

ASUS X5DAD SX004V

Probleme:

- eingebaute Webcam funktioniert, zeigt aber das Bild auf dem Kopf. In cheese ist ein Filter, der das korrigiert. Für Programme wie skype sind komplexe Schritte nötig.
- Scrollen mit dem Touchpad (auf der rechten Seite) ist nicht.

Die anderen Komponenten scheinen zu funktionieren. Hier die erkannte Hardware (lspci -vv, lsusb -vv und lshw - jeweils mit sudo aufgerufen):

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00:00.0 Host bridge: Advanced Micro Devices [AMD] RS780 Host Bridge
Subsystem: Advanced Micro Devices [AMD] RS780 Host Bridge
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: [c4] HyperTransport: Slave or Primary Interface
Command: BaseUnitID=0 UnitCnt=12 MastHost- DefDir- DUL-
Link Control 0: CFlE- CST- CFE- <LkFail- Init+ EOC- TX0- <CRCErr=0
IsocEn+ LSEn- ExtCTL- 64b-
Link Config 0: MLWI=16bit DwFcIn- MLW0=16bit DwFcOut- LWI=16bit
DwFcInEn- LW0=16bit DwFcOutEn-
Link Control 1: CFlE- CST- CFE- <LkFail+ Init- EOC+ TX0+ <CRCErr=0
IsocEn- LSEn- ExtCTL- 64b-
Link Config 1: MLWI=8bit DwFcIn- MLW0=8bit DwFcOut- LWI=8bit
DwFcInEn- LW0=8bit DwFcOutEn-
Revision ID: 3.00
Link Frequency 0: 1.6GHz
Link Error 0: <Prot- <Ovfl- <EOC- CTLTm-
Link Frequency Capability 0: 200MHz+ 300MHz- 400MHz+ 500MHz- 600MHz+
800MHz+ 1.0GHz+ 1.2GHz- 1.4GHz- 1.6GHz- Vend-
Feature Capability: IsocFC- LDTSTOP+ CRCTM- ECTLT- 64bA- UIDRD-
Link Frequency 1: 200MHz
Link Error 1: <Prot- <Ovfl- <EOC- CTLTm-
Link Frequency Capability 1: 200MHz- 300MHz- 400MHz- 500MHz- 600MHz-
800MHz- 1.0GHz- 1.2GHz- 1.4GHz- 1.6GHz- Vend-
Error Handling: PFlE- OFlE- PFE- OFE- EOCFE- RFE- CRCFE- SERRFE- CF-
RE- PNFE- ONFE- EOCNFE- RNFE- CRCNFE- SERRNFE-
Prefetchable memory behind bridge Upper: 00-00
Bus Number: 00
Capabilities: [54] HyperTransport: UnitID Clumping
Capabilities: [40] HyperTransport: Retry Mode
Capabilities: [9c] HyperTransport: #1a
Capabilities: [f8] HyperTransport: #1c

00:02.0 PCI bridge: Advanced Micro Devices [AMD] RS780 PCI to PCI bridge
(ext gfx port 0)
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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: fbd00000-fbdfffff
Prefetchable memory behind bridge: 00000000d0000000-00000000dfffffff
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: [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) 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 #0, Speed 5GT/s, Width x16, ASPM L0s L1, Latency L0
<64ns, L1 <1us
ClockPM- Surprise- LLActRep+ BwNot+
LnkCtl: ASPM L1 Enabled; RCB 64 bytes Disabled- Retrain- CommClk+
ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-
LnkSta: Speed 2.5GT/s, Width x8, TrErr- Train- SlotClk+ DLActive+
BWMgmt+ ABWMgmt-
SltCap: AttnBtn- PwrCtrl- MRL- AttnInd- PwrInd- HotPlug- Surprise-
Slot # 2, 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: [a0] Message Signalled Interrupts: Mask- 64bit- Queue=0/0
Enable+
Address: fee0300c Data: 4161
Capabilities: [b0] Subsystem: Advanced Micro Devices [AMD] Device 9600
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Capabilities: [b8] HyperTransport: MSI Mapping Enable+ Fixed+
Capabilities: [100] Vendor Specific Information <?>
Capabilities: [110] Virtual Channel <?>
Kernel driver in use: pcieport
Kernel modules: shpchp

00:05.0 PCI bridge: Advanced Micro Devices [AMD] RS780 PCI to PCI bridge (PCIe port 1)

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: 0000e000-0000efff

Memory behind bridge: fbe00000-fbefffff

Prefetchable memory behind bridge: 00000000faf00000-00000000faffffff

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: [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) 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 5GT/s, Width x1, ASPM L0s L1, Latency L0 <64ns, L1 <1us

ClockPM- Surprise- 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- Surprise- Slot # 5, PowerLimit 25.000000; 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-

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CRSVisible-
  RootCap: CRSVisible-
  RootSta: PME ReqID 0000, PMEStatus- PMEPending-
  Capabilities: [a0] Message Signalled Interrupts: Mask- 64bit- Queue=0/0
Enable+
  Address: fee0300c Data: 4169
  Capabilities: [b0] Subsystem: Advanced Micro Devices [AMD] Device 9600
  Capabilities: [b8] HyperTransport: MSI Mapping Enable+ Fixed+
  Capabilities: [100] Vendor Specific Information <?>
  Capabilities: [110] Virtual Channel <?>
  Kernel driver in use: pcieport
  Kernel modules: shpchp

00:06.0 PCI bridge: Advanced Micro Devices [AMD] RS780 PCI to PCI bridge
(PCIE port 2)
  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
  Memory behind bridge: fbf00000-fbffffff
  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: [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) 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 5GT/s, Width x1, ASPM L0s L1, Latency L0
<64ns, L1 <1us
  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- Surprise-
  Slot # 6, PowerLimit 25.000000; Interlock- NoCompl+
  SltCtl: Enable: AttnBtn- PwrFlt- MRL- PresDet- CmdCplt- HPIrq-
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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: [a0] Message Signalled Interrupts: Mask- 64bit- Queue=0/0
Enable+
Address: fee0300c Data: 4171
Capabilities: [b0] Subsystem: Advanced Micro Devices [AMD] Device 9600
Capabilities: [b8] HyperTransport: MSI Mapping Enable+ Fixed+
Capabilities: [100] Vendor Specific Information <?>
Capabilities: [110] Virtual Channel <?>
Kernel driver in use: pcieport
Kernel modules: shpchp

00:11.0 SATA controller: ATI Technologies Inc SB700/SB800 SATA Controller [AHCI mode] (prog-if 01)

Subsystem: ASUSTeK Computer Inc. Device 1117
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: 64, Cache Line Size: 64 bytes
Interrupt: pin A routed to IRQ 22
Region 0: I/O ports at c000 [size=8]
Region 1: I/O ports at b000 [size=4]
Region 2: I/O ports at a000 [size=8]
Region 3: I/O ports at 9000 [size=4]
Region 4: I/O ports at 8000 [size=16]
Region 5: Memory at fbcff800 (32-bit, non-prefetchable) [size=1K]
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: [70] SATA HBA <?>
Kernel driver in use: ahci
Kernel modules: ahci

00:12.0 USB Controller: ATI Technologies Inc SB700/SB800 USB OHCI0 Controller (prog-if 10)

Subsystem: ASUSTeK Computer Inc. Device 1d57
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: 64, Cache Line Size: 64 bytes
Interrupt: pin A routed to IRQ 16

Region 0: Memory at fbcfe000 (32-bit, non-prefetchable) [size=4K]
Kernel driver in use: ohci_hcd

00:12.1 USB Controller: ATI Technologies Inc SB700 USB OHCI1 Controller
(prog-if 10)

Subsystem: ASUSTeK Computer Inc. Device 1d57

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: 64, Cache Line Size: 64 bytes

Interrupt: pin A routed to IRQ 16

Region 0: Memory at fbcfd000 (32-bit, non-prefetchable) [size=4K]
Kernel driver in use: ohci_hcd

00:12.2 USB Controller: ATI Technologies Inc SB700/SB800 USB EHCI Controller
(prog-if 20)

Subsystem: ASUSTeK Computer Inc. Device 1d57

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: 64, Cache Line Size: 64 bytes

Interrupt: pin B routed to IRQ 17

Region 0: Memory at fbcff000 (32-bit, non-prefetchable) [size=256]

Capabilities: [c0] 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-

Bridge: PM- B3+

Capabilities: [e4] Debug port: BAR=1 offset=00e0

Kernel driver in use: ehci_hcd

00:13.0 USB Controller: ATI Technologies Inc SB700/SB800 USB OHCI0
Controller (prog-if 10)

Subsystem: ASUSTeK Computer Inc. Device 1d57

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: 64, Cache Line Size: 64 bytes

Interrupt: pin A routed to IRQ 18

Region 0: Memory at fbcfc000 (32-bit, non-prefetchable) [size=4K]
Kernel driver in use: ohci_hcd

00:13.2 USB Controller: ATI Technologies Inc SB700/SB800 USB EHCI Controller
(prog-if 20)

Subsystem: ASUSTeK Computer Inc. Device 1d57

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

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Status: Cap+ 66MHz+ UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
<TAbort- <MAbort- >SERR- <PERR- INTx-
Latency: 64, Cache Line Size: 64 bytes
Interrupt: pin B routed to IRQ 19
Region 0: Memory at fbcfb800 (32-bit, non-prefetchable) [size=256]
Capabilities: [c0] 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-
Bridge: PM- B3+
Capabilities: [e4] Debug port: BAR=1 offset=00e0
Kernel driver in use: ehci_hcd

00:14.0 SMBus: ATI Technologies Inc SBx00 SMBus Controller (rev 3a)
Subsystem: ASUSTeK Computer Inc. Device 1d57
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-
Capabilities: [b0] HyperTransport: MSI Mapping Enable- Fixed+
Kernel modules: i2c-piix4

00:14.2 Audio device: ATI Technologies Inc SBx00 Azalia (Intel HDA)
Subsystem: ASUSTeK Computer Inc. Device 1523
Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR- FastB2B- DisINTx-
Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=slow >TAbort- <TAbort-
<MAbort- >SERR- <PERR- INTx-
Latency: 64, Cache Line Size: 64 bytes
Interrupt: pin ? routed to IRQ 16
Region 0: Memory at fbcf4000 (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-
Kernel driver in use: HDA Intel
Kernel modules: snd-hda-intel

00:14.3 ISA bridge: ATI Technologies Inc SB700/SB800 LPC host controller
Subsystem: ASUSTeK Computer Inc. Device 1d57
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

00:14.4 PCI bridge: ATI Technologies Inc SBx00 PCI to PCI Bridge (prog-if
01)
Control: I/O+ Mem- BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr-
Stepping- SERR+ FastB2B- DisINTx-
Status: Cap- 66MHz+ UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
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<TAbort- <MAbort- >SERR- <PERR- INTx-
  Latency: 64
  Bus: primary=00, secondary=04, subordinate=04, sec-latency=64
  Secondary status: 66MHz- FastB2B+ ParErr- DEVSEL=medium >TAbort-
<TAbort- <MAbort+ <SERR- <PERR-
  BridgeCtl: Parity+ SERR+ NoISA- VGA- MAbort- >Reset- FastB2B-
    PriDiscTmr- SecDiscTmr- DiscTmrStat- DiscTmrSERREN-

00:14.5 USB Controller: ATI Technologies Inc SB700/SB800 USB OHCI2
Controller (prog-if 10)
  Subsystem: ASUSTeK Computer Inc. Device 1d57
  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: 64, Cache Line Size: 64 bytes
  Interrupt: pin C routed to IRQ 18
  Region 0: Memory at fbcfa000 (32-bit, non-prefetchable) [size=4K]
  Kernel driver in use: ohci_hcd

00:18.0 Host bridge: Advanced Micro Devices [AMD] K10 [Opteron, Athlon64,
Sempron] HyperTransport Configuration
  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-
  Capabilities: [80] HyperTransport: Host or Secondary Interface
    Command: WarmRst+ DblEnd- DevNum=0 ChainSide- HostHide+ Slave-
<EOCErr- DUL-
  Link Control: CFlE- CST- CFE- <LkFail- Init+ EOC- TX0- <CRCErr=0
IsocEn+ LSEn+ ExtCTL- 64b-
  Link Config: MLWI=16bit DwFcIn- MLW0=16bit DwFcOut- LWI=16bit
DwFcInEn- LW0=16bit DwFcOutEn-
  Revision ID: 3.00
  Link Frequency: 1.6GHz
  Link Error: <Prot- <0vfl- <EOC- CTLTm-
  Link Frequency Capability: 200MHz+ 300MHz- 400MHz+ 500MHz- 600MHz+
800MHz+ 1.0GHz+ 1.2GHz+ 1.4GHz- 1.6GHz- Vend-
  Feature Capability: IsocFC+ LDTSTOP+ CRCTM- ECTLT- 64bA+ UIDRD-
ExtRS- UCnFE-

00:18.1 Host bridge: Advanced Micro Devices [AMD] K10 [Opteron, Athlon64,
Sempron] Address Map
  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-

00:18.2 Host bridge: Advanced Micro Devices [AMD] K10 [Opteron, Athlon64,
Sempron] DRAM Controller
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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-

00:18.3 Host bridge: Advanced Micro Devices [AMD] K10 [Opteron, Athlon64, Sempron] Miscellaneous Control

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-

Capabilities: [f0] Secure device <?>

00:18.4 Host bridge: Advanced Micro Devices [AMD] K10 [Opteron, Athlon64, Sempron] Link Control

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-

01:00.0 VGA compatible controller: ATI Technologies Inc M92 [Mobility Radeon HD 4500 Series]

Subsystem: ASUSTeK Computer Inc. Device 1b42

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 29

Region 0: Memory at d0000000 (32-bit, prefetchable) [size=256M]

Region 1: I/O ports at d000 [size=256]

Region 2: Memory at fbdf0000 (32-bit, non-prefetchable) [size=64K]

Expansion ROM at fbdc0000 [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 128 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 128 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- Surprise- LLActRep- BwNot-

LnkCtl: ASPM L1 Enabled; RCB 64 bytes Disabled- Retrain- CommClk+

```
ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-
LnkSta: Speed 2.5GT/s, Width x8, TrErr- Train- SlotClk+ DLActive-
BWMgmt- ABWMgmt-
Capabilities: [a0] Message Signalled Interrupts: Mask- 64bit+ Queue=0/0
Enable+
Address: 00000000fee0300c Data: 4199
Capabilities: [100] Vendor Specific Information <?>
Kernel driver in use: fglrx_pci
Kernel modules: fglrx, radeon

02:00.0 Ethernet controller: Realtek Semiconductor Co., Ltd. RTL8111/8168B
PCI Express Gigabit Ethernet controller (rev 03)
Subsystem: ASUSTeK Computer Inc. Device 16d5
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 28
Region 0: I/O ports at e800 [size=256]
Region 2: Memory at fafff000 (64-bit, prefetchable) [size=4K]
Region 4: Memory at faff8000 (64-bit, prefetchable) [size=16K]
Expansion ROM at fbef0000 [disabled] [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: 00000000fee0300c Data: 4189
Capabilities: [70] Express (v2) Endpoint, MSI 01
DevCap: MaxPayload 256 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 4096 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: [ac] MSI-X: Enable- Mask- TabSize=4
Vector table: BAR=4 offset=00000000
PBA: BAR=4 offset=00000800
```

```
Capabilities: [cc] Vital Product Data <?>
Capabilities: [100] Advanced Error Reporting <?>
Capabilities: [140] Virtual Channel <?>
Capabilities: [160] Device Serial Number 00-e0-4c-68-12-34-56-78
Kernel driver in use: r8169
Kernel modules: r8169
```

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 18

Region 0: Memory at fbff0000 (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- Surprise- 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: [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

Bus 006 Device 001: ID 1d6b:0001 Linux Foundation 1.1 root hub
Device Descriptor:

```
bLength          18
bDescriptorType   1
bcdUSB           1.10
bDeviceClass      9 Hub
bDeviceSubClass   0 Unused
bDeviceProtocol   0 Full speed (or root) hub
bMaxPacketSize0   64
idVendor          0x1d6b Linux Foundation
idProduct         0x0001 1.1 root hub
bcdDevice         2.06
iManufacturer     3 Linux 2.6.32-24-generic-pae ohci_hcd
iProduct          2 OHCI Host Controller
iSerial           1 0000:00:14.5
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        255
  Hub Descriptor:
    bLength          9
    bDescriptorType  41
    nNbrPorts        2
    wHubCharacteristic 0x0012
```

```
No power switching (usb 1.0)
No overcurrent protection
bPwrOn2PwrGood      2 * 2 milli seconds
bHubContrCurrent     0 milli Ampere
DeviceRemovable      0x00
PortPwrCtrlMask      0xff
Hub Port Status:
  Port 1: 0000.0100 power
  Port 2: 0000.0100 power
Device Status:       0x0003
  Self Powered
  Remote Wakeup Enabled

Bus 005 Device 001: ID 1d6b:0001 Linux Foundation 1.1 root hub
Device Descriptor:
  bLength                18
  bDescriptorType         1
  bcdUSB                  1.10
  bDeviceClass             9 Hub
  bDeviceSubClass          0 Unused
  bDeviceProtocol          0 Full speed (or root) hub
  bMaxPacketSize0          64
  idVendor                 0x1d6b Linux Foundation
  idProduct               0x0001 1.1 root hub
  bcdDevice                2.06
  iManufacturer           3 Linux 2.6.32-24-generic-pae ohci_hcd
  iProduct                2 OHCI Host Controller
  iSerial                 1 0000:00:13.0
  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	255	

Hub Descriptor:

bLength	9
bDescriptorType	41
nNbrPorts	3
wHubCharacteristic	0x0012
No power switching (usb 1.0)	
No overcurrent protection	
bPwrOn2PwrGood	2 * 2 milli seconds
bHubContrCurrent	0 milli Ampere
DeviceRemovable	0x00
PortPwrCtrlMask	0xff

Hub Port Status:

Port 1: 0000.0100 power
Port 2: 0000.0100 power
Port 3: 0000.0100 power

Device Status: 0x0003

Self Powered
Remote Wakeup Enabled

Bus 004 Device 001: ID 1d6b:0001 Linux Foundation 1.1 root hub

Device Descriptor:

bLength	18
bDescriptorType	1
bcdUSB	1.10
bDeviceClass	9 Hub
bDeviceSubClass	0 Unused
bDeviceProtocol	0 Full speed (or root) hub
bMaxPacketSize0	64
idVendor	0x1d6b Linux Foundation
idProduct	0x0001 1.1 root hub
bcdDevice	2.06
iManufacturer	3 Linux 2.6.32-24-generic-pae ohci_hcd
iProduct	2 OHCI Host Controller
iSerial	1 0000:00:12.1
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              255
Hub Descriptor:
  bLength                9
  bDescriptorType        41
  nNbrPorts              3
  wHubCharacteristic     0x0012
    No power switching (usb 1.0)
    No overcurrent protection
  bPwrOn2PwrGood         2 * 2 milli seconds
  bHubContrCurrent       0 milli Ampere
  DeviceRemovable        0x00
  PortPwrCtrlMask        0xff
Hub Port Status:
  Port 1: 0000.0100 power
  Port 2: 0000.0100 power
  Port 3: 0000.0100 power
Device Status:          0x0003
  Self Powered
  Remote Wakeup Enabled

Bus 003 Device 001: ID 1d6b:0001 Linux Foundation 1.1 root hub
Device Descriptor:
  bLength                18
  bDescriptorType        1
  bcdUSB                 1.10
  bDeviceClass           9 Hub
  bDeviceSubClass        0 Unused
```

```
bDeviceProtocol      0 Full speed (or root) hub
bMaxPacketSize0      64
idVendor             0x1d6b Linux Foundation
idProduct            0x0001 1.1 root hub
bcdDevice            2.06
iManufacturer        3 Linux 2.6.32-24-generic-pae ohci_hcd
iProduct             2 OHCI Host Controller
iSerial              1 0000:00:12.0
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         255
  Hub Descriptor:
    bLength            9
    bDescriptorType     41
    nNbrPorts          3
    wHubCharacteristic 0x0012
      No power switching (usb 1.0)
      No overcurrent protection
    bPwrOn2PwrGood      2 * 2 milli seconds
    bHubContrCurrent     0 milli Ampere
    DeviceRemovable     0x00
```



```
PortPwrCtrlMask      0xff
Hub Port Status:
  Port 1: 0000.0100 power
  Port 2: 0000.0100 power
  Port 3: 0000.0100 power
Device Status:       0x0003
  Self Powered
  Remote Wakeup Enabled

Bus 002 Device 002: ID 064e:a116 Suyin Corp.
Device Descriptor:
  bLength                18
  bDescriptorType         1
  bcdUSB                  2.00
  bDeviceClass            239 Miscellaneous Device
  bDeviceSubClass         2 ?
  bDeviceProtocol         1 Interface Association
  bMaxPacketSize0         64
  idVendor                0x064e Suyin Corp.
  idProduct               0xa116
  bcdDevice               3.24
  iManufacturer          2 SuYin
  iProduct                1 USB2.0 UVC 1.3M WebCam
  iSerial                 3 CN1316-S30B-MI033-VS-R03.02.04
  bNumConfigurations      1
Configuration Descriptor:
  bLength                 9
  bDescriptorType         2
  wTotalLength            599
  bNumInterfaces          2
  bConfigurationValue     1
  iConfiguration          0
  bmAttributes            0x80
    (Bus Powered)
  MaxPower                168mA
Interface Association:
  bLength                 8
  bDescriptorType        11
  bFirstInterface         0
  bInterfaceCount         2
  bFunctionClass          14 Video
  bFunctionSubClass       3 Video Interface Collection
  bFunctionProtocol       0
  iFunction                5 USB2.0 UVC 1.3M WebCam
Interface Descriptor:
  bLength                 9
  bDescriptorType         4
  bInterfaceNumber        0
  bAlternateSetting       0
  bNumEndpoints           1
  bInterfaceClass         14 Video
```

```
bInterfaceSubClass      1 Video Control
bInterfaceProtocol      0
iInterface              5 USB2.0 UVC 1.3M WebCam
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)         0x0f
  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	353
bEndPointAddress	129
bmInfo	0
bTerminalLink	2
bStillCaptureMethod	2
bTriggerSupport	0
bTriggerUsage	0
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	50
bDescriptorType	36
bDescriptorSubtype	5 (FRAME_UNCOMPRESSED)
bFrameIndex	1
bmCapabilities	0x00
Still image unsupported	
wWidth	640
wHeight	480
dwMinBitRate	3072000
dwMaxBitRate	18432000
dwMaxVideoFrameBufferSize	614400
dwDefaultFrameInterval	333333
bFrameIntervalType	6
dwFrameInterval(0)	333333
dwFrameInterval(1)	400000
dwFrameInterval(2)	500000
dwFrameInterval(3)	666666

```
dwFrameInterval( 4)          1000000
dwFrameInterval( 5)          2000000
VideoStreaming Interface Descriptor:
  bLength                      50
  bDescriptorType              36
  bDescriptorSubtype           5 (FRAME_UNCOMPRESSED)
  bFrameIndex                  2
  bmCapabilities                0x00
    Still image unsupported
  wWidth                       352
  wHeight                      288
  dwMinBitRate                 1013760
  dwMaxBitRate                 6082560
  dwMaxVideoFrameBufferSize    202752
  dwDefaultFrameInterval       333333
  bFrameIntervalType           6
  dwFrameInterval( 0)         333333
  dwFrameInterval( 1)         400000
  dwFrameInterval( 2)         500000
  dwFrameInterval( 3)         666666
  dwFrameInterval( 4)         1000000
  dwFrameInterval( 5)         2000000
VideoStreaming Interface Descriptor:
  bLength                      50
  bDescriptorType              36
  bDescriptorSubtype           5 (FRAME_UNCOMPRESSED)
  bFrameIndex                  3
  bmCapabilities                0x00
    Still image unsupported
  wWidth                       320
  wHeight                      240
  dwMinBitRate                 768000
  dwMaxBitRate                 4608000
  dwMaxVideoFrameBufferSize    153600
  dwDefaultFrameInterval       333333
  bFrameIntervalType           6
  dwFrameInterval( 0)         333333
  dwFrameInterval( 1)         400000
  dwFrameInterval( 2)         500000
  dwFrameInterval( 3)         666666
  dwFrameInterval( 4)         1000000
  dwFrameInterval( 5)         2000000
VideoStreaming Interface Descriptor:
  bLength                      50
  bDescriptorType              36
  bDescriptorSubtype           5 (FRAME_UNCOMPRESSED)
  bFrameIndex                  4
  bmCapabilities                0x00
    Still image unsupported
  wWidth                       176
  wHeight                      144
```

```
dwMinBitRate          253440
dwMaxBitRate          1520640
dwMaxVideoFrameBufferSize  50688
dwDefaultFrameInterval 333333
bFrameIntervalType     6
dwFrameInterval( 0)    333333
dwFrameInterval( 1)    400000
dwFrameInterval( 2)    500000
dwFrameInterval( 3)    666666
dwFrameInterval( 4)    1000000
dwFrameInterval( 5)    2000000
VideoStreaming Interface Descriptor:
  bLength              50
  bDescriptorType       36
  bDescriptorSubtype    5 (FRAME_UNCOMPRESSED)
  bFrameIndex           5
  bmCapabilities        0x00
    Still image unsupported
  wWidth                160
  wHeight               120
  dwMinBitRate          192000
  dwMaxBitRate          1152000
  dwMaxVideoFrameBufferSize  38400
  dwDefaultFrameInterval 333333
  bFrameIntervalType     6
  dwFrameInterval( 0)    333333
  dwFrameInterval( 1)    400000
  dwFrameInterval( 2)    500000
  dwFrameInterval( 3)    666666
  dwFrameInterval( 4)    1000000
  dwFrameInterval( 5)    2000000
VideoStreaming Interface Descriptor:
  bLength              30
  bDescriptorType       36
  bDescriptorSubtype    5 (FRAME_UNCOMPRESSED)
  bFrameIndex           6
  bmCapabilities        0x00
    Still image unsupported
  wWidth                1280
  wHeight               1024
  dwMinBitRate          23592960
  dwMaxBitRate          23592960
  dwMaxVideoFrameBufferSize  2621440
  dwDefaultFrameInterval 1111111
  bFrameIntervalType     1
  dwFrameInterval( 0)    1111111
VideoStreaming Interface Descriptor:
  bLength              26
  bDescriptorType       36
  bDescriptorSubtype    3 (STILL_IMAGE_FRAME)
```

```

    bEndpointAddress          0
    bNumImageSizePatterns     5
    wWidth( 0)                640
    wHeight( 0)               480
    wWidth( 1)                352
    wHeight( 1)               288
    wWidth( 2)                320
    wHeight( 2)               240
    wWidth( 3)                176
    wHeight( 3)               144
    wWidth( 4)                160
    wHeight( 4)               120
    bNumCompressionPatterns   5
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 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 2.6.32-24-generic-pae ehci_hcd
iProduct	2 EHCI Host Controller
iSerial	1 0000:00:13.2
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          6
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: 0000.0100 power
  Port 2: 0000.0100 power
  Port 3: 0000.0503 highspeed power enable connect
  Port 4: 0000.0100 power
  Port 5: 0000.0100 power
  Port 6: 0000.0100 power
Device Status:      0x0003
  Self Powered
  Remote Wakeup Enabled

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 2.6.32-24-generic-pae ehci_hcd
  iProduct               2 EHCI Host Controller
  iSerial                1 0000:00:12.2
  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              6
  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: 0000.0100 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
Device Status: 0x0003
  Self Powered
  Remote Wakeup Enabled
dirk-laptop
  description: Notebook
  product: K50AD
  vendor: ASUSTeK Computer INC.
  version: 1.0
  serial: 102941790147
  width: 32 bits
  capabilities: smbios-2.6 dmi-2.6 smp-1.4 smp
  configuration: boot=normal chassis=notebook cpus=2 uuid=672781DE-
DF25-182B-C800-E0CB4E2CCC23
*-core
  description: Motherboard
  product: K50AD
  vendor: ASUSTeK Computer INC.
```

```
physical id: 0
version: 1.00
serial: NB-0123456789
slot: To Be Filled By O.E.M.
*-firmware
  description: BIOS
  vendor: American Megatrends Inc.
  physical id: 0
  version: 209 (11/13/2009)
  size: 64KiB
  capacity: 960KiB
  capabilities: isa pci pcmcia pnp apm upgrade shadowing escd cdboot
bootselect socketedrom edd int13floppy1200 int13floppy720 int13floppy2880
int5printscreen int9keyboard int14serial int17printer int10video acpi usb
ls120boot zipboot biosbootspecification
*-cpu:0
  description: CPU
  product: AMD Athlon(tm) II Dual-Core M300
  vendor: Advanced Micro Devices [AMD]
  physical id: 4
  bus info: cpu@0
  version: 15.6.2
  serial: To Be Filled By O.E.M.
  slot: CPU 1
  size: 2GHz
  capacity: 2GHz
  width: 64 bits
  clock: 200MHz
  capabilities: boot fpu fpu_exception wp vme de pse tsc msr pae mce
cx8 apic sep mtrr pge mca cmov pat pse36 clflush mmx fxsr sse sse2 ht
syscall nx mmxext fxsr_opt pdpe1gb rdtscp x86-64 3dnowext 3dnow constant_tsc
nonstop_tsc extd_apicid pni monitor cx16 popcnt lahf_lm cmp_legacy svm
extapic cr8_legacy abm sse4a 3dnowprefetch osvw ibs skinit wdt cpufreq
*-cache:0
  description: L1 cache
  physical id: 5
  slot: L1-Cache
  size: 128KiB
  capacity: 256KiB
  capabilities: pipeline-burst internal varies data
*-cache:1
  description: L2 cache
  physical id: 6
  slot: L2-Cache
  size: 512KiB
  capacity: 1MiB
  capabilities: pipeline-burst internal varies unified
*-memory
  description: System Memory
  physical id: 25
  slot: System board or motherboard
```

```
size: 4GiB
*-bank:0
  description: DIMM DDR2 Synchronous 400 MHz (2.5 ns)
  product: B2YJ2SG4FN1
  vendor: Manufacturer00
  physical id: 0
  serial: 46000000
  slot: DIMM0
  size: 2GiB
  width: 64 bits
  clock: 400MHz (2.5ns)
*-bank:1
  description: DIMM DDR2 Synchronous 400 MHz (2.5 ns)
  product: B2YJ2SG4FN1
  vendor: Manufacturer01
  physical id: 1
  serial: C1010000
  slot: DIMM1
  size: 2GiB
  width: 64 bits
  clock: 400MHz (2.5ns)
*-cpu:1
  physical id: 1
  bus info: cpu@1
  version: 15.6.2
  size: 800MHz
  capacity: 800MHz
  capabilities: cpufreq
*-cache:0
  description: L1 cache
  physical id: 0
  size: 128KiB
*-cache:1
  description: L2 cache
  physical id: 1
  size: 512KiB
*-pci:0
  description: Host bridge
  product: RS780 Host Bridge
  vendor: Advanced Micro Devices [AMD]
  physical id: 100
  bus info: pci@0000:00:00.0
  version: 00
  width: 32 bits
  clock: 66MHz
*-pci:0
  description: PCI bridge
  product: RS780 PCI to PCI bridge (ext gfx port 0)
  vendor: Advanced Micro Devices [AMD]
  physical id: 2
```

```
bus info: pci@0000:00:02.0
version: 00
width: 32 bits
clock: 33MHz
capabilities: pci pm pciexpress msi ht bus_master cap_list
configuration: driver=pcieport
resources: irq:25 ioport:d000(size=4096) memory:fbd00000-
fbdffffff ioport:d0000000(size=268435456)
*-display
description: VGA compatible controller
product: M92 [Mobility Radeon HD 4500 Series]
vendor: ATI Technologies Inc
physical id: 0
bus info: pci@0000:01:00.0
version: 00
width: 32 bits
clock: 33MHz
capabilities: pm pciexpress msi bus_master cap_list rom
configuration: driver=fglrx_pci latency=0
resources: irq:29 memory:d0000000-dfffffff(prefetchable)
ioport:d000(size=256) memory:fbdf0000-fbdfffff memory:fbdc0000-
fbddffff(prefetchable)
*-pci:1
description: PCI bridge
product: RS780 PCI to PCI bridge (PCIe port 1)
vendor: Advanced Micro Devices [AMD]
physical id: 5
bus info: pci@0000:00:05.0
version: 00
width: 32 bits
clock: 33MHz
capabilities: pci pm pciexpress msi ht bus_master cap_list
configuration: driver=pcieport
resources: irq:26 ioport:e000(size=4096) memory:fbe00000-
fbeffffff ioport:faf00000(size=1048576)
*-network
description: Ethernet interface
product: RTL8111/8168B PCI Express Gigabit Ethernet
controller
vendor: Realtek Semiconductor Co., Ltd.
physical id: 0
bus info: pci@0000:02:00.0
logical name: eth0
version: 03
serial: e0:cb:4e:2c:cc:23
size: 10MB/s
capacity: 1GB/s
width: 64 bits
clock: 33MHz
capabilities: pm msi pciexpress msix vpd bus_master cap_list
rom ethernet physical tp mii 10bt 10bt-fd 100bt 100bt-fd 1000bt 1000bt-fd
```

autonegotiation

```
configuration: autonegotiation=off broadcast=yes
driver=r8169 driverversion=2.3LK-NAPI duplex=half latency=0 link=no
multicast=yes port=MII speed=10MB/s
resources: irq:28 ioport:e800(size=256) memory:fafff000-
faffffff(prefetchable) memory:faff8000-faffbfff(prefetchable)
memory:fbef0000-fbefffff(prefetchable)
*-pci:2
description: PCI bridge
product: RS780 PCI to PCI bridge (PCIe port 2)
vendor: Advanced Micro Devices [AMD]
physical id: 6
bus info: pci@0000:00:06.0
version: 00
width: 32 bits
clock: 33MHz
capabilities: pci pm pciexpress msi ht bus_master cap_list
configuration: driver=pcieport
resources: irq:27 memory:fbf00000-fbffffff
*-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: 00:25:d3:e2:02:14
width: 64 bits
clock: 33MHz
capabilities: pm msi pciexpress bus_master cap_list ethernet
physical wireless
configuration: broadcast=yes driver=ath9k ip=192.168.1.169
latency=0 multicast=yes wireless=IEEE 802.11bgn
resources: irq:18 memory:fbff0000-fbffffff
*-storage
description: SATA controller
product: SB700/SB800 SATA Controller [AHCI mode]
vendor: ATI Technologies Inc
physical id: 11
bus info: pci@0000:00:11.0
logical name: scsi0
logical name: scsi1
version: 00
width: 32 bits
clock: 66MHz
capabilities: storage pm bus_master cap_list emulated
configuration: driver=ahci latency=64
resources: irq:22 ioport:c000(size=8) ioport:b000(size=4)
ioport:a000(size=8) ioport:9000(size=4) ioport:8000(size=16)
```



```
memory:fbcff800-fbcffbff
  *-disk
    description: ATA Disk
    product: ST9320325AS
    vendor: Seagate
    physical id: 0
    bus info: scsi@0:0.0.0
    logical name: /dev/sda
    version: 0002
    serial: 6VE3R70K
    size: 298GiB (320GB)
    capabilities: partitioned partitioned:dos
    configuration: ansiversion=5 signature=76692ca8
  *-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: 3c98-ac5d
    size: 14GiB
    capacity: 14GiB
    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: e4a40482-6985-c247-bd1c-52540372c008
    size: 74GiB
    capacity: 74GiB
    capabilities: primary bootable ntfs initialized
    configuration: clustersize=4096 created=2009-12-02
06:29:06 filesystem=ntfs label=OS state=clean
  *-volume:2
    description: Extended partition
    physical id: 3
    bus info: scsi@0:0.0.0,3
    logical name: /dev/sda3
    size: 208GiB
    capacity: 208GiB
    capabilities: primary extended partitioned
partitioned:extended
  *-logicalvolume:0
    description: HPFS/NTFS partition
    physical id: 5
    logical name: /dev/sda5
    capacity: 104GiB
```

```
*-logicalvolume:1
  description: Linux filesystem partition
  physical id: 6
  logical name: /dev/sda6
  logical name: /
  capacity: 18GiB
  configuration: mount.fstype=ext4
mount.options=rw,relatime,errors=remount-ro,barrier=1,data=ordered
state=mounted

*-logicalvolume:2
  description: Linux swap / Solaris partition
  physical id: 7
  logical name: /dev/sda7
  capacity: 3814MiB
  capabilities: nofs

*-logicalvolume:3
  description: Linux filesystem partition
  physical id: 8
  logical name: /dev/sda8
  logical name: /home
  capacity: 81GiB
  configuration: mount.fstype=ext4
mount.options=rw,relatime,barrier=1,data=ordered state=mounted

*-cdrom
  description: DVD-RAM writer
  product: DVD A DS8A3S
  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: HA28
  capabilities: removable audio cd-r cd-rw dvd dvd-r dvd-ram
  configuration: ansiversion=5 status=nodisc

*-usb:0
  description: USB Controller
  product: SB700/SB800 USB OHCI0 Controller
  vendor: ATI Technologies Inc
  physical id: 12
  bus info: pci@0000:00:12.0
  version: 00
  width: 32 bits
  clock: 66MHz
  capabilities: bus_master
  configuration: driver=ohci_hcd latency=64
  resources: irq:16 memory:fbcfe000-fbcfefff
```

```
*-usb:1
  description: USB Controller
  product: SB700 USB OHCI1 Controller
  vendor: ATI Technologies Inc
  physical id: 12.1
  bus info: pci@0000:00:12.1
  version: 00
  width: 32 bits
  clock: 66MHz
  capabilities: bus_master
  configuration: driver=ohci_hcd latency=64
  resources: irq:16 memory:fbcfd000-fbcfdfff

*-usb:2
  description: USB Controller
  product: SB700/SB800 USB EHCI Controller
  vendor: ATI Technologies Inc
  physical id: 12.2
  bus info: pci@0000:00:12.2
  version: 00
  width: 32 bits
  clock: 66MHz
  capabilities: pm debug bus_master cap_list
  configuration: driver=ehci_hcd latency=64
  resources: irq:17 memory:fbcff000-fbcff0ff

*-usb:3
  description: USB Controller
  product: SB700/SB800 USB OHCI0 Controller
  vendor: ATI Technologies Inc
  physical id: 13
  bus info: pci@0000:00:13.0
  version: 00
  width: 32 bits
  clock: 66MHz
  capabilities: bus_master
  configuration: driver=ohci_hcd latency=64
  resources: irq:18 memory:fbcfc000-fbcfcfff

*-usb:4
  description: USB Controller
  product: SB700/SB800 USB EHCI Controller
  vendor: ATI Technologies Inc
  physical id: 13.2
  bus info: pci@0000:00:13.2
  version: 00
  width: 32 bits
  clock: 66MHz
  capabilities: pm debug bus_master cap_list
  configuration: driver=ehci_hcd latency=64
  resources: irq:19 memory:fbcfb800-fbcfb8ff

*-serial UNCLAIMED
  description: SMBus
  product: SBx00 SMBus Controller
```

```
    vendor: ATI Technologies Inc
    physical id: 14
    bus info: pci@0000:00:14.0
    version: 3a
    width: 32 bits
    clock: 66MHz
    capabilities: ht cap_list
    configuration: latency=0
*-multimedia
    description: Audio device
    product: SBx00 Azalia (Intel HDA)
    vendor: ATI Technologies Inc
    physical id: 14.2
    bus info: pci@0000:00:14.2
    version: 00
    width: 64 bits
    clock: 33MHz
    capabilities: pm bus_master cap_list
    configuration: driver=HDA Intel latency=64
    resources: irq:16 memory:fbcf4000-fbcf7fff
*-isa
    description: ISA bridge
    product: SB700/SB800 LPC host controller
    vendor: ATI Technologies Inc
    physical id: 14.3
    bus info: pci@0000:00:14.3
    version: 00
    width: 32 bits
    clock: 66MHz
    capabilities: isa bus_master
    configuration: latency=0
*-pci:3
    description: PCI bridge
    product: SBx00 PCI to PCI Bridge
    vendor: ATI Technologies Inc
    physical id: 14.4
    bus info: pci@0000:00:14.4
    version: 00
    width: 32 bits
    clock: 66MHz
    capabilities: pci bus_master
*-usb:5
    description: USB Controller
    product: SB700/SB800 USB OHCI2 Controller
    vendor: ATI Technologies Inc
    physical id: 14.5
    bus info: pci@0000:00:14.5
    version: 00
    width: 32 bits
    clock: 66MHz
```

```
capabilities: bus_master
configuration: driver=ohci_hcd latency=64
resources: irq:18 memory:fbcfa000-fbcfafff
*-pci:1
  description: Host bridge
  product: K10 [Opteron, Athlon64, Sempron] HyperTransport
Configuration
  vendor: Advanced Micro Devices [AMD]
  physical id: 101
  bus info: pci@0000:00:18.0
  version: 00
  width: 32 bits
  clock: 33MHz
*-pci:2
  description: Host bridge
  product: K10 [Opteron, Athlon64, Sempron] Address Map
  vendor: Advanced Micro Devices [AMD]
  physical id: 102
  bus info: pci@0000:00:18.1
  version: 00
  width: 32 bits
  clock: 33MHz
*-pci:3
  description: Host bridge
  product: K10 [Opteron, Athlon64, Sempron] DRAM Controller
  vendor: Advanced Micro Devices [AMD]
  physical id: 103
  bus info: pci@0000:00:18.2
  version: 00
  width: 32 bits
  clock: 33MHz
*-pci:4
  description: Host bridge
  product: K10 [Opteron, Athlon64, Sempron] Miscellaneous Control
  vendor: Advanced Micro Devices [AMD]
  physical id: 104
  bus info: pci@0000:00:18.3
  version: 00
  width: 32 bits
  clock: 33MHz
*-pci:5
  description: Host bridge
  product: K10 [Opteron, Athlon64, Sempron] Link Control
  vendor: Advanced Micro Devices [AMD]
  physical id: 105
  bus info: pci@0000:00:18.4
  version: 00
  width: 32 bits
  clock: 33MHz
```

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