Size: 64 bytes
    Interrupt: pin A routed to IRQ 16
    Region 0: Memory at c0000000 (64-bit, prefetchable) [size=256M]
    Region 2: Memory at d0020000 (64-bit, non-prefetchable) [size=128K]
    Region 4: I/O ports at d000 [size=256]
    Expansion ROM at d0000000 [disabled] [size=128K]
    Capabilities: [50] Power Management version 3
        Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-
,D3cold-)
        Status: D0 PME-Enable- DSel=0 DScale=0 PME-
    Capabilities: [58] Express (v2) Legacy Endpoint, MSI 00
        DevCap:    MaxPayload 256 bytes, PhantFunc 0, Latency L0s <4us, L1
unlimited
            ExtTag+ AttnBtn- AttnInd- PwrInd- RBE+ FLReset-
        DevCtl:    Report errors: Correctable- Non-Fatal- Fatal-
Unsupported-
            RlxdOrd+ ExtTag- PhantFunc- AuxPwr- NoSnoop+
            MaxPayload 128 bytes, MaxReadReq 512 bytes
        DevSta:    CorrErr- UncorrErr- FatalErr- UnsuppReq- AuxPwr-
TransPend-
        LnkCap:    Port #0, Speed 2.5GT/s, Width x16, ASPM L0s L1, Latency
L0 <64ns, L1 <1us
            ClockPM- Suprise- LLActRep- BwNot-
        LnkCtl:    ASPM L0s L1 Enabled; RCB 64 bytes Disabled- Retrain-
CommClk+
            ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-
        LnkSta:    Speed 2.5GT/s, Width x16, TrErr- Train- SlotClk+
DLActive- BWMgmt- ABWMgmt-
    Capabilities: [a0] Message Signalled Interrupts: Mask- 64bit+ Queue=0/0
```

```
Enable-
        Address: 0000000000000000  Data: 0000
    Capabilities: [100] Vendor Specific Information <?>

01:00.1 Audio device: ATI Technologies Inc Manhattan HDMI Audio [Mobility
Radeon HD 5000 Series]
    Subsystem: ASUSTeK Computer Inc. Device aa68
    Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0, Cache Line Size: 64 bytes
    Interrupt: pin B routed to IRQ 17
    Region 0: Memory at d0040000 (64-bit, non-prefetchable) [size=16K]
    Capabilities: [50] Power Management version 3
        Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-
,D3cold-)
        Status: D0 PME-Enable- DSel=0 DScale=0 PME-
    Capabilities: [58] Express (v2) Legacy Endpoint, MSI 00
        DevCap:    MaxPayload 256 bytes, PhantFunc 0, Latency L0s <4us, L1
unlimited
            ExtTag+ AttnBtn- AttnInd- PwrInd- RBE+ FLReset-
        DevCtl:    Report errors: Correctable- Non-Fatal- Fatal-
Unsupported-
            RlxdOrd+ ExtTag- PhantFunc- AuxPwr- NoSnoop+
            MaxPayload 128 bytes, MaxReadReq 512 bytes
        DevSta:    CorrErr- UncorrErr- FatalErr- UnsuppReq- AuxPwr-
TransPend-
        LnkCap:    Port #0, Speed 2.5GT/s, Width x16, ASPM L0s L1, Latency
L0 <64ns, L1 <1us
            ClockPM- Suprise- LLActRep- BwNot-
        LnkCtl:    ASPM L0s L1 Enabled; RCB 64 bytes Disabled- Retrain-
CommClk+
            ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-
        LnkSta:    Speed 2.5GT/s, Width x16, TrErr- Train- SlotClk+
DLActive- BWMgmt- ABWMgmt-
    Capabilities: [a0] Message Signalled Interrupts: Mask- 64bit+ Queue=0/0
Enable-
        Address: 0000000000000000  Data: 0000
    Capabilities: [100] Vendor Specific Information <?>
    Kernel driver in use: HDA Intel
    Kernel modules: snd-hda-intel

03:00.0 Network controller: Atheros Communications Inc. AR9285 Wireless
Network Adapter (PCI-Express) (rev 01)
    Subsystem: Device 1a3b:1089
    Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0, Cache Line Size: 64 bytes
```

```
    Interrupt: pin A routed to IRQ 17
    Region 0: Memory at d2a00000 (64-bit, non-prefetchable) [size=64K]
    Capabilities: [40] Power Management version 3
        Flags: PMEClk- DSI- D1+ D2- AuxCurrent=375mA PME(D0+,D1+,D2-
,D3hot+,D3cold+)
        Status: D0 PME-Enable- DSel=0 DScale=0 PME-
    Capabilities: [50] Message Signalled Interrupts: Mask- 64bit- Queue=0/0
Enable-
        Address: 00000000  Data: 0000
    Capabilities: [60] Express (v2) Legacy Endpoint, MSI 00
        DevCap:    MaxPayload 128 bytes, PhantFunc 0, Latency L0s <512ns, L1
<64us
            ExtTag- AttnBtn- AttnInd- PwrInd- RBE+ FLReset-
        DevCtl:    Report errors: Correctable- Non-Fatal- Fatal-
Unsupported-
            RlxdOrd+ ExtTag- PhantFunc- AuxPwr- NoSnoop-
            MaxPayload 128 bytes, MaxReadReq 512 bytes
        DevSta:    CorrErr+ UncorrErr- FatalErr- UnsuppReq+ AuxPwr+
TransPend-
        LnkCap:    Port #0, Speed 2.5GT/s, Width x1, ASPM L0s L1, Latency L0
<512ns, L1 <64us
            ClockPM- Suprise- LLActRep- BwNot-
        LnkCtl:    ASPM L1 Enabled; RCB 64 bytes Disabled- Retrain- CommClk+
            ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-
        LnkSta:    Speed 2.5GT/s, Width x1, TrErr- Train- SlotClk+ DLActive-
BWMgmt- ABWMgmt-
    Capabilities: [100] Advanced Error Reporting <?>
    Capabilities: [140] Virtual Channel <?>
    Capabilities: [160] Device Serial Number 12-14-24-ff-ff-17-15-00
    Capabilities: [170] Power Budgeting <?>
    Kernel driver in use: ath9k
    Kernel modules: ath9k

05:00.0 System peripheral: JMicron Technology Corp. SD/MMC Host Controller
(rev 80)
    Subsystem: ASUSTeK Computer Inc. Device 1a07
    Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0, Cache Line Size: 64 bytes
    Interrupt: pin B routed to IRQ 18
    Region 0: Memory at d0207000 (32-bit, non-prefetchable) [size=256]
    Capabilities: [a4] Power Management version 3
        Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-
,D3cold-)
        Status: D0 PME-Enable- DSel=0 DScale=0 PME-
    Capabilities: [80] Express (v1) Endpoint, MSI 00
        DevCap:    MaxPayload 128 bytes, PhantFunc 0, Latency L0s <64ns, L1
<1us
```

```
            ExtTag- AttnBtn- AttnInd- PwrInd- RBE+ FLReset-
        DevCtl:    Report errors: Correctable- Non-Fatal- Fatal-
Unsupported-
            RlxdOrd+ ExtTag- PhantFunc- AuxPwr- NoSnoop-
            MaxPayload 128 bytes, MaxReadReq 128 bytes
        DevSta:    CorrErr- UncorrErr- FatalErr- UnsuppReq+ AuxPwr-
TransPend-
        LnkCap:    Port #1, Speed 2.5GT/s, Width x1, ASPM L0s L1, Latency L0
unlimited, L1 unlimited
            ClockPM- Suprise- LLActRep- BwNot-
        LnkCtl:    ASPM Disabled; RCB 64 bytes Disabled- Retrain- CommClk+
            ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-
        LnkSta:    Speed 2.5GT/s, Width x1, TrErr- Train- SlotClk+ DLActive-
BWMgmt- ABWMgmt-
    Capabilities: [94] Message Signalled Interrupts: Mask- 64bit- Queue=0/0
Enable-
        Address: fffffffc  Data: 0000
    Kernel driver in use: sdhci-pci
    Kernel modules: sdhci-pci

05:00.2 SD Host controller: JMicron Technology Corp. Standard SD Host
Controller (rev 80) (prog-if 01)
    Subsystem: ASUSTeK Computer Inc. Device 1a07
    Control: I/O+ Mem+ BusMaster- SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Interrupt: pin B routed to IRQ 18
    Region 0: Memory at d0206000 (32-bit, non-prefetchable) [size=256]
    Capabilities: [a4] Power Management version 3
        Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-
,D3cold-)
        Status: D0 PME-Enable- DSel=0 DScale=0 PME-
    Capabilities: [80] Express (v1) Endpoint, MSI 00
        DevCap:    MaxPayload 128 bytes, PhantFunc 0, Latency L0s <64ns, L1
<1us
            ExtTag- AttnBtn- AttnInd- PwrInd- RBE+ FLReset-
        DevCtl:    Report errors: Correctable- Non-Fatal- Fatal-
Unsupported-
            RlxdOrd+ ExtTag- PhantFunc- AuxPwr- NoSnoop-
            MaxPayload 128 bytes, MaxReadReq 128 bytes
        DevSta:    CorrErr- UncorrErr- FatalErr- UnsuppReq+ AuxPwr-
TransPend-
        LnkCap:    Port #1, Speed 2.5GT/s, Width x1, ASPM L0s L1, Latency L0
unlimited, L1 unlimited
            ClockPM- Suprise- LLActRep- BwNot-
        LnkCtl:    ASPM Disabled; RCB 64 bytes Disabled- Retrain- CommClk+
            ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-
        LnkSta:    Speed 2.5GT/s, Width x1, TrErr- Train- SlotClk+ DLActive-
BWMgmt- ABWMgmt-
    Capabilities: [94] Message Signalled Interrupts: Mask- 64bit- Queue=0/0
```

```
Enable-
        Address: fffffffc  Data: 0000
    Kernel modules: sdhci-pci

05:00.3 System peripheral: JMicron Technology Corp. MS Host Controller (rev
80)
    Subsystem: ASUSTeK Computer Inc. Device 1a07
    Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0, Cache Line Size: 64 bytes
    Interrupt: pin B routed to IRQ 18
    Region 0: Memory at d0205000 (32-bit, non-prefetchable) [size=256]
    Capabilities: [a4] Power Management version 3
        Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-
,D3cold-)
        Status: D0 PME-Enable- DSel=0 DScale=0 PME-
    Capabilities: [80] Express (v1) Endpoint, MSI 00
        DevCap:    MaxPayload 128 bytes, PhantFunc 0, Latency L0s <64ns, L1
<1us
            ExtTag- AttnBtn- AttnInd- PwrInd- RBE+ FLReset-
        DevCtl:    Report errors: Correctable- Non-Fatal- Fatal-
Unsupported-
            RlxdOrd+ ExtTag- PhantFunc- AuxPwr- NoSnoop-
            MaxPayload 128 bytes, MaxReadReq 128 bytes
        DevSta:    CorrErr- UncorrErr- FatalErr- UnsuppReq+ AuxPwr-
TransPend-
        LnkCap:    Port #1, Speed 2.5GT/s, Width x1, ASPM L0s L1, Latency L0
unlimited, L1 unlimited
            ClockPM- Suprise- LLActRep- BwNot-
        LnkCtl:    ASPM Disabled; RCB 64 bytes Disabled- Retrain- CommClk+
            ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-
        LnkSta:    Speed 2.5GT/s, Width x1, TrErr- Train- SlotClk+ DLActive-
BWMgmt- ABWMgmt-
    Capabilities: [94] Message Signalled Interrupts: Mask- 64bit- Queue=0/0
Enable-
        Address: fffffffc  Data: 0000
    Kernel driver in use: jmb38x_ms
    Kernel modules: jmb38x_ms

05:00.4 System peripheral: JMicron Technology Corp. xD Host Controller (rev
80)
    Subsystem: ASUSTeK Computer Inc. Device 1a07
    Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0, Cache Line Size: 64 bytes
    Interrupt: pin B routed to IRQ 4
```

```
    Region 0: Memory at d0204000 (32-bit, non-prefetchable) [size=256]
    Capabilities: [a4] Power Management version 3
        Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-
,D3cold-)
        Status: D0 PME-Enable- DSel=0 DScale=0 PME-
    Capabilities: [80] Express (v1) Endpoint, MSI 00
        DevCap:    MaxPayload 128 bytes, PhantFunc 0, Latency L0s <64ns, L1
<1us
            ExtTag- AttnBtn- AttnInd- PwrInd- RBE+ FLReset-
        DevCtl:    Report errors: Correctable- Non-Fatal- Fatal-
Unsupported-
            RlxdOrd+ ExtTag- PhantFunc- AuxPwr- NoSnoop-
            MaxPayload 128 bytes, MaxReadReq 128 bytes
        DevSta:    CorrErr- UncorrErr- FatalErr- UnsuppReq+ AuxPwr-
TransPend-
        LnkCap:    Port #1, Speed 2.5GT/s, Width x1, ASPM L0s L1, Latency L0
unlimited, L1 unlimited
            ClockPM- Suprise- LLActRep- BwNot-
        LnkCtl:    ASPM Disabled; RCB 64 bytes Disabled- Retrain- CommClk+
            ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-
        LnkSta:    Speed 2.5GT/s, Width x1, TrErr- Train- SlotClk+ DLActive-
BWMgmt- ABWMgmt-
    Capabilities: [94] Message Signalled Interrupts: Mask- 64bit- Queue=0/0
Enable-
        Address: fffffffc  Data: 0000

05:00.5 Ethernet controller: JMicron Technology Corp. JMC250 PCI Express
Gigabit Ethernet Controller (rev 03)
    Subsystem: ASUSTeK Computer Inc. Device 1905
    Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx+
    Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0, Cache Line Size: 64 bytes
    Interrupt: pin A routed to IRQ 35
    Region 0: Memory at d0200000 (32-bit, non-prefetchable) [size=16K]
    Region 2: I/O ports at 9100 [size=128]
    Region 3: I/O ports at 9000 [size=256]
    Capabilities: [68] Power Management version 3
        Flags: PMEClk- DSI- D1- D2- AuxCurrent=375mA PME(D0+,D1-,D2-
,D3hot+,D3cold+)
        Status: D0 PME-Enable- DSel=0 DScale=0 PME-
    Capabilities: [50] Express (v1) Legacy Endpoint, MSI 00
        DevCap:    MaxPayload 128 bytes, PhantFunc 0, Latency L0s <64ns, L1
<1us
            ExtTag- AttnBtn- AttnInd- PwrInd- RBE+ FLReset-
        DevCtl:    Report errors: Correctable- Non-Fatal- Fatal-
Unsupported-
            RlxdOrd- ExtTag- PhantFunc- AuxPwr- NoSnoop-
            MaxPayload 128 bytes, MaxReadReq 512 bytes
        DevSta:    CorrErr- UncorrErr- FatalErr- UnsuppReq+ AuxPwr+
```

```
TransPend-
        LnkCap:    Port #0, Speed 2.5GT/s, Width x1, ASPM L0s L1, Latency L0
unlimited, L1 unlimited
            ClockPM- Suprise- LLActRep- BwNot-
        LnkCtl:    ASPM Disabled; RCB 64 bytes Disabled- Retrain- CommClk+
            ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-
        LnkSta:    Speed 2.5GT/s, Width x1, TrErr- Train- SlotClk+ DLActive-
BWMgmt- ABWMgmt-
    Capabilities: [40] MSI-X: Enable- Mask- TabSize=8
        Vector table: BAR=0 offset=00002000
        PBA: BAR=0 offset=00003000
    Capabilities: [70] Message Signalled Interrupts: Mask+ 64bit+ Queue=0/3
Enable+
        Address: 00000000fee0400c  Data: 41d1
        Masking: 000000fe  Pending: 00000000
    Kernel driver in use: jme
    Kernel modules: jme

ff:00.0 Host bridge: Intel Corporation Core Processor QuickPath Architecture
Generic Non-core Registers (rev 05)
    Subsystem: Intel Corporation Device 8086
    Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap- 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0

ff:00.1 Host bridge: Intel Corporation Core Processor QuickPath Architecture
System Address Decoder (rev 05)
    Subsystem: Intel Corporation Device 8086
    Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap- 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0

ff:02.0 Host bridge: Intel Corporation Core Processor QPI Link 0 (rev 05)
    Subsystem: Intel Corporation Device 8086
    Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap- 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0

ff:02.1 Host bridge: Intel Corporation Core Processor QPI Physical 0 (rev
05)
    Subsystem: Intel Corporation Device 8086
    Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap- 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
```

```
<MAbort- >SERR- <PERR- INTx-
    Latency: 0

ff:02.2 Host bridge: Intel Corporation Core Processor Reserved (rev 05)
    Subsystem: Intel Corporation Device 8086
    Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap- 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0

ff:02.3 Host bridge: Intel Corporation Core Processor Reserved (rev 05)
    Subsystem: Intel Corporation Device 8086
    Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
    Status: Cap- 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
    Latency: 0


Bus 002 Device 002: ID 8087:0020
Device Descriptor:
  bLength                18
  bDescriptorType         1
  bcdUSB               2.00
  bDeviceClass            9 Hub
  bDeviceSubClass         0 Unused
  bDeviceProtocol         1 Single TT
  bMaxPacketSize0        64
  idVendor           0x8087
  idProduct          0x0020
  bcdDevice            0.00
  iManufacturer           0
  iProduct                0
  iSerial                 0
  bNumConfigurations      1
  Configuration Descriptor:
    bLength                 9
    bDescriptorType         2
    wTotalLength           25
    bNumInterfaces          1
    bConfigurationValue     1
    iConfiguration          0
    bmAttributes         0xe0
      Self Powered
      Remote Wakeup
    MaxPower                0mA
    Interface Descriptor:
      bLength                 9
      bDescriptorType         4
      bInterfaceNumber        0
```

```
      bAlternateSetting       0
      bNumEndpoints           1
      bInterfaceClass         9 Hub
      bInterfaceSubClass      0 Unused
      bInterfaceProtocol      0 Full speed (or root) hub
      iInterface              0
      Endpoint Descriptor:
        bLength                 7
        bDescriptorType         5
        bEndpointAddress     0x81  EP 1 IN
        bmAttributes            3
          Transfer Type            Interrupt
          Synch Type               None
          Usage Type               Data
        wMaxPacketSize     0x0002  1x 2 bytes
        bInterval              12
Hub Descriptor:
  bLength             11
  bDescriptorType     41
  nNbrPorts            8
  wHubCharacteristic 0x0089
    Per-port power switching
    Per-port overcurrent protection
    TT think time 8 FS bits
    Port indicators
  bPwrOn2PwrGood      50 * 2 milli seconds
  bHubContrCurrent     0 milli Ampere
  DeviceRemovable    0x00 0x00
  PortPwrCtrlMask    0xff 0xff
 Hub Port Status:
   Port 1: 0000.0100 power
   Port 2: 0000.0100 power
   Port 3: 0000.0100 power
   Port 4: 0000.0100 power
   Port 5: 0000.0100 power
   Port 6: 0000.0100 power
   Port 7: 0000.0100 power
   Port 8: 0000.0100 power
Device Qualifier (for other device speed):
  bLength                10
  bDescriptorType         6
  bcdUSB               2.00
  bDeviceClass            9 Hub
  bDeviceSubClass         0 Unused
  bDeviceProtocol         0 Full speed (or root) hub
  bMaxPacketSize0        64
  bNumConfigurations      1
Device Status:     0x0001
  Self Powered
```

```
Bus 002 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Device Descriptor:
  bLength                18
  bDescriptorType         1
  bcdUSB               2.00
  bDeviceClass            9 Hub
  bDeviceSubClass         0 Unused
  bDeviceProtocol         0 Full speed (or root) hub
  bMaxPacketSize0        64
  idVendor           0x1d6b Linux Foundation
  idProduct          0x0002 2.0 root hub
  bcdDevice            2.06
  iManufacturer           3 Linux 2.6.32-27-generic-pae ehci_hcd
  iProduct                2 EHCI Host Controller
  iSerial                 1 0000:00:1d.0
  bNumConfigurations      1
  Configuration Descriptor:
    bLength                 9
    bDescriptorType         2
    wTotalLength           25
    bNumInterfaces          1
    bConfigurationValue     1
    iConfiguration          0
    bmAttributes         0xe0
      Self Powered
      Remote Wakeup
    MaxPower                0mA
    Interface Descriptor:
      bLength                 9
      bDescriptorType         4
      bInterfaceNumber        0
      bAlternateSetting       0
      bNumEndpoints           1
      bInterfaceClass         9 Hub
      bInterfaceSubClass      0 Unused
      bInterfaceProtocol      0 Full speed (or root) hub
      iInterface              0
      Endpoint Descriptor:
        bLength                 7
        bDescriptorType         5
        bEndpointAddress     0x81  EP 1 IN
        bmAttributes            3
          Transfer Type            Interrupt
          Synch Type               None
          Usage Type               Data
        wMaxPacketSize     0x0004  1x 4 bytes
        bInterval              12
Hub Descriptor:
  bLength               9
  bDescriptorType      41
  nNbrPorts             2
```

```
  wHubCharacteristic 0x000a
    No power switching (usb 1.0)
    Per-port overcurrent protection
  bPwrOn2PwrGood       10 * 2 milli seconds
  bHubContrCurrent      0 milli Ampere
  DeviceRemovable    0x00
  PortPwrCtrlMask    0xff
 Hub Port Status:
   Port 1: 0000.0503 highspeed power enable connect
   Port 2: 0000.0100 power
Device Status:     0x0003
  Self Powered
  Remote Wakeup Enabled

Bus 001 Device 003: ID 13d3:5130 IMC Networks
Device Descriptor:
  bLength                18
  bDescriptorType         1
  bcdUSB               2.00
  bDeviceClass          239 Miscellaneous Device
  bDeviceSubClass         2 ?
  bDeviceProtocol         1 Interface Association
  bMaxPacketSize0        64
  idVendor           0x13d3 IMC Networks
  idProduct          0x5130
  bcdDevice           12.11
  iManufacturer           2 Sonix Technology Co., Ltd.
  iProduct                1 USB 2.0 Camera
  iSerial                 0
  bNumConfigurations      1
  Configuration Descriptor:
    bLength                 9
    bDescriptorType         2
    wTotalLength          569
    bNumInterfaces          2
    bConfigurationValue     1
    iConfiguration          0
    bmAttributes         0x80
      (Bus Powered)
    MaxPower              500mA
    Interface Association:
      bLength                 8
      bDescriptorType        11
      bFirstInterface         0
      bInterfaceCount         2
      bFunctionClass         14 Video
      bFunctionSubClass       3 Video Interface Collection
      bFunctionProtocol       0
      iFunction               4 USB Camera
    Interface Descriptor:
```

```
      bLength                 9
      bDescriptorType         4
      bInterfaceNumber        0
      bAlternateSetting       0
      bNumEndpoints           1
      bInterfaceClass        14 Video
      bInterfaceSubClass      1 Video Control
      bInterfaceProtocol      0
      iInterface              4 USB Camera
      VideoControl Interface Descriptor:
        bLength                13
        bDescriptorType        36
        bDescriptorSubtype      1 (HEADER)
        bcdUVC               1.00
        wTotalLength          103
        dwClockFrequency       15.000000MHz
        bInCollection           1
        baInterfaceNr( 0)       1
      VideoControl Interface Descriptor:
        bLength                 9
        bDescriptorType        36
        bDescriptorSubtype      3 (OUTPUT_TERMINAL)
        bTerminalID             2
        wTerminalType      0x0101 USB Streaming
        bAssocTerminal          0
        bSourceID               5
        iTerminal               0
      VideoControl Interface Descriptor:
        bLength                26
        bDescriptorType        36
        bDescriptorSubtype      6 (EXTENSION_UNIT)
        bUnitID                 4
        guidExtensionCode         {7033f028-1163-2e4a-ba2c-6890eb334016}
        bNumControl             8
        bNrPins                 1
        baSourceID( 0)          3
        bControlSize            1
        bmControls( 0)       0x1f
        iExtension              0
      VideoControl Interface Descriptor:
        bLength                26
        bDescriptorType        36
        bDescriptorSubtype      6 (EXTENSION_UNIT)
        bUnitID                 5
        guidExtensionCode         {3fae1228-d7bc-114e-a357-6f1edef7d61d}
        bNumControl             8
        bNrPins                 1
        baSourceID( 0)          4
        bControlSize            1
        bmControls( 0)       0xff
        iExtension              0
```

```
      VideoControl Interface Descriptor:
        bLength                18
        bDescriptorType        36
        bDescriptorSubtype      2 (INPUT_TERMINAL)
        bTerminalID             1
        wTerminalType      0x0201 Camera Sensor
        bAssocTerminal          0
        iTerminal               0
        wObjectiveFocalLengthMin      0
        wObjectiveFocalLengthMax      0
        wOcularFocalLength            0
        bControlSize                  3
        bmControls           0x00000000
      VideoControl Interface Descriptor:
        bLength                11
        bDescriptorType        36
        bDescriptorSubtype      5 (PROCESSING_UNIT)
      Warning: Descriptor too short
        bUnitID                 3
        bSourceID               1
        wMaxMultiplier          0
        bControlSize            2
        bmControls     0x0000177f
          Brightness
          Contrast
          Hue
          Saturation
          Sharpness
          Gamma
          White Balance Temperature
          Backlight Compensation
          Gain
          Power Line Frequency
          White Balance Temperature, Auto
        iProcessing             0
        bmVideoStandards     0x 0
      Endpoint Descriptor:
        bLength                 7
        bDescriptorType         5
        bEndpointAddress     0x83  EP 3 IN
        bmAttributes            3
          Transfer Type            Interrupt
          Synch Type               None
          Usage Type               Data
        wMaxPacketSize     0x0010  1x 16 bytes
        bInterval               6
    Interface Descriptor:
      bLength                 9
      bDescriptorType         4
      bInterfaceNumber        1
```

```
      bAlternateSetting       0
      bNumEndpoints           0
      bInterfaceClass        14 Video
      bInterfaceSubClass      2 Video Streaming
      bInterfaceProtocol      0
      iInterface              0
      VideoStreaming Interface Descriptor:
        bLength                            14
        bDescriptorType                    36
        bDescriptorSubtype                  1 (INPUT_HEADER)
        bNumFormats                         1
        wTotalLength                      323
        bEndPointAddress                  129
        bmInfo                              0
        bTerminalLink                       2
        bStillCaptureMethod                 0
        bTriggerSupport                     1
        bTriggerUsage                       1
        bControlSize                        1
        bmaControls( 0)                    27
      VideoStreaming Interface Descriptor:
        bLength                            27
        bDescriptorType                    36
        bDescriptorSubtype                  4 (FORMAT_UNCOMPRESSED)
        bFormatIndex                        1
        bNumFrameDescriptors                6
        guidFormat
{59555932-0000-1000-8000-00aa00389b71}
        bBitsPerPixel                      16
        bDefaultFrameIndex                  1
        bAspectRatioX                       0
        bAspectRatioY                       0
        bmInterlaceFlags                 0x00
          Interlaced stream or variable: No
          Fields per frame: 1 fields
          Field 1 first: No
          Field pattern: Field 1 only
          bCopyProtect                      0
      VideoStreaming Interface Descriptor:
        bLength                            46
        bDescriptorType                    36
        bDescriptorSubtype                  5 (FRAME_UNCOMPRESSED)
        bFrameIndex                         1
        bmCapabilities                   0x00
          Still image unsupported
        wWidth                            640
        wHeight                           480
        dwMinBitRate                 24576000
        dwMaxBitRate                147456000
        dwMaxVideoFrameBufferSize      614400
        dwDefaultFrameInterval         333333
```

```
        bFrameIntervalType                5
        dwFrameInterval( 0)          333333
        dwFrameInterval( 1)          500000
        dwFrameInterval( 2)          666666
        dwFrameInterval( 3)         1000000
        dwFrameInterval( 4)         2000000
      VideoStreaming Interface Descriptor:
        bLength                          46
        bDescriptorType                  36
        bDescriptorSubtype                5 (FRAME_UNCOMPRESSED)
        bFrameIndex                       2
        bmCapabilities                 0x00
          Still image unsupported
        wWidth                          352
        wHeight                         288
        dwMinBitRate                 8110080
        dwMaxBitRate                48660480
        dwMaxVideoFrameBufferSize     202752
        dwDefaultFrameInterval        333333
        bFrameIntervalType                5
        dwFrameInterval( 0)          333333
        dwFrameInterval( 1)          500000
        dwFrameInterval( 2)          666666
        dwFrameInterval( 3)         1000000
        dwFrameInterval( 4)         2000000
      VideoStreaming Interface Descriptor:
        bLength                          46
        bDescriptorType                  36
        bDescriptorSubtype                5 (FRAME_UNCOMPRESSED)
        bFrameIndex                       3
        bmCapabilities                 0x00
          Still image unsupported
        wWidth                          320
        wHeight                         240
        dwMinBitRate                 6144000
        dwMaxBitRate                36864000
        dwMaxVideoFrameBufferSize     153600
        dwDefaultFrameInterval        333333
        bFrameIntervalType                5
        dwFrameInterval( 0)          333333
        dwFrameInterval( 1)          500000
        dwFrameInterval( 2)          666666
        dwFrameInterval( 3)         1000000
        dwFrameInterval( 4)         2000000
      VideoStreaming Interface Descriptor:
        bLength                          46
        bDescriptorType                  36
        bDescriptorSubtype                5 (FRAME_UNCOMPRESSED)
        bFrameIndex                       4
        bmCapabilities                 0x00
```

```
        Still image unsupported
      wWidth                            176
      wHeight                           144
      dwMinBitRate                  2027520
      dwMaxBitRate                 12165120
      dwMaxVideoFrameBufferSize       50688
      dwDefaultFrameInterval         333333
      bFrameIntervalType                  5
      dwFrameInterval( 0)            333333
      dwFrameInterval( 1)            500000
      dwFrameInterval( 2)            666666
      dwFrameInterval( 3)           1000000
      dwFrameInterval( 4)           2000000
    VideoStreaming Interface Descriptor:
      bLength                            46
      bDescriptorType                    36
      bDescriptorSubtype                  5 (FRAME_UNCOMPRESSED)
      bFrameIndex                         5
      bmCapabilities                   0x00
        Still image unsupported
      wWidth                            160
      wHeight                           120
      dwMinBitRate                  1536000
      dwMaxBitRate                  9216000
      dwMaxVideoFrameBufferSize       38400
      dwDefaultFrameInterval         333333
      bFrameIntervalType                  5
      dwFrameInterval( 0)            333333
      dwFrameInterval( 1)            500000
      dwFrameInterval( 2)            666666
      dwFrameInterval( 3)           1000000
      dwFrameInterval( 4)           2000000
    VideoStreaming Interface Descriptor:
      bLength                            46
      bDescriptorType                    36
      bDescriptorSubtype                  5 (FRAME_UNCOMPRESSED)
      bFrameIndex                         6
      bmCapabilities                   0x00
        Still image unsupported
      wWidth                            640
      wHeight                           480
      dwMinBitRate                 24576000
      dwMaxBitRate                147456000
      dwMaxVideoFrameBufferSize      614400
      dwDefaultFrameInterval         333333
      bFrameIntervalType                  5
      dwFrameInterval( 0)            333333
      dwFrameInterval( 1)            500000
      dwFrameInterval( 2)            666666
      dwFrameInterval( 3)           1000000
      dwFrameInterval( 4)           2000000
```

```
      VideoStreaming Interface Descriptor:
        bLength                             6
        bDescriptorType                    36
        bDescriptorSubtype                 13 (COLORFORMAT)
        bColorPrimaries                     1 (BT.709,sRGB)
        bTransferCharacteristics            1 (BT.709)
        bMatrixCoefficients                 4 (SMPTE 170M (BT.601))
    Interface Descriptor:
      bLength                 9
      bDescriptorType         4
      bInterfaceNumber        1
      bAlternateSetting       1
      bNumEndpoints           1
      bInterfaceClass        14 Video
      bInterfaceSubClass      2 Video Streaming
      bInterfaceProtocol      0
      iInterface              0
      Endpoint Descriptor:
        bLength                 7
        bDescriptorType         5
        bEndpointAddress     0x81  EP 1 IN
        bmAttributes            5
          Transfer Type            Isochronous
          Synch Type               Asynchronous
          Usage Type               Data
        wMaxPacketSize     0x0080  1x 128 bytes
        bInterval               1
    Interface Descriptor:
      bLength                 9
      bDescriptorType         4
      bInterfaceNumber        1
      bAlternateSetting       2
      bNumEndpoints           1
      bInterfaceClass        14 Video
      bInterfaceSubClass      2 Video Streaming
      bInterfaceProtocol      0
      iInterface              0
      Endpoint Descriptor:
        bLength                 7
        bDescriptorType         5
        bEndpointAddress     0x81  EP 1 IN
        bmAttributes            5
          Transfer Type            Isochronous
          Synch Type               Asynchronous
          Usage Type               Data
        wMaxPacketSize     0x0100  1x 256 bytes
        bInterval               1
    Interface Descriptor:
      bLength                 9
      bDescriptorType         4
```

```
      bInterfaceNumber        1
      bAlternateSetting       3
      bNumEndpoints           1
      bInterfaceClass        14 Video
      bInterfaceSubClass      2 Video Streaming
      bInterfaceProtocol      0
      iInterface              0
      Endpoint Descriptor:
        bLength                 7
        bDescriptorType         5
        bEndpointAddress     0x81  EP 1 IN
        bmAttributes            5
          Transfer Type            Isochronous
          Synch Type               Asynchronous
          Usage Type               Data
        wMaxPacketSize     0x0320  1x 800 bytes
        bInterval               1
    Interface Descriptor:
      bLength                 9
      bDescriptorType         4
      bInterfaceNumber        1
      bAlternateSetting       4
      bNumEndpoints           1
      bInterfaceClass        14 Video
      bInterfaceSubClass      2 Video Streaming
      bInterfaceProtocol      0
      iInterface              0
      Endpoint Descriptor:
        bLength                 7
        bDescriptorType         5
        bEndpointAddress     0x81  EP 1 IN
        bmAttributes            5
          Transfer Type            Isochronous
          Synch Type               Asynchronous
          Usage Type               Data
        wMaxPacketSize     0x0b20  2x 800 bytes
        bInterval               1
    Interface Descriptor:
      bLength                 9
      bDescriptorType         4
      bInterfaceNumber        1
      bAlternateSetting       5
      bNumEndpoints           1
      bInterfaceClass        14 Video
      bInterfaceSubClass      2 Video Streaming
      bInterfaceProtocol      0
      iInterface              0
      Endpoint Descriptor:
        bLength                 7
        bDescriptorType         5
        bEndpointAddress     0x81  EP 1 IN
```

```
        bmAttributes            5
          Transfer Type            Isochronous
          Synch Type               Asynchronous
          Usage Type               Data
        wMaxPacketSize     0x1320  3x 800 bytes
        bInterval               1
    Interface Descriptor:
      bLength                 9
      bDescriptorType         4
      bInterfaceNumber        1
      bAlternateSetting       6
      bNumEndpoints           1
      bInterfaceClass        14 Video
      bInterfaceSubClass      2 Video Streaming
      bInterfaceProtocol      0
      iInterface              0
      Endpoint Descriptor:
        bLength                 7
        bDescriptorType         5
        bEndpointAddress     0x81  EP 1 IN
        bmAttributes            5
          Transfer Type            Isochronous
          Synch Type               Asynchronous
          Usage Type               Data
        wMaxPacketSize     0x1400  3x 1024 bytes
        bInterval               1
Device Qualifier (for other device speed):
  bLength                10
  bDescriptorType         6
  bcdUSB               2.00
  bDeviceClass          239 Miscellaneous Device
  bDeviceSubClass         2 ?
  bDeviceProtocol         1 Interface Association
  bMaxPacketSize0        64
  bNumConfigurations      1
Device Status:     0x0002
  (Bus Powered)
  Remote Wakeup Enabled

Bus 001 Device 002: ID 8087:0020
Device Descriptor:
  bLength                18
  bDescriptorType         1
  bcdUSB               2.00
  bDeviceClass            9 Hub
  bDeviceSubClass         0 Unused
  bDeviceProtocol         1 Single TT
  bMaxPacketSize0        64
  idVendor           0x8087
  idProduct          0x0020
```

```
  bcdDevice            0.00
  iManufacturer           0
  iProduct                0
  iSerial                 0
  bNumConfigurations      1
  Configuration Descriptor:
    bLength                 9
    bDescriptorType         2
    wTotalLength           25
    bNumInterfaces          1
    bConfigurationValue     1
    iConfiguration          0
    bmAttributes         0xe0
      Self Powered
      Remote Wakeup
    MaxPower                0mA
    Interface Descriptor:
      bLength                 9
      bDescriptorType         4
      bInterfaceNumber        0
      bAlternateSetting       0
      bNumEndpoints           1
      bInterfaceClass         9 Hub
      bInterfaceSubClass      0 Unused
      bInterfaceProtocol      0 Full speed (or root) hub
      iInterface              0
      Endpoint Descriptor:
        bLength                 7
        bDescriptorType         5
        bEndpointAddress     0x81  EP 1 IN
        bmAttributes            3
          Transfer Type            Interrupt
          Synch Type               None
          Usage Type               Data
        wMaxPacketSize     0x0001  1x 1 bytes
        bInterval              12
Hub Descriptor:
  bLength               9
  bDescriptorType      41
  nNbrPorts             6
  wHubCharacteristic 0x0089
    Per-port power switching
    Per-port overcurrent protection
    TT think time 8 FS bits
    Port indicators
  bPwrOn2PwrGood       50 * 2 milli seconds
  bHubContrCurrent      0 milli Ampere
  DeviceRemovable    0x00
  PortPwrCtrlMask    0xff
 Hub Port Status:
   Port 1: 0000.0100 power
```

```
   Port 2: 0000.0503 highspeed power enable connect
   Port 3: 0000.0100 power
   Port 4: 0000.0100 power
   Port 5: 0000.0100 power
   Port 6: 0000.0100 power
Device Qualifier (for other device speed):
  bLength                10
  bDescriptorType         6
  bcdUSB               2.00
  bDeviceClass            9 Hub
  bDeviceSubClass         0 Unused
  bDeviceProtocol         0 Full speed (or root) hub
  bMaxPacketSize0        64
  bNumConfigurations      1
Device Status:     0x0001
  Self Powered

Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Device Descriptor:
  bLength                18
  bDescriptorType         1
  bcdUSB               2.00
  bDeviceClass            9 Hub
  bDeviceSubClass         0 Unused
  bDeviceProtocol         0 Full speed (or root) hub
  bMaxPacketSize0        64
  idVendor           0x1d6b Linux Foundation
  idProduct          0x0002 2.0 root hub
  bcdDevice            2.06
  iManufacturer           3 Linux 2.6.32-27-generic-pae ehci_hcd
  iProduct                2 EHCI Host Controller
  iSerial                 1 0000:00:1a.0
  bNumConfigurations      1
  Configuration Descriptor:
    bLength                 9
    bDescriptorType         2
    wTotalLength           25
    bNumInterfaces          1
    bConfigurationValue     1
    iConfiguration          0
    bmAttributes         0xe0
      Self Powered
      Remote Wakeup
    MaxPower                0mA
    Interface Descriptor:
      bLength                 9
      bDescriptorType         4
      bInterfaceNumber        0
      bAlternateSetting       0
      bNumEndpoints           1
```

```
      bInterfaceClass         9 Hub
      bInterfaceSubClass      0 Unused
      bInterfaceProtocol      0 Full speed (or root) hub
      iInterface              0
      Endpoint Descriptor:
        bLength                 7
        bDescriptorType         5
        bEndpointAddress     0x81  EP 1 IN
        bmAttributes            3
          Transfer Type            Interrupt
          Synch Type               None
          Usage Type               Data
        wMaxPacketSize     0x0004  1x 4 bytes
        bInterval              12
Hub Descriptor:
  bLength               9
  bDescriptorType      41
  nNbrPorts             2
  wHubCharacteristic 0x000a
    No power switching (usb 1.0)
    Per-port overcurrent protection
  bPwrOn2PwrGood       10 * 2 milli seconds
  bHubContrCurrent      0 milli Ampere
  DeviceRemovable    0x00
  PortPwrCtrlMask    0xff
 Hub Port Status:
   Port 1: 0000.0503 highspeed power enable connect
   Port 2: 0000.0100 power
Device Status:     0x0003
  Self Powered
  Remote Wakeup Enabled
casa-laptop
    description: Notebook
    product: K52JU
    vendor: ASUSTeK Computer Inc.
    version: 1.0
    serial: ABN0BC007D3247
    width: 32 bits
    capabilities: smbios-2.6 dmi-2.6 smp-1.4 smp
    configuration: boot=normal chassis=notebook cpus=1
uuid=BEA30E00-0038-1480-FFFF-20CF30D4B51D
  *-core
       description: Motherboard
       product: K52JU
       vendor: ASUSTeK Computer Inc.
       physical id: 0
       version: 1.0
       serial: BSN12345678901234567
       slot: MIDDLE
     *-firmware
          description: BIOS
```

```
          vendor: American Megatrends Inc.
          physical id: 0
          version: K52JU.203 (10/28/2010)
          size: 64KiB
          capacity: 1984KiB
          capabilities: pci upgrade shadowing cdboot bootselect edd
int13floppy1200 int13floppy720 int13floppy2880 int5printscreen int9keyboard
int14serial int17printer acpi usb smartbattery biosbootspecification
     *-cpu
          description: CPU
          product: Intel(R) Core(TM) i5 CPU       M 460  @ 2.53GHz
          vendor: Intel Corp.
          physical id: 4
          bus info: cpu@0
          version: 6.5.5
          serial: 0002-0655-0000-0000-0000-0000
          slot: Socket 989
          size: 1199MHz
          capacity: 4GHz
          width: 64 bits
          clock: 133MHz
          capabilities: boot fpu fpu_exception wp 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 nx rdtscp x86-64 constant_tsc arch_perfmon pebs bts xtopology
nonstop_tsc aperfmperf pni dtes64 monitor ds_cpl vmx est tm2 ssse3 cx16 xtpr
pdcm sse4_1 sse4_2 popcnt lahf_lm ida arat tpr_shadow vnmi flexpriority ept
vpid cpufreq
          configuration: id=4
        *-cache:0
             description: L1 cache
             physical id: 5
             slot: L1-Cache
             size: 32KiB
             capacity: 32KiB
             capabilities: internal write-back unified
        *-cache:1
             description: L2 cache
             physical id: 6
             slot: L2-Cache
             size: 256KiB
             capacity: 256KiB
             capabilities: internal varies unified
        *-cache:2
             description: L3 cache
             physical id: 7
             slot: L3-Cache
             size: 3MiB
             capacity: 3MiB
             capabilities: internal varies unified
        *-logicalcpu:0
```

```
             description: Logical CPU
             physical id: 4.1
             width: 64 bits
             capabilities: logical
        *-logicalcpu:1
             description: Logical CPU
             physical id: 4.2
             width: 64 bits
             capabilities: logical
        *-logicalcpu:2
             description: Logical CPU
             physical id: 4.3
             width: 64 bits
             capabilities: logical
        *-logicalcpu:3
             description: Logical CPU
             physical id: 4.4
             width: 64 bits
             capabilities: logical
        *-logicalcpu:4
             description: Logical CPU
             physical id: 4.5
             width: 64 bits
             capabilities: logical
        *-logicalcpu:5
             description: Logical CPU
             physical id: 4.6
             width: 64 bits
             capabilities: logical
        *-logicalcpu:6
             description: Logical CPU
             physical id: 4.7
             width: 64 bits
             capabilities: logical
        *-logicalcpu:7
             description: Logical CPU
             physical id: 4.8
             width: 64 bits
             capabilities: logical
        *-logicalcpu:8
             description: Logical CPU
             physical id: 4.9
             width: 64 bits
             capabilities: logical
        *-logicalcpu:9
             description: Logical CPU
             physical id: 4.a
             width: 64 bits
             capabilities: logical
        *-logicalcpu:10
             description: Logical CPU
```

```
             physical id: 4.b
             width: 64 bits
             capabilities: logical
        *-logicalcpu:11
             description: Logical CPU
             physical id: 4.c
             width: 64 bits
             capabilities: logical
        *-logicalcpu:12
             description: Logical CPU
             physical id: 4.d
             width: 64 bits
             capabilities: logical
        *-logicalcpu:13
             description: Logical CPU
             physical id: 4.e
             width: 64 bits
             capabilities: logical
        *-logicalcpu:14
             description: Logical CPU
             physical id: 4.f
             width: 64 bits
             capabilities: logical
        *-logicalcpu:15
             description: Logical CPU
             physical id: 4.10
             width: 64 bits
             capabilities: logical
     *-memory
          description: System Memory
          physical id: 41
          slot: System board or motherboard
          size: 4GiB
        *-bank:0
             description: SODIMM Synchronous 1067 MHz (0.9 ns)
             product: EBJ21UE8BFU0-DJ-F
             vendor: 02FE
             physical id: 0
             serial: F849355D
             slot: DIMM0
             size: 2GiB
             width: 64 bits
             clock: 1067MHz (0.9ns)
        *-bank:1
             description: DIMM [empty]
             product: [Empty]
             vendor: [Empty]
             physical id: 1
             serial: [Empty]
             slot: DIMM1
```

```
        *-bank:2
             description: SODIMM Synchronous 1067 MHz (0.9 ns)
             product: EBJ21UE8BFU0-DJ-F
             vendor: 02FE
             physical id: 2
             serial: F749355B
             slot: DIMM2
             size: 2GiB
             width: 64 bits
             clock: 1067MHz (0.9ns)
        *-bank:3
             description: DIMM [empty]
             product: [Empty]
             vendor: [Empty]
             physical id: 3
             serial: [Empty]
             slot: DIMM3
     *-pci:0
          description: Host bridge
          product: Core Processor DRAM Controller
          vendor: Intel Corporation
          physical id: 100
          bus info: pci@0000:00:00.0
          version: 18
          width: 32 bits
          clock: 33MHz
        *-pci:0
             description: PCI bridge
             product: Core Processor PCI Express x16 Root Port
             vendor: Intel Corporation
             physical id: 1
             bus info: pci@0000:00:01.0
             version: 18
             width: 32 bits
             clock: 33MHz
             capabilities: pci pm msi pciexpress bus_master cap_list
             configuration: driver=pcieport
             resources: irq:29 ioport:d000(size=4096) memory:c0000000-
d00fffff
           *-display UNCLAIMED
                description: VGA compatible controller
                product: ATI Technologies Inc
                vendor: ATI Technologies Inc
                physical id: 0
                bus info: pci@0000:01:00.0
                version: 00
                width: 64 bits
                clock: 33MHz
                capabilities: pm pciexpress msi bus_master cap_list
                configuration: latency=0
                resources: memory:c0000000-cfffffff(prefetchable)
```

```
memory:d0020000-d003ffff ioport:d000(size=256) memory:d0000000-
d001ffff(prefetchable)
           *-multimedia
                description: Audio device
                product: Manhattan HDMI Audio [Mobility Radeon HD 5000
Series]
                vendor: ATI Technologies Inc
                physical id: 0.1
                bus info: pci@0000:01:00.1
                version: 00
                width: 64 bits
                clock: 33MHz
                capabilities: pm pciexpress msi bus_master cap_list
                configuration: driver=HDA Intel latency=0
                resources: irq:17 memory:d0040000-d0043fff
        *-communication UNCLAIMED
             description: Communication controller
             product: 5 Series/3400 Series Chipset HECI Controller
             vendor: Intel Corporation
             physical id: 16
             bus info: pci@0000:00:16.0
             version: 06
             width: 64 bits
             clock: 33MHz
             capabilities: pm msi bus_master cap_list
             configuration: latency=0
             resources: memory:d520a000-d520a00f
        *-usb:0
             description: USB Controller
             product: 5 Series/3400 Series Chipset USB2 Enhanced Host
Controller
             vendor: Intel Corporation
             physical id: 1a
             bus info: pci@0000:00:1a.0
             version: 06
             width: 32 bits
             clock: 33MHz
             capabilities: pm debug bus_master cap_list
             configuration: driver=ehci_hcd latency=0
             resources: irq:16 memory:d5208000-d52083ff
        *-multimedia
             description: Audio device
             product: 5 Series/3400 Series Chipset High Definition Audio
             vendor: Intel Corporation
             physical id: 1b
             bus info: pci@0000:00:1b.0
             version: 06
             width: 64 bits
             clock: 33MHz
             capabilities: pm msi pciexpress bus_master cap_list
```

```
             configuration: driver=HDA Intel latency=0
             resources: irq:22 memory:d5200000-d5203fff
        *-pci:1
             description: PCI bridge
             product: 5 Series/3400 Series Chipset PCI Express Root Port 1
             vendor: Intel Corporation
             physical id: 1c
             bus info: pci@0000:00:1c.0
             version: 06
             width: 32 bits
             clock: 33MHz
             capabilities: pci pciexpress msi pm bus_master cap_list
             configuration: driver=pcieport
             resources: irq:30 ioport:c000(size=4096) memory:d3e00000-
d51fffff memory:d5300000-d54fffff(prefetchable)
        *-pci:2
             description: PCI bridge
             product: 5 Series/3400 Series Chipset PCI Express Root Port 2
             vendor: Intel Corporation
             physical id: 1c.1
             bus info: pci@0000:00:1c.1
             version: 06
             width: 32 bits
             clock: 33MHz
             capabilities: pci pciexpress msi pm bus_master cap_list
             configuration: driver=pcieport
             resources: irq:31 ioport:b000(size=4096) memory:d2a00000-
d3dfffff memory:d5500000-d56fffff(prefetchable)
           *-network
                description: Wireless interface
                product: AR9285 Wireless Network Adapter (PCI-Express)
                vendor: Atheros Communications Inc.
                physical id: 0
                bus info: pci@0000:03:00.0
                logical name: wlan0
                version: 01
                serial: 48:5d:60:95:f4:cf
                width: 64 bits
                clock: 33MHz
                capabilities: pm msi pciexpress bus_master cap_list ethernet
physical wireless
                configuration: broadcast=yes driver=ath9k latency=0
multicast=yes wireless=IEEE 802.11bgn
                resources: irq:17 memory:d2a00000-d2a0ffff
        *-pci:3
             description: PCI bridge
             product: 5 Series/3400 Series Chipset PCI Express Root Port 3
             vendor: Intel Corporation
             physical id: 1c.2
             bus info: pci@0000:00:1c.2
             version: 06
```

```
             width: 32 bits
             clock: 33MHz
             capabilities: pci pciexpress msi pm bus_master cap_list
             configuration: driver=pcieport
             resources: irq:32 ioport:a000(size=4096) memory:d1600000-
d29fffff memory:d5700000-d58fffff(prefetchable)
        *-pci:4
             description: PCI bridge
             product: 5 Series/3400 Series Chipset PCI Express Root Port 6
             vendor: Intel Corporation
             physical id: 1c.5
             bus info: pci@0000:00:1c.5
             version: 06
             width: 32 bits
             clock: 33MHz
             capabilities: pci pciexpress msi pm bus_master cap_list
             configuration: driver=pcieport
             resources: irq:33 ioport:9000(size=4096) memory:d0200000-
d15fffff memory:d5900000-d5afffff(prefetchable)
           *-generic:0
                description: System peripheral
                product: SD/MMC Host Controller
                vendor: JMicron Technology Corp.
                physical id: 0
                bus info: pci@0000:05:00.0
                version: 80
                width: 32 bits
                clock: 33MHz
                capabilities: pm pciexpress msi bus_master cap_list
                configuration: driver=sdhci-pci latency=0
                resources: irq:18 memory:d0207000-d02070ff
           *-generic:1 UNCLAIMED
                description: SD Host controller
                product: Standard SD Host Controller
                vendor: JMicron Technology Corp.
                physical id: 0.2
                bus info: pci@0000:05:00.2
                version: 80
                width: 32 bits
                clock: 33MHz
                capabilities: pm pciexpress msi cap_list
                configuration: latency=0
                resources: memory:d0206000-d02060ff
           *-generic:2
                description: System peripheral
                product: MS Host Controller
                vendor: JMicron Technology Corp.
                physical id: 0.3
                bus info: pci@0000:05:00.3
                version: 80
```

```
               width: 32 bits
               clock: 33MHz
               capabilities: pm pciexpress msi bus_master cap_list
               configuration: driver=jmb38x_ms latency=0
               resources: irq:18 memory:d0205000-d02050ff
          *-generic:3 UNCLAIMED
               description: System peripheral
               product: xD Host Controller
               vendor: JMicron Technology Corp.
               physical id: 0.4
               bus info: pci@0000:05:00.4
               version: 80
               width: 32 bits
               clock: 33MHz
               capabilities: pm pciexpress msi bus_master cap_list
               configuration: latency=0
               resources: memory:d0204000-d02040ff
          *-network
               description: Ethernet interface
               product: JMC250 PCI Express Gigabit Ethernet Controller
               vendor: JMicron Technology Corp.
               physical id: 0.5
               bus info: pci@0000:05:00.5
               logical name: eth0
               version: 03
               serial: 20:cf:30:d4:b5:1d
               size: 1GB/s
               capacity: 1GB/s
               width: 32 bits
               clock: 33MHz
               capabilities: pm pciexpress msix msi bus_master cap_list
ethernet physical tp mii 10bt 10bt-fd 100bt 100bt-fd 1000bt 1000bt-fd
autonegotiation
               configuration: autonegotiation=on broadcast=yes driver=jme
driverversion=1.0.5 duplex=full ip=192.168.0.96 latency=0 link=yes
multicast=yes port=MII speed=1GB/s
               resources: irq:35 memory:d0200000-d0203fff
ioport:9100(size=128) ioport:9000(size=256)
        *-usb:1
             description: USB Controller
             product: 5 Series/3400 Series Chipset USB2 Enhanced Host
Controller
             vendor: Intel Corporation
             physical id: 1d
             bus info: pci@0000:00:1d.0
             version: 06
             width: 32 bits
             clock: 33MHz
             capabilities: pm debug bus_master cap_list
             configuration: driver=ehci_hcd latency=0
             resources: irq:23 memory:d5207000-d52073ff
```

```
        *-pci:5
             description: PCI bridge
             product: 82801 Mobile PCI Bridge
             vendor: Intel Corporation
             physical id: 1e
             bus info: pci@0000:00:1e.0
             version: a6
             width: 32 bits
             clock: 33MHz
             capabilities: pci bus_master cap_list
        *-isa
             description: ISA bridge
             product: Mobile 5 Series Chipset LPC Interface Controller
             vendor: Intel Corporation
             physical id: 1f
             bus info: pci@0000:00:1f.0
             version: 06
             width: 32 bits
             clock: 33MHz
             capabilities: isa bus_master cap_list
             configuration: latency=0
        *-storage
             description: SATA controller
             product: 5 Series/3400 Series Chipset 4 port SATA AHCI
Controller
             vendor: Intel Corporation
             physical id: 1f.2
             bus info: pci@0000:00:1f.2
             logical name: scsi0
             logical name: scsi1
             version: 06
             width: 32 bits
             clock: 66MHz
             capabilities: storage msi pm bus_master cap_list emulated
             configuration: driver=ahci latency=0
             resources: irq:34 ioport:e070(size=8) ioport:e060(size=4)
ioport:e050(size=8) ioport:e040(size=4) ioport:e020(size=32)
memory:d5206000-d52067ff
           *-disk
                description: ATA Disk
                product: ST9320325AS
                vendor: Seagate
                physical id: 0
                bus info: scsi@0:0.0.0
                logical name: /dev/sda
                version: 0003
                serial: 6VD878NM
                size: 298GiB (320GB)
                capabilities: partitioned partitioned:dos
                configuration: ansiversion=5 signature=1b72bb33
```

```
               *-volume:0
                    description: Windows FAT volume
                    vendor: MSDOS5.0
                    physical id: 1
                    bus info: scsi@0:0.0.0,1
                    logical name: /dev/sda1
                    version: FAT32
                    serial: f405-de9c
                    size: 19GiB
                    capacity: 19GiB
                    capabilities: primary hidden fat initialized
                    configuration: FATs=2 filesystem=fat
               *-volume:1
                    description: Windows NTFS volume
                    physical id: 2
                    bus info: scsi@0:0.0.0,2
                    logical name: /dev/sda2
                    version: 3.1
                    serial: e60fd7ee-83b8-cb4f-bfb3-9f9d1d02b6cf
                    size: 74GiB
                    capacity: 74GiB
                    capabilities: primary bootable ntfs initialized
                    configuration: clustersize=4096 created=2010-11-22
08:50:53 filesystem=ntfs label=OS state=clean
               *-volume:2
                    description: EXT4 volume
                    vendor: Linux
                    physical id: 3
                    bus info: scsi@0:0.0.0,3
                    logical name: /dev/sda3
                    logical name: /
                    version: 1.0
                    serial: a999756a-8805-4c8e-94a6-4af2fa1e4285
                    size: 18GiB
                    capacity: 18GiB
                    capabilities: primary journaled extended_attributes
large_files huge_files dir_nlink recover extents ext4 ext2 initialized
                    configuration: created=2011-01-04 18:45:00
filesystem=ext4 lastmountpoint=/ZOWd���(%��e�p~�¦0��d~��N!�������~□~��]
modified=2011-01-04 19:31:42 mount.fstype=ext4
mount.options=rw,relatime,errors=remount-ro,barrier=1,data=ordered
mounted=2011-01-04 19:32:35 state=mounted
               *-volume:3
                    description: Extended partition
                    physical id: 4
                    bus info: scsi@0:0.0.0,4
                    logical name: /dev/sda4
                    size: 185GiB
                    capacity: 185GiB
                    capabilities: primary extended partitioned
partitioned:extended
```

```
                *-logicalvolume:0
                     description: Linux swap / Solaris partition
                     physical id: 5
                     logical name: /dev/sda5
                     capacity: 3814MiB
                     capabilities: nofs
                *-logicalvolume:1
                     description: Linux filesystem partition
                     physical id: 6
                     logical name: /dev/sda6
                     logical name: /home
                     capacity: 181GiB
                     configuration: mount.fstype=ext4
mount.options=rw,relatime,barrier=1,data=ordered state=mounted
           *-cdrom
                description: DVD-RAM writer
                product: DVD A  DS8A5SH
                vendor: Slimtype
                physical id: 1
                bus info: scsi@1:0.0.0
                logical name: /dev/cdrom
                logical name: /dev/cdrw
                logical name: /dev/dvd
                logical name: /dev/dvdrw
                logical name: /dev/scd0
                logical name: /dev/sr0
                version: XAA2
                capabilities: removable audio cd-r cd-rw dvd dvd-r dvd-ram
                configuration: ansiversion=5 status=nodisc
        *-serial UNCLAIMED
             description: SMBus
             product: 5 Series/3400 Series Chipset SMBus Controller
             vendor: Intel Corporation
             physical id: 1f.3
             bus info: pci@0000:00:1f.3
             version: 06
             width: 64 bits
             clock: 33MHz
             configuration: latency=0
             resources: memory:d5205000-d52050ff ioport:e000(size=32)
        *-generic UNCLAIMED
             description: Signal processing controller
             product: 5 Series/3400 Series Chipset Thermal Subsystem
             vendor: Intel Corporation
             physical id: 1f.6
             bus info: pci@0000:00:1f.6
             version: 06
             width: 64 bits
             clock: 33MHz
             capabilities: pm msi bus_master cap_list
```

```
             configuration: latency=0
             resources: memory:d5204000-d5204fff
     *-pci:1
          description: Host bridge
          product: Core Processor QuickPath Architecture Generic Non-core
Registers
          vendor: Intel Corporation
          physical id: 101
          bus info: pci@0000:ff:00.0
          version: 05
          width: 32 bits
          clock: 33MHz
     *-pci:2
          description: Host bridge
          product: Core Processor QuickPath Architecture System Address
Decoder
          vendor: Intel Corporation
          physical id: 102
          bus info: pci@0000:ff:00.1
          version: 05
          width: 32 bits
          clock: 33MHz
     *-pci:3
          description: Host bridge
          product: Core Processor QPI Link 0
          vendor: Intel Corporation
          physical id: 103
          bus info: pci@0000:ff:02.0
          version: 05
          width: 32 bits
          clock: 33MHz
     *-pci:4
          description: Host bridge
          product: Core Processor QPI Physical 0
          vendor: Intel Corporation
          physical id: 104
          bus info: pci@0000:ff:02.1
          version: 05
          width: 32 bits
          clock: 33MHz
     *-pci:5
          description: Host bridge
          product: Core Processor Reserved
          vendor: Intel Corporation
          physical id: 105
          bus info: pci@0000:ff:02.2
          version: 05
          width: 32 bits
          clock: 33MHz
     *-pci:6
          description: Host bridge
```

```
          product: Core Processor Reserved
          vendor: Intel Corporation
          physical id: 106
          bus info: pci@0000:ff:02.3
          version: 05
          width: 32 bits
          clock: 33MHz
```