

# HWiNFO64 v6.04-3720

**Creation Time** 20.04.2019 17:34

## DESKTOP-6JID7K5

---

### [Current Computer]

**Computer Name:** **DESKTOP-6JID7K5**

### [Operating System]

Operating System: Microsoft Windows 10 Professional (x64) Build 17763.437 (1809/RS5)  
UEFI Boot: Not Present  
Secure Boot: Not Present

## Central Processor(s)

---

### [CPU Unit Count]

**Number Of Processor Packages (Physical):** **1**  
**Number Of Processor Cores:** **4**  
**Number Of Logical Processors:** **4**

## AMD Phenom II X4 840

---

### [General Information]

**Processor Name:** **AMD Phenom II X4 840**  
**Original Processor Frequency:** **3200.0 MHz**  
**Original Processor Frequency [MHz]:** **3200**

CPU ID: 00100F53  
Extended CPU ID: 00100F53  
CPU Brand Name: AMD Phenom(tm) II X4 840 Processor  
CPU Vendor: AuthenticAMD  
CPU Stepping: BL-C3 (Bloodhound)  
CPU Code Name: Propus  
CPU Technology: 45 nm  
CPU Thermal Design Power (TDP): 95.0 W  
CPU Thermal Design Current (TDC): 76.0 A  
CPU Platform: Socket AM3  
Microcode Update Revision: 10000C8

Number of CPU Cores:	4
Number of Logical CPUs:	4

**[Operating Points]**

CPU HFM (Base):	3200.0 MHz = 16.00 x 200.0 MHz @ 1.3250 V
CPU Current:	3210.8 MHz = 16.00 x 200.7 MHz @ 1.3250 V
Northbridge Maximum:	2000.0 MHz = 10.00 x 200.0 MHz @ 1.3250 V
Northbridge Current:	2006.8 MHz = 10.00 x 200.7 MHz @ 1.1500 V

CPU Bus Type:	Hyper-Transport v3.00
Maximum Supported Hyper-Transport Link Clock:	2000 MHz
Current Hyper-Transport Link Clock:	2006 MHz

**[Cache and TLB]**

L1 Cache:	Instruction: 4 x 64 KBytes, Data: 4 x 64 KBytes
L2 Cache:	Integrated: 4 x 512 KBytes
Instruction TLB:	Fully associative, 32 entries
Data TLB:	Fully associative, 48 entries

**[Standard Feature Flags]**

FPU on Chip	Present
Enhanced Virtual-86 Mode	Present
I/O Breakpoints	Present
Page Size Extensions	Present
Time Stamp Counter	Present
Pentium-style Model Specific Registers	Present
Physical Address Extension	Present
Machine Check Exception	Present
CMPXCHG8B Instruction	Present
APIC On Chip / PGE (AMD)	Present
Fast System Call	Present
Memory Type Range Registers	Present
Page Global Feature	Present
Machine Check Architecture	Present
CMOV Instruction	Present
Page Attribute Table	Present
36-bit Page Size Extensions	Present
Processor Number	Not Present
CLFLUSH Instruction	Present
Debug Trace and EMON Store	Not Present
Internal ACPI Support	Not Present
MMX Technology	Present
Fast FP Save/Restore (IA MMX-2)	Present
Streaming SIMD Extensions	Present
Streaming SIMD Extensions 2	Present
Self-Snoop	Not Present
Multi-Threading Capable	Present
Automatic Clock Control	Not Present
IA-64 Processor	Not Present
Signal Break on FERR	Not Present
Streaming SIMD Extensions 3	Present
PCLMULQDQ Instruction Support	Not Present
MONITOR/MWAIT Support	Present
Supplemental Streaming SIMD Extensions 3	Not Present

FMA Extension	Not Present
CMPXCHG16B Support	Present
Streaming SIMD Extensions 4.1	Not Present
Streaming SIMD Extensions 4.2	Not Present
x2APIC	Not Present
POPCNT Instruction	Present
AES Cryptography Support	Not Present
XSAVE/XRSTOR/XSETBV/XGETBV Instructions	Not Present
XGETBV/XSETBV OS Enabled	Not Present
AVX Support	Not Present
Half-Precision Convert (CVT16)	Not Present

### **[Extended Feature Flags]**

FPU on Chip	Present
Enhanced Virtual-86 Mode	Present
I/O Breakpoints	Present
Page Size Extensions	Present
Time Stamp Counter	Present
AMD-style Model Specific Registers	Present
Machine Check Exception	Present
CMPXCHG8B Instruction	Present
APIC On Chip	Present
SYSCALL and SYSRET Instructions	Present
Memory Type Range Registers	Present
Page Global Feature	Present
Machine Check Architecture	Present
CMOV Instruction	Present
Page Attribute Table	Present
36-bit Page Size Extensions	Present
Multi-Processing / Brand feature	Not Present
No Execute	Present
MMX Technology	Present
MMX+ Extensions	Present
Fast FP Save/Restore	Present
Fast FP Save/Restore Optimizations	Present
1 GB large page support	Present
RDTSCP Instruction	Present
x86-64 Long Mode	Present
3DNow! Technology Extensions	Present
3DNow! Technology	Present
LAHF/SAHF Long Mode Support	Present
Core Multi-Processing Legacy Mode	Present
Secure Virtual Machine	Present
Extended APIC Register Space	Present
LOCK MOV CR0 Support	Present
Advanced Bit Manipulation	Present
SSE4A Support	Present
Misaligned SSE Mode	Present
PREFETCH(W) Support	Present
OS Visible Work-around Support	Present
Instruction Based Sampling	Present
XOP Instruction Support	Not Present
SKINIT, STGI, and DEV Support	Present
Watchdog Timer Support	Present
TBM0 Instruction Support	Not Present
Lightweight Profiling Support	Not Present
FMA4 Instruction Support	Not Present
Translation Cache Extension	Not Present

NodeId Support	Not Present
Trailing Bit Manipulation	Not Present
Topology Extensions	Not Present
Core Performance Counter Extensions	Not Present
NB Performance Counter Extensions	Not Present
Streaming Performance Monitor Architecture	Not Present
Data Breakpoint Extension	Not Present
Performance Time-Stamp Counter	Not Present
L2I Performance Counter Extensions	Not Present
MWAITX/MONITORX Support	Not Present
Secure Memory Encryption	Not Present
Secure Encrypted Virtualization	Not Present

### **[Enhanced Features]**

Core Performance Boost	Not Supported
------------------------	---------------

### **[Memory Ranges]**

Maximum Physical Address Size:	48-bit (256 TBytes)
Maximum Virtual Address Size:	48-bit (256 TBytes)

### **[MTRRs]**

Range 0-80000000 (0MB-2048MB) Type:	Write Back (WB)
Range 80000000-C0000000 (2048MB-3072MB) Type:	Write Back (WB)
Range C0000000-C8000000 (3072MB-3200MB) Type:	Write Back (WB)

## **Motherboard**

---

### **[Computer]**

Computer Brand Name:	Unknown on Noname
----------------------	-------------------

### **[Motherboard]**

<b>Motherboard Model:</b>	<b>ASUS M4A87TD EVO</b>
<b>Motherboard Chipset:</b>	<b>AMD 770/870 (RX780) + SB810/SB850</b>
Motherboard Slots:	3xPCI, 1xPCI Express x1, 2xPCI Express x2, 2xPCI Express x16
PCI Express Version Supported:	v2.0
USB Version Supported:	v3.0

### **[BIOS]**

BIOS Manufacturer:	American Megatrends
BIOS Date:	11/16/10
BIOS Version:	1101
AMD AGESA Version:	1.7.3
UEFI BIOS:	Not Capable
Super-IO/LPC Chip:	ITE IT8721F

## **ACPI Devices**

---

## Programmable interrupt controller

---

Device Name: Programmable interrupt controller

### **[Assigned Resources]**

I/O Port: 0020 - 0021  
IRQ: 65792

### **[Alternative 1]**

I/O Port: 0020 - 0021  
I/O Port: 00A0 - 00A1

## System timer

---

Device Name: System timer

### **[Assigned Resources]**

I/O Port: 0040 - 0043

### **[Alternative 1]**

I/O Port: 0040 - 0043  
IRQ: 0

## High precision event timer

---

Device Name: High precision event timer

### **[Assigned Resources]**

Memory Location: FED00000 - FED003FF

### **[Alternative 1]**

Memory Location: FED00000 - FED003FF

## Direct memory access controller

---

Device Name: Direct memory access controller

### **[Assigned Resources]**

I/O Port: 0089 - 008B  
DMA: 4

**[Alternative 1]**

I/O Port:	0000 - 000F
I/O Port:	0081 - 0083
I/O Port:	0087
I/O Port:	0089 - 008B
I/O Port:	008F
I/O Port:	00C0 - 00DF
DMA:	4

**Kommunikationsanschluss**

---

Device Name: Kommunikationsanschluss

**[Assigned Resources]**

I/O Port:	03F8 - 03FF
-----------	-------------

**[Alternative 1]**

I/O Port:	03F8 - 03FF
IRQ:	4

**[Alternative 2]**

I/O Port:	03F8 - 03FF
IRQ:	3
IRQ:	4
IRQ:	5
IRQ:	6
IRQ:	7
IRQ:	10
IRQ:	11
IRQ:	12

**[Alternative 3]**

I/O Port:	02F8 - 02FF
IRQ:	3
IRQ:	4
IRQ:	5
IRQ:	6
IRQ:	7
IRQ:	10
IRQ:	11
IRQ:	12

**[Alternative 4]**

I/O Port:	03E8 - 03EF
IRQ:	3
IRQ:	4
IRQ:	5
IRQ:	6
IRQ:	7
IRQ:	10

IRQ:	11
IRQ:	12

**[Alternative 5]**

I/O Port:	02E8 - 02EF
IRQ:	3
IRQ:	4
IRQ:	5
IRQ:	6
IRQ:	7
IRQ:	10
IRQ:	11
IRQ:	12

**[Alternative 6]**

I/O Port:	03F8 - 03FF
IRQ:	3
IRQ:	4
IRQ:	5
IRQ:	6
IRQ:	7
IRQ:	10
IRQ:	11
IRQ:	12
DMA:	0
DMA:	1
DMA:	2
DMA:	3

**[Alternative 7]**

I/O Port:	02F8 - 02FF
IRQ:	3
IRQ:	4
IRQ:	5
IRQ:	6
IRQ:	7
IRQ:	10
IRQ:	11
IRQ:	12
DMA:	0
DMA:	1
DMA:	2
DMA:	3

**[Alternative 8]**

I/O Port:	03E8 - 03EF
IRQ:	3
IRQ:	4
IRQ:	5
IRQ:	6
IRQ:	7
IRQ:	10
IRQ:	11

IRQ:	12
DMA:	0
DMA:	1
DMA:	2
DMA:	3

**[Alternative 9]**

I/O Port:	02E8 - 02EF
IRQ:	3
IRQ:	4
IRQ:	5
IRQ:	6
IRQ:	7
IRQ:	10
IRQ:	11
IRQ:	12
DMA:	0
DMA:	1
DMA:	2
DMA:	3

## System speaker

---

Device Name:	System speaker
--------------	----------------

**[Assigned Resources]**

I/O Port:	0061
-----------	------

**[Alternative 1]**

I/O Port:	0061
-----------	------

## PCI Bus

---

Device Name:	PCI Bus
--------------	---------

**[Assigned Resources]**

I/O Port:	0000 - FFFFFFFF
Memory Location:	000A0000 - 000BFFFF
Memory Location:	C7F00000 - C7EFFFFF

**[Alternative 1]**

I/O Port:	0000 - 0CF7
I/O Port:	0D00 - FFFF
Memory Location:	000A0000 - 000BFFFF
Memory Location:	000D0000 - 000DFFFF
Memory Location:	C7F00000 - DFFFFFFF
Memory Location:	F0000000 - FEBFFFFF



## System CMOS/real time clock

---

Device Name: System CMOS/real time clock

### **[Assigned Resources]**

I/O Port: 0070 - 0071

### **[Alternative 1]**

I/O Port: 0070 - 0071

IRQ: 8

## System board

---

Device Name: System board

### **[Assigned Resources]**

Memory Location: 00000000 - 0009FFFF

### **[Alternative 1]**

Memory Location: 00000000 - 0009FFFF

Memory Location: 000C0000 - 000CFFFF

Memory Location: 000E0000 - 000FFFFF

Memory Location: 00100000 - C7EFFFFF

Memory Location: FEC00000 - FFFFFFFF

## Motherboard resources

---

Device Name: Motherboard resources

### **[Assigned Resources]**

I/O Port: 0060

I/O Port: 0000 - FEBFFFFF

### **[Alternative 1]**

I/O Port: 0060

I/O Port: 0064

Memory Location: FEC00000 - FEC00FFF

Memory Location: FEE00000 - FEE00FFF

## Motherboard resources

---

Device Name: Motherboard resources

**[Assigned Resources]**

I/O Port:	0010 - 001F
I/O Port:	0072 - 007F
I/O Port:	0000 - 0083
I/O Port:	008C - 008E
I/O Port:	00E0 - 00EF
I/O Port:	0C00 - 0C01
I/O Port:	0000 - 0C4F
I/O Port:	0C6C
I/O Port:	0000 - 0CCF
I/O Port:	0CD4 - 0CD5
I/O Port:	0B00 - 0B1F
IRQ:	1114369
IRQ:	1114369

**[Alternative 1]**

I/O Port:	0010 - 001F
I/O Port:	0022 - 003F
I/O Port:	0062 - 0063
I/O Port:	0065 - 006F
I/O Port:	0072 - 007F
I/O Port:	0080
I/O Port:	0084 - 0086
I/O Port:	0088
I/O Port:	008C - 008E
I/O Port:	0090 - 009F
I/O Port:	00A2 - 00BF
I/O Port:	00B1
I/O Port:	00E0 - 00EF
I/O Port:	04D0 - 04D1
I/O Port:	040B
I/O Port:	04D6
I/O Port:	0C00 - 0C01
I/O Port:	0C14
I/O Port:	0C50 - 0C51
I/O Port:	0C52
I/O Port:	0C6C
I/O Port:	0C6F
I/O Port:	0CD0 - 0CD1
I/O Port:	0CD2 - 0CD3
I/O Port:	0CD4 - 0CD5
I/O Port:	0CD6 - 0CD7
I/O Port:	0CD8 - 0CDF
I/O Port:	0800 - 089F
I/O Port:	0B00 - 0B1F
I/O Port:	0B20 - 0B3F
I/O Port:	0900 - 090F
I/O Port:	0910 - 091F
I/O Port:	FE00 - FEFE
I/O Port:	0060
I/O Port:	0064
Memory Location:	C7F00000 - C7FFFFFF

Memory Location:	FFB80000 - FFBFFFFFF
Memory Location:	FEC10000 - FEC1001F
Memory Location:	FED80000 - FED80FFF

## Motherboard resources

---

Device Name:	Motherboard resources
--------------	-----------------------

### **[Assigned Resources]**

Memory Location:	E0000000 - EFFFFFFF
------------------	---------------------

### **[Alternative 1]**

Memory Location:	E0000000 - EFFFFFFF
------------------	---------------------

## Motherboard resources

---

Device Name:	Motherboard resources
--------------	-----------------------

### **[Assigned Resources]**

I/O Port:	0230 - 023F
-----------	-------------

### **[Alternative 1]**

I/O Port:	0230 - 023F
I/O Port:	0290 - 029F
I/O Port:	0F40 - 0F4F
I/O Port:	0A30 - 0A3F

## Numeric data processor

---

Device Name:	Numeric data processor
--------------	------------------------

### **[Assigned Resources]**

I/O Port:	00F0 - 00FF
-----------	-------------

### **[Alternative 1]**

I/O Port:	00F0 - 00FF
IRQ:	13

## Microsoft ACPI-Compliant Embedded Controller

---

Device Name:	Microsoft ACPI-Compliant Embedded Controller
--------------	----------------------------------------------

**[Assigned Resources]**

I/O Port: 0062

**[Alternative 1]**

I/O Port: 0062

I/O Port: 0066

**SMBIOS DMI**

---

**BIOS**

---

BIOS Vendor: American Megatrends Inc.  
BIOS Version: 1101  
BIOS Release Date: 11/16/2010  
BIOS Start Segment: F000  
BIOS Size: 1024 KBytes

System BIOS Version: 8.15

ISA Support: Present  
MCA Support: Not Present  
EISA Support: Not Present  
PCI Support: Present  
PC Card (PCMCIA) Support: Not Present  
Plug-and-Play Support: Present  
APM Support: Not Present  
Flash BIOS: Present  
BIOS Shadow: Present  
VL-VESA Support: Not Present  
ESCD Support: Present  
Boot from CD: Present  
Selectable Boot: Present  
BIOS ROM Socketed: Present  
Boot from PC Card: Not Present  
EDD Support: Present  
NEC PC-98 Support: Not Present  
ACPI Support: Present  
USB Legacy Support: Present  
AGP Support: Not Present  
I2O Boot Support: Not Present  
LS-120 Boot Support: Present  
ATAPI ZIP Drive Boot Support: Present  
IEEE1394 Boot Support: Not Present  
Smart Battery Support: Not Present  
BIOS Boot Specification Support: Present

Function key-initiated Network Service Boot Support:	Not Present
Targeted Content Distribution Support:	Present
UEFI Specification Support:	Not Present
Virtual Machine:	Not Present

## System

---

System Manufacturer:	System manufacturer
Product Name:	System Product Name
Product Version:	System Version
Product Serial Number:	System Serial Number
UUID:	{1F001AC0-00C6-0A00-CF7E-BCAEC54612BC}
SKU Number:	To Be Filled By O.E.M.
Family:	To Be Filled By O.E.M.

## Mainboard

---

Mainboard Manufacturer:	ASUSTeK Computer INC.
Mainboard Name:	M4A87TD EVO
Mainboard Version:	Rev 1.xx
Mainboard Serial Number:	108438900000771
Asset Tag:	To Be Filled By O.E.M.
Location in chassis:	To Be Filled By O.E.M.

## System Enclosure

---

Manufacturer:	Chassis Manufacture
Case Type:	Desktop
Version:	Chassis Version
Serial Number:	Chassis Serial Number
Asset Tag Number:	Asset-1234567890

## Processor

---

Processor Manufacturer:	AMD
Processor Version:	AMD Phenom(tm) II X4 840 Processor
External Clock:	200 MHz
Maximum Clock Supported:	3200 MHz
Current Clock:	3200 MHz
CPU Socket:	Populated
CPU Status:	Enabled
Processor Type:	Central Processor

Processor Voltage:	1.5 V
Processor Upgrade:	Unknown (1)
Socket Designation:	AM3

## L1-Cache

---

Socket Designation:	L1-Cache
Cache State:	Enabled
Cache Location:	Internal
Cache Type:	L1
Cache Scheme:	Write-Through and Write-Back
Supported SRAM Type:	Pipeline Burst
Current SRAM Type:	Pipeline Burst
Cache Speed:	Unknown
Error Correction Type:	Single-bit ECC
Maximum Cache Size:	512 KBytes
Installed Cache Size:	512 KBytes
Cache Associativity:	4-way Set-Associative

## L2-Cache

---

Socket Designation:	L2-Cache
Cache State:	Enabled
Cache Location:	Internal
Cache Type:	L2
Cache Scheme:	Write-Through and Write-Back
Supported SRAM Type:	Pipeline Burst
Current SRAM Type:	Pipeline Burst
Cache Speed:	Unknown
Error Correction Type:	Single-bit ECC
Maximum Cache Size:	2048 KBytes
Installed Cache Size:	2048 KBytes
Cache Associativity:	4-way Set-Associative

## L3-Cache

---

Socket Designation:	L3-Cache
Cache State:	Disabled
Cache Location:	Internal
Cache Type:	L3
Cache Scheme:	Unknown
Supported SRAM Type:	
Current SRAM Type:	
Cache Speed:	Unknown
Error Correction Type:	Unknown

Maximum Cache Size:	0 KBytes
Installed Cache Size:	0 KBytes
Cache Associativity:	Unknown

## OEM Strings

---

BCAEC54612BC  
To Be Filled By O.E.M.  
To Be Filled By O.E.M.  
To Be Filled By O.E.M.

## BIOS Language

---

en|US|iso8859-1 <Active>  
b5|B5|unicode-1  
gb|GB|unicode-1

## System Event Log

---

## System Boot Information

---

Boot Status:	No error occurred
--------------	-------------------

## On Board Device

---

Device Description:	Onboard SATA
Device Type:	SATA Controller
Device Status:	Enabled

## On Board Device

---

Device Description:	Onboard Ethernet
Device Type:	Ethernet Adapter
Device Status:	Enabled

## On Board Device

---

Device Description:	To Be Filled By O.E.M.
Device Type:	Audio Device
Device Status:	Enabled

## On Board Device

---

Device Description:	To Be Filled By O.E.M.
Device Type:	Unknown
Device Status:	Enabled

## Memory Devices

---

## Physical Memory Array

---

Array Location:	System board
Array Use:	System memory
Error Detecting Method:	None
Memory Capacity:	16 GBytes
Memory Devices:	4

## Memory Array Mapped Address

---

Starting Address:	00000000
Ending Address:	004DFFFF
Partition Width:	1

## Memory Device

---

Total Width:	64 bits
Data Width:	64 bits
Device Size:	2048 MBytes



Device Form Factor:	DIMM
Device Locator:	DIMM0
Bank Locator:	BANK0
Device Type:	Unknown
Device Type Detail:	Synchronous
Memory Speed:	667 MHz
Manufacturer:	Manufacturer00
Serial Number:	00000000
Part Number:	CL9-9-9 DDR3-16000
Asset Tag:	AssetTagNum0

## Memory Device Mapped Address

---

Starting Address:	00000000
Ending Address:	7FFFFFFF
Partition Row Position:	1
Interleave Position:	Non-interleaved
Interleave Data Depth:	0

## Memory Device

---

Total Width:	64 bits
Data Width:	64 bits
Device Size:	2048 MBytes
Device Form Factor:	DIMM
Device Locator:	DIMM1
Bank Locator:	BANK1
Device Type:	Unknown
Device Type Detail:	Synchronous
Memory Speed:	667 MHz
Manufacturer:	Manufacturer01
Serial Number:	00000000
Part Number:	CL9-9-9 DDR3-16000
Asset Tag:	AssetTagNum1

## Memory Device Mapped Address

---

Starting Address:	80000000
Ending Address:	80000000
Partition Row Position:	1
Interleave Position:	Non-interleaved
Interleave Data Depth:	0

## Memory Device

---

Total Width:	Unknown
Data Width:	64 bits
Device Size:	0 MBytes
Device Form Factor:	Unknown
Device Locator:	DIMM2
Bank Locator:	BANK2
Device Type:	Unknown
Device Type Detail:	
Manufacturer:	Manufacturer02
Serial Number:	SerNum02
Part Number:	ModulePartNumber02
Asset Tag:	AssetTagNum2

## Memory Device

---

Total Width:	Unknown
Data Width:	64 bits
Device Size:	0 MBytes
Device Form Factor:	Unknown
Device Locator:	DIMM3
Bank Locator:	BANK3
Device Type:	Unknown
Device Type Detail:	
Manufacturer:	Manufacturer03
Serial Number:	SerNum03
Part Number:	ModulePartNumber03
Asset Tag:	AssetTagNum3

## Port Connectors

---

## Keyboard Port

---

Port Type:	Keyboard Port
Internal Reference:	KB
Internal Connector Type:	None
External Reference:	Keyboard
External Connector Type:	PS/2

## Keyboard Port

---

Port Type:	Keyboard Port
Internal Reference:	MS
Internal Connector Type:	None
External Reference:	Mouse
External Connector Type:	PS/2

## USB

---

Port Type:	USB
Internal Reference:	USB12
Internal Connector Type:	None
External Reference:	USB12
External Connector Type:	Access Bus (USB)

## USB

---

Port Type:	USB
Internal Reference:	USB34
Internal Connector Type:	None
External Reference:	USB34
External Connector Type:	Access Bus (USB)

## USB

---

Port Type:	USB
Internal Reference:	USB56
Internal Connector Type:	None
External Reference:	USB56
External Connector Type:	Access Bus (USB)

## USB

---

Port Type:	USB
Internal Reference:	USB3_12
Internal Connector Type:	None
External Reference:	USB3_12
External Connector Type:	Access Bus (USB)

## Network Port

---

Port Type:	Network Port
Internal Reference:	GbE LAN1
Internal Connector Type:	None
External Reference:	GbE LAN1
External Connector Type:	RJ-45

## SATA

---

Port Type:	SATA
Internal Reference:	F_ESATA
Internal Connector Type:	None
External Reference:	F_ESATA
External Connector Type:	SAS/SATA Plug Receptacle

## Audio Port

---

Port Type:	Audio Port
Internal Reference:	Line In
Internal Connector Type:	None
External Reference:	Line In
External Connector Type:	Mini-jack (headphones)

## Audio Port

---

Port Type:	Audio Port
Internal Reference:	Line Out
Internal Connector Type:	None
External Reference:	Line Out
External Connector Type:	Mini-jack (headphones)

## Audio Port

---

Port Type:	Audio Port
Internal Reference:	Mic In
Internal Connector Type:	None
External Reference:	Mic In
External Connector Type:	Mini-jack (headphones)

## Audio Port

---

Port Type:	Audio Port
Internal Reference:	Center Out
Internal Connector Type:	None
External Reference:	Center Out
External Connector Type:	Mini-jack (headphones)

## Audio Port

---

Port Type:	Audio Port
Internal Reference:	Surround Out
Internal Connector Type:	None
External Reference:	Surround Out
External Connector Type:	Mini-jack (headphones)

## Audio Port

---

Port Type:	Audio Port
Internal Reference:	Side Surround
Internal Connector Type:	None
External Reference:	Side Surround Out
External Connector Type:	Mini-jack (headphones)

## FireWire (IEEE P1394)

---

Port Type:	FireWire (IEEE P1394)
Internal Reference:	1394
Internal Connector Type:	None
External Reference:	FireWire
External Connector Type:	IEEE 1394

## Port Connector

---

Port Type:	Unknown
Internal Reference:	MAIN POWER
Internal Connector Type:	Unknown
External Reference:	Unknown
External Connector Type:	None

## Port Connector

---

Port Type:	Unknown
Internal Reference:	CPU_FAN
Internal Connector Type:	Unknown
External Reference:	Unknown
External Connector Type:	None

## Port Connector

---

Port Type:	Unknown
Internal Reference:	CHA_FAN
Internal Connector Type:	Unknown
External Reference:	Unknown
External Connector Type:	None

## Port Connector

---

Port Type:	Unknown
Internal Reference:	PWR_FAN
Internal Connector Type:	Unknown
External Reference:	Unknown
External Connector Type:	None

## USB

---

Port Type:	USB
Internal Reference:	USB78
Internal Connector Type:	9 Pin Dual Inline (pin 10 cut)
External Reference:	Unknown
External Connector Type:	None

## USB

---

Port Type:	USB
Internal Reference:	USB910
Internal Connector Type:	9 Pin Dual Inline (pin 10 cut)
External Reference:	Unknown
External Connector Type:	None

## USB

---

Port Type:	USB
Internal Reference:	USB1112
Internal Connector Type:	9 Pin Dual Inline (pin 10 cut)
External Reference:	Unknown
External Connector Type:	None

## SATA

---

Port Type:	SATA
Internal Reference:	SATA1
Internal Connector Type:	SAS/SATA Plug Receptacle
External Reference:	Unknown
External Connector Type:	None

## SATA

---

Port Type:	SATA
Internal Reference:	SATA2
Internal Connector Type:	SAS/SATA Plug Receptacle
External Reference:	Unknown
External Connector Type:	None

## SATA

---

Port Type:	SATA
Internal Reference:	SATA3
Internal Connector Type:	SAS/SATA Plug Receptacle
External Reference:	Unknown
External Connector Type:	None

## SATA

---

Port Type:	SATA
Internal Reference:	SATA4
Internal Connector Type:	SAS/SATA Plug Receptacle
External Reference:	Unknown
External Connector Type:	None

## SATA

---

Port Type:	SATA
Internal Reference:	SATA5
Internal Connector Type:	SAS/SATA Plug Receptacle
External Reference:	Unknown
External Connector Type:	None

## SATA

---

Port Type:	SATA
Internal Reference:	SATA6
Internal Connector Type:	SAS/SATA Plug Receptacle
External Reference:	Unknown
External Connector Type:	None

## Port Connector

---

Port Type:	Unknown
Internal Reference:	COM1
Internal Connector Type:	9 Pin Dual Inline (pin 10 cut)
External Reference:	Unknown
External Connector Type:	None

## Audio Port

---

Port Type:	Audio Port
Internal Reference:	AAFP
Internal Connector Type:	Mini-jack (headphones)
External Reference:	Unknown
External Connector Type:	None

## Audio Port

---

Port Type:	Audio Port
Internal Reference:	SPDIF_OUT
Internal Connector Type:	Unknown
External Reference:	Unknown
External Connector Type:	None

## Port Connector

---



Port Type:	Unknown
Internal Reference:	PRI_IDE
Internal Connector Type:	On Board IDE
External Reference:	Unknown
External Connector Type:	None

## Port Connector

---

Port Type:	Unknown
Internal Reference:	PANEL
Internal Connector Type:	Unknown
External Reference:	Unknown
External Connector Type:	None

## FireWire (IEEE P1394)

---

Port Type:	FireWire (IEEE P1394)
Internal Reference:	IE1394_2
Internal Connector Type:	9 Pin Dual Inline (pin 10 cut)
External Reference:	Unknown
External Connector Type:	None

## System Slots

---

### PCIEX1\_1

---

Slot Designation:	PCIEX1_1
Slot Type:	PCI Express
Slot Usage:	Empty
Slot Data Bus Width:	32-bit
Slot Length:	Short

### PCIEX16\_1

---

Slot Designation:	PCIEX16_1
Slot Type:	PCI Express
Slot Usage:	In use
Slot Data Bus Width:	32-bit

Slot Length: Short

## PCI1

---

Slot Designation: PCI1  
Slot Type: PCI  
Slot Usage: Empty  
Slot Data Bus Width: 32-bit  
Slot Length: Short

## PCI2

---

Slot Designation: PCI2  
Slot Type: PCI  
Slot Usage: Empty  
Slot Data Bus Width: 32-bit  
Slot Length: Short

## PCIEX16\_2

---

Slot Designation: PCIEX16\_2  
Slot Type: PCI Express  
Slot Usage: In use  
Slot Data Bus Width: 32-bit  
Slot Length: Short

## PCI3

---

Slot Designation: PCI3  
Slot Type: PCI  
Slot Usage: Empty  
Slot Data Bus Width: 32-bit  
Slot Length: Short

## Memory

---

### [General information]

Total Memory Size: 4 GBytes  
Total Memory Size [MB]: 4096

**[Current Performance Settings]**

Maximum Supported Memory Clock:	666.7 MHz
Current Memory Clock:	668.9 MHz
Current Timing (tCAS-tRCD-tRP-tRAS):	9-9-9-24
Memory Runs At:	Dual-Channel

Command Rate:	1T
Read to Read Delay (tRD_RD) Different Rank:	3T
Write to Write Delay (tWR_WR) Different Rank:	4T
Write to Read Delay (tWR_RD) Same Rank (tWTR):	5T
Write to Precharge Delay (tWTP):	21T
Write Recovery Time (tWR):	10T
RAS# to RAS# Delay (tRRD):	4T
Row Cycle Time (tRC):	33T
Four Activate Window (tFAW):	20T

**Row: 0 - 2 GB PC3-12800 DDR3 SDRAM GeIL CL9-9-9 DDR3-1600**

---

**[General Module Information]**

Module Number:	0
<b>Module Size:</b>	<b>2 GBytes</b>
<b>Memory Type:</b>	<b>DDR3 SDRAM</b>
Module Type:	Unbuffered DIMM (UDIMM)
<b>Memory Speed:</b>	<b>800.0 MHz (DDR3-1600 / PC3-12800)</b>
<b>Module Manufacturer:</b>	<b>GeIL</b>
<b>Module Part Number:</b>	<b>CL9-9-9 DDR3-1600</b>
Module Revision:	0
Module Serial Number:	0
Module Manufacturing Date:	Year: 2011, Week: 14
Module Manufacturing Location:	1
SDRAM Manufacturer:	Unknown
Error Check/Correction:	None

**[Module characteristics]**

Row Address Bits:	15
Column Address Bits:	10
Number Of Banks:	8
Module Density:	2048 Mb
Number Of Ranks:	1
Device Width:	8 bits
Bus Width:	64 bits
Module Nominal Voltage (VDD):	1.5 V

**[Module timing]**

Minimum SDRAM Cycle Time (tCKmin):	1.500 ns
CAS# Latencies Supported:	5, 6, 7, 8, 9, 10
Minimum CAS# Latency Time (tAmin):	13.500 ns

Minimum RAS# to CAS# Delay (tRCDmin):	13.500 ns
Minimum Row Precharge Time (tRPmin):	13.500 ns
Minimum Active to Precharge Time (tRASmin):	36.000 ns

Supported Module Timing at 666.7 MHz:	9-9-9-24
Supported Module Timing at 600.0 MHz:	9-9-9-22
Supported Module Timing at 533.3 MHz:	8-8-8-20
Supported Module Timing at 466.7 MHz:	7-7-7-17
Supported Module Timing at 400.0 MHz:	6-6-6-15
Supported Module Timing at 333.3 MHz:	5-5-5-12

Minimum Write Recovery Time (tWRmin):	15.000 ns
Minimum Row Active to Row Active Delay (tRRDmin):	6.000 ns
Minimum Active to Active/Refresh Time (tRCmin):	49.125 ns
Minimum Refresh Recovery Time Delay (tRFCmin):	160.000 ns
Minimum Internal Write to Read Command Delay (tWTRmin):	7.500 ns
Minimum Internal Read to Precharge Command Delay (tRTPmin):	7.500 ns
Minimum Four Activate Window Delay Time (tFAWmin):	30.000 ns

### **[Features]**

Partial Array Self Refresh (PASR):	Not Supported
On-die Thermal Sensor (ODTS) Readout:	Not Supported
Auto Self Refresh (ASR):	Not Supported
Extended Temperature 1X Refresh Rate:	Not Supported
Extended Temperature Range:	Supported
Module Temperature Sensor:	Not Supported
Pseudo Target Row Refresh (pTRR):	Not Supported
Module Nominal Height:	29 - 30 mm
Module Maximum Thickness (Front):	1 - 2 mm
Module Maximum Thickness (Back):	1 - 2 mm

### **[Intel Extreme Memory Profile (XMP)]**

XMP Revision:	1.2
---------------	-----

### **[Enthusiast / Certified Profile [Enabled]]**

Module VDD Voltage Level:	1.50 V
CAS# Latencies Supported:	7, 8, 9
Minimum SDRAM Cycle Time (tCKmin):	1.250 ns (800.0 MHz)
Minimum CAS Latency Time (tAAmin):	11.250 ns
Minimum RAS# to CAS# Delay Time (tRCDmin):	11.250 ns
Minimum Row Precharge Delay Time (tRPmin):	11.250 ns
Minimum Active to Precharge Delay Time (tRASmin):	35.000 ns

Minimum CAS Write Latency Time (tCWLmin):	11.250 ns
Minimum Write Recovery Time (tWRmin):	15.000 ns
Minimum Active to Active/Refresh Delay Time (tRCmin):	45.000 ns
Maximum tREFI Time (Average Periodic Refresh Interval):	7.875 us
Minimum Refresh Recovery Delay Time (tRFCmin):	160.000 ns
Minimum Internal Read to Precharge Command Delay Time (tRTPmin):	7.500 ns
Minimum Row Active to Row Active Delay Time (tRRDmin):	6.000 ns
Minimum Four Activate Window Delay Time (tFAWmin):	30.0 ns
Minimum Internal Write to Read Command Delay Time (tWTRmin):	7.500 ns
Supported Module Timing at 800.0 MHz:	9-9-9-28
Read to Write CMD Turn-around Time Optimization:	No adjustment
Write to Read CMD Turn-around Time Optimization:	No adjustment
Back 2 Back CMD Turn-around Time Optimization:	No adjustment
System Command Rate Mode:	2N

## Row: 1 - 2 GB PC3-12800 DDR3 SDRAM GeIL CL9-9-9 DDR3-1600

---

### [General Module Information]

Module Number:	1
<b>Module Size:</b>	<b>2 GBytes</b>
<b>Memory Type:</b>	<b>DDR3 SDRAM</b>
Module Type:	Unbuffered DIMM (UDIMM)
<b>Memory Speed:</b>	<b>800.0 MHz (DDR3-1600 / PC3-12800)</b>
<b>Module Manufacturer:</b>	<b>GeIL</b>
<b>Module Part Number:</b>	<b>CL9-9-9 DDR3-1600</b>
Module Revision:	0
Module Serial Number:	0
Module Manufacturing Date:	Year: 2011, Week: 14
Module Manufacturing Location:	1
SDRAM Manufacturer:	Unknown
Error Check/Correction:	None

### [Module characteristics]

Row Address Bits:	15
Column Address Bits:	10
Number Of Banks:	8
Module Density:	2048 Mb
Number Of Ranks:	1
Device Width:	8 bits
Bus Width:	64 bits
Module Nominal Voltage (VDD):	1.5 V

**[Module timing]**

Minimum SDRAM Cycle Time (tCKmin):	1.500 ns
CAS# Latencies Supported:	5, 6, 7, 8, 9, 10
Minimum CAS# Latency Time (tAAmin):	13.500 ns
Minimum RAS# to CAS# Delay (tRCDmin):	13.500 ns
Minimum Row Precharge Time (tRPmin):	13.500 ns
Minimum Active to Precharge Time (tRASmin):	36.000 ns

Supported Module Timing at 666.7 MHz:	9-9-9-24
Supported Module Timing at 600.0 MHz:	9-9-9-22
Supported Module Timing at 533.3 MHz:	8-8-8-20
Supported Module Timing at 466.7 MHz:	7-7-7-17
Supported Module Timing at 400.0 MHz:	6-6-6-15
Supported Module Timing at 333.3 MHz:	5-5-5-12

Minimum Write Recovery Time (tWRmin):	15.000 ns
Minimum Row Active to Row Active Delay (tRRDmin):	6.000 ns
Minimum Active to Active/Refresh Time (tRCmin):	49.125 ns
Minimum Refresh Recovery Time Delay (tRFCmin):	160.000 ns
Minimum Internal Write to Read Command Delay (tWTRmin):	7.500 ns
Minimum Internal Read to Precharge Command Delay (tRTPmin):	7.500 ns
Minimum Four Activate Window Delay Time (tFAWmin):	30.000 ns

**[Features]**

Partial Array Self Refresh (PASR):	Not Supported
On-die Thermal Sensor (ODTS) Readout:	Not Supported
Auto Self Refresh (ASR):	Not Supported
Extended Temperature 1X Refresh Rate:	Not Supported
Extended Temperature Range:	Supported
Module Temperature Sensor:	Not Supported
Pseudo Target Row Refresh (pTRR):	Not Supported
Module Nominal Height:	29 - 30 mm
Module Maximum Thickness (Front):	1 - 2 mm
Module Maximum Thickness (Back):	1 - 2 mm

**[Intel Extreme Memory Profile (XMP)]**

XMP Revision:	1.2
---------------	-----

**[Enthusiast / Certified Profile [Enabled]]**

Module VDD Voltage Level:	1.50 V
CAS# Latencies Supported:	7, 8, 9
Minimum SDRAM Cycle Time (tCKmin):	1.250 ns (800.0 MHz)
Minimum CAS Latency Time (tAAmin):	11.250 ns
Minimum RAS# to CAS# Delay Time (tRCDmin):	11.250 ns

Minimum Row Precharge Delay Time (tRPmin):	11.250 ns
Minimum Active to Precharge Delay Time (tRASmin):	35.000 ns
Minimum CAS Write Latency Time (tCWLmin):	11.250 ns
Minimum Write Recovery Time (tWRmin):	15.000 ns
Minimum Active to Active/Refresh Delay Time (tRCmin):	45.000 ns
Maximum tREFI Time (Average Periodic Refresh Interval):	7.875 us
Minimum Refresh Recovery Delay Time (tRFCmin):	160.000 ns
Minimum Internal Read to Precharge Command Delay Time (tRTPmin):	7.500 ns
Minimum Row Active to Row Active Delay Time (tRRDmin):	6.000 ns
Minimum Four Activate Window Delay Time (tFAWmin):	30.0 ns
Minimum Internal Write to Read Command Delay Time (tWTRmin):	7.500 ns
Supported Module Timing at 800.0 MHz:	9-9-9-28
Read to Write CMD Turn-around Time Optimization:	No adjustment
Write to Read CMD Turn-around Time Optimization:	No adjustment
Back 2 Back CMD Turn-around Time Optimization:	No adjustment
System Command Rate Mode:	2N

## Bus

---

### PCI Bus #0

---

### ATI/AMD RX780 - Host Bridge

---

#### [General Information]

<b>Device Name:</b>	<b>ATI/AMD RX780 - Host Bridge</b>
<b>Original Device Name:</b>	<b>ATI/AMD RX780 - Host Bridge</b>
<b>Device Class:</b>	<b>Host-to-PCI Bridge</b>
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	0:0:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_1002&DEV_5957&SUBSYS_59571002&REV_00

**[System Resources]**

Interrupt Line:	N/A
Interrupt Pin:	N/A
Memory Base Address 3	E0000000

**[Features]**

Bus Mastering:	Enabled
Running At 66 MHz:	Capable
Fast Back-to-Back Transactions:	Not Capable

**[Driver Information]**

Driver Manufacturer:	(Standardsystemgeräte)
Driver Description:	PCI Standard-Host-CPU-Brücke
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_1002&DEV_5957&SUBSYS_59571002&REV_00 \3&267A616A&0&00
Location Paths	PCIROOT(0)#PCI(0000)

**ATI/AMD RD790 - External Graphics0 Port A**

---

**[General Information]**

<b>Device Name:</b>	<b>ATI/AMD RD790 - External Graphics0 Port A</b>
<b>Original Device Name:</b>	<b>ATI/AMD RD790 - External Graphics0 Port A</b>
<b>Device Class:</b>	<b>PCI-to-PCI Bridge</b>
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	0:2:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_1002&DEV_5978&SUBSYS_00000000&REV_00

**[PCI Express]**

Version:	2.0
Maximum Link Width:	16x
Current Link Width:	16x
Maximum Link Speed:	5.0 GT/s
Current Link Speed:	5.0 GT/s
Device/Port Type:	Root Port of PCI Express Root Complex
Slot Implemented:	Yes
Hot-Plug:	Not Capable
Hot-Plug Surprise:	Not Capable
Slot Power Limit:	75.000 W
Emergency Power Reduction:	Not Supported
Active State Power Management (ASPM) Support:	L0s and L1
Active State Power Management (ASPM) Status:	L0s Entry
L0s Exit Latency:	< 64 ns
L1 Exit Latency:	< 1 us
Maximum Payload Size Supported:	128 bytes
Maximum Payload Size:	128 bytes



**[System Resources]**

Interrupt Line:	N/A
Interrupt Pin:	INTA#

**[Features]**

Bus Mastering:	Enabled
Running At 66 MHz:	Not Capable
Fast Back-to-Back Transactions:	Not Capable

**[Driver Information]**

Driver Manufacturer:	(Standardsystemgeräte)
Driver Description:	PCI Express-Stammpport
Driver Provider:	Microsoft
Driver Version:	10.0.17763.404
Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_1002&DEV_5978&SUBSYS_59571002&REV_00 \3&267A616A&0&10
Location Paths	PCIROOT(0)#PCI(0200)

**PCI Express x16 Bus #5**

---

**ATI/AMD Mobility Radeon HD 5430/5450/62x0 (PARK LP GL)**

---

**[General Information]**

<b>Device Name:</b>	<b>ATI/AMD Mobility Radeon HD 5430/5450/62x0 (PARK LP GL)</b>
<b>Original Device Name:</b>	<b>ATI/AMD Mobility Radeon HD 5430/5450/62x0 (PARK LP GL)</b>
<b>Device Class:</b>	<b>VGA Compatible Adapter</b>
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	5:0:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_1002&DEV_68E1&SUBSYS_30001787&REV_00

**[PCI Express]**

Version:	2.0
Maximum Link Width:	16x
Current Link Width:	16x
Maximum Link Speed:	5.0 GT/s
Current Link Speed:	5.0 GT/s
Device/Port Type:	Legacy PCI Express Endpoint
Slot Implemented:	No
Emergency Power Reduction:	Not Supported
Active State Power Management (ASPM) Support:	L0s and L1
Active State Power Management (ASPM) Status:	L0s Entry

L0s Exit Latency:	< 64 ns
L1 Exit Latency:	< 1 us
Maximum Payload Size Supported:	256 bytes
Maximum Payload Size:	128 bytes

### [System Resources]

Interrupt Line:	N/A
Interrupt Pin:	INTA#
Memory Base Address 0	D0000000
Memory Base Address 2	FE9E0000
I/O Base Address 4	E000

### [Features]

Bus Mastering:	Enabled
Running At 66 MHz:	Not Capable
Fast Back-to-Back Transactions:	Not Capable

### [Driver Information]

Driver Manufacturer:	Advanced Micro Devices, Inc.
Driver Description:	ATI Radeon HD 5400 Series
Driver Provider:	Advanced Micro Devices, Inc.
Driver Version:	15.201.1151.1008 (Catalyst 15.11)
AMD Driver Package Version:	15.201.1151.1008-151104a-296217E
Driver Date:	04-Nov-2015
DCH/UWD Driver:	Not Capable
DeviceInstanceId	PCI\VEN_1002&DEV_68E1&SUBSYS_30001787&REV_00 \4&7E682FB&0&0010
Location Paths	PCIROOT(0)#PCI(0200)#PCI(0000)

## ATI/AMD Cedar/Park/Robson - High Definition Audio Controller

---

### [General Information]

<b>Device Name:</b>	<b>ATI/AMD Cedar/Park/Robson - High Definition Audio Controller</b>
<b>Original Device Name:</b>	<b>ATI/AMD Cedar/Park/Robson - High Definition Audio Controller</b>
<b>Device Class:</b>	<b>High Definition Audio</b>
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	5:0:1
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_1002&DEV_AA68&SUBSYS_AA681787&REV_00

### [PCI Express]

Version:	2.0
Maximum Link Width:	16x
Current Link Width:	16x
Maximum Link Speed:	5.0 GT/s
Current Link Speed:	5.0 GT/s
Device/Port Type:	Legacy PCI Express Endpoint
Slot Implemented:	No
Emergency Power Reduction:	Not Supported

Active State Power Management (ASPM) Support:	L0s and L1
Active State Power Management (ASPM) Status:	L0s Entry
L0s Exit Latency:	< 64 ns
L1 Exit Latency:	< 1 us
Maximum Payload Size Supported:	256 bytes
Maximum Payload Size:	128 bytes

### [System Resources]

Interrupt Line:	IRQ19
Interrupt Pin:	INTB#
Memory Base Address 0	FE9BC000

### [Features]

Bus Mastering:	Enabled
Running At 66 MHz:	Not Capable
Fast Back-to-Back Transactions:	Not Capable

### [Driver Information]

Driver Manufacturer:	Microsoft
Driver Description:	High Definition Audio-Controller
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	14-Sep-2018
DeviceInstanceId	PCI\VEN_1002&DEV_AA68&SUBSYS_AA681787&REV_00\4&7E682FB&0&0110
Location Paths	PCIROOT(0)#PCI(0200)#PCI(0001)

## ATI/AMD RD790 - PCI Express Port E

---

### [General Information]

<b>Device Name:</b>	<b>ATI/AMD RD790 - PCI Express Port E</b>
<b>Original Device Name:</b>	<b>ATI/AMD RD790 - PCI Express Port E</b>
<b>Device Class:</b>	<b>PCI-to-PCI Bridge</b>
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	0:9:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_1002&DEV_597E&SUBSYS_00000000&REV_00

### [PCI Express]

Version:	2.0
Maximum Link Width:	2x
Current Link Width:	1x
Maximum Link Speed:	5.0 GT/s
Current Link Speed:	2.5 GT/s
Device/Port Type:	Root Port of PCI Express Root Complex
Slot Implemented:	Yes
Hot-Plug:	Not Capable
Hot-Plug Surprise:	Not Capable
Slot Power Limit:	25.000 W

Emergency Power Reduction:	Not Supported
Active State Power Management (ASPM) Support:	L0s and L1
Active State Power Management (ASPM) Status:	Disabled
L0s Exit Latency:	< 64 ns
L1 Exit Latency:	< 1 us
Maximum Payload Size Supported:	128 bytes
Maximum Payload Size:	128 bytes

### [System Resources]

Interrupt Line:	N/A
Interrupt Pin:	INTA#

### [Features]

Bus Mastering:	Enabled
Running At 66 MHz:	Not Capable
Fast Back-to-Back Transactions:	Not Capable

### [Driver Information]

Driver Manufacturer:	(Standardsystemgeräte)
Driver Description:	PCI Express-Stammpport
Driver Provider:	Microsoft
Driver Version:	10.0.17763.404
Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_1002&DEV_597E&SUBSYS_59571002&REV_00 \3&267A616A&0&48
Location Paths	PCIROOT(0)#PCI(0900)

## PCI Express x2 Bus #4

---

## JMicron Technology JMB361 SATA-II AHCI Controller

---

### [General Information]

<b>Device Name:</b>	<b>JMicron Technology JMB361 SATA-II AHCI Controller</b>
<b>Original Device Name:</b>	<b>JMicron Technology JMB361 SATA-II AHCI Controller</b>
<b>Device Class:</b>	<b>IDE Controller</b>
Revision ID:	10
PCI Address (Bus:Device:Function) Number:	4:0:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_197B&DEV_2361&SUBSYS_843F1043&REV_10

### [PCI Express]

Version:	1.1
Maximum Link Width:	1x
Current Link Width:	1x
Maximum Link Speed:	2.5 GT/s
Current Link Speed:	2.5 GT/s

Device/Port Type:	Legacy PCI Express Endpoint
Slot Implemented:	No
Emergency Power Reduction:	Not Supported
Active State Power Management (ASPM) Support:	L0s and L1
Active State Power Management (ASPM) Status:	Disabled
L0s Exit Latency:	512 ns - 1 us
L1 Exit Latency:	8 - 16 us
Maximum Payload Size Supported:	128 bytes
Maximum Payload Size:	128 bytes

### [System Resources]

Interrupt Line:	IRQ17
Interrupt Pin:	INTA#
I/O Base Address 0	DC00
I/O Base Address 1	D880
I/O Base Address 2	D800
I/O Base Address 3	D480
I/O Base Address 4	D400
Memory Base Address 5	FE8FFC00

### [Features]

Bus Mastering:	Enabled
Running At 66 MHz:	Not Capable
Fast Back-to-Back Transactions:	Not Capable

### [Driver Information]

Driver Manufacturer:	JMicron Technology Corp.
Driver Description:	JMicron JMB36X Controller
Driver Provider:	JMicron Technology Corp.
Driver Version:	1.17.65.11
Driver Date:	17-Sep-2012
DeviceInstanceId	PCI\VEN_197B&DEV_2361&SUBSYS_843F1043&REV_10 \4&28EB84D4&0&0048
Location Paths	PCIROOT(0)#PCI(0900)#PCI(0000)

## ATI/AMD RD790 - PCI Express Port F

---

### [General Information]

<b>Device Name:</b>	<b>ATI/AMD RD790 - PCI Express Port F</b>
<b>Original Device Name:</b>	<b>ATI/AMD RD790 - PCI Express Port F</b>
<b>Device Class:</b>	<b>PCI-to-PCI Bridge</b>
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	0:10:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_1002&DEV_597F&SUBSYS_00000000&REV_00

### [PCI Express]

Version:	2.0
Maximum Link Width:	2x

Current Link Width:	1x
Maximum Link Speed:	5.0 GT/s
Current Link Speed:	5.0 GT/s
Device/Port Type:	Root Port of PCI Express Root Complex
Slot Implemented:	Yes
Hot-Plug:	Not Capable
Hot-Plug Surprise:	Not Capable
Slot Power Limit:	25.000 W
Emergency Power Reduction:	Not Supported
Active State Power Management (ASPM) Support:	L0s and L1
Active State Power Management (ASPM) Status:	L0s Entry
L0s Exit Latency:	< 64 ns
L1 Exit Latency:	< 1 us
Maximum Payload Size Supported:	128 bytes
Maximum Payload Size:	128 bytes

### **[System Resources]**

Interrupt Line:	N/A
Interrupt Pin:	INTA#

### **[Features]**

Bus Mastering:	Enabled
Running At 66 MHz:	Not Capable
Fast Back-to-Back Transactions:	Not Capable

### **[Driver Information]**

Driver Manufacturer:	(Standardsystemgeräte)
Driver Description:	PCI Express-Stammpport
Driver Provider:	Microsoft
Driver Version:	10.0.17763.404
Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_1002&DEV_597F&SUBSYS_59571002&REV_00 \3&267A616A&0&50
Location Paths	PCIROOT(0)#PCI(0A00)

## **PCI Express x2 Bus #3**

---

## **NEC/Renesas Electronics uPD720200 USB 3.0 xHCI Host Controller**

---

### **[General Information]**

Device Name:	NEC/Renesas Electronics uPD720200 USB 3.0 xHCI Host Controller
Original Device Name:	NEC/Renesas Electronics uPD720200 USB 3.0 xHCI Host Controller
Device Class:	USB xHCI Controller
Revision ID:	3

PCI Address (Bus:Device:Function) Number:	3:0:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_1033&DEV_0194&SUBSYS_84131043&REV_03

**[PCI Express]**

Version:	2.0
Maximum Link Width:	1x
Current Link Width:	1x
Maximum Link Speed:	5.0 GT/s
Current Link Speed:	5.0 GT/s
Device/Port Type:	PCI Express Endpoint
Slot Implemented:	No
Emergency Power Reduction:	Not Supported
Active State Power Management (ASPM) Support:	L0s and L1
Active State Power Management (ASPM) Status:	L0s Entry
L0s Exit Latency:	2 - 4 us
L1 Exit Latency:	>64 us
Maximum Payload Size Supported:	128 bytes
Maximum Payload Size:	128 bytes

**[System Resources]**

Interrupt Line:	N/A
Interrupt Pin:	INTA#
Memory Base Address 0	FE7FE000

**[Features]**

Bus Mastering:	Enabled
Running At 66 MHz:	Not Capable
Fast Back-to-Back Transactions:	Not Capable

USB Version Supported:	3.0
------------------------	-----

**[Driver Information]**

Driver Manufacturer:	Generischer USB-xHCI-Hostcontroller
Driver Description:	USB-xHCI-kompatibler Hostcontroller
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	14-Sep-2018
DeviceInstanceId	PCI\VEN_1033&DEV_0194&SUBSYS_84131043&REV_03 \FFFFFFFFFFFFFFFFF00
Location Paths	PCIROOT(0)#PCI(0A00)#PCI(0000)

**USB Root Hub**

---

**[Port1] : No Device Connected**

---

## [Port2] : No Device Connected

---

## [Port3] : No Device Connected

---

## [Port4] : No Device Connected

---

## ATI/AMD SB800/Hudson-1 - SATA (Native IDE) Controller

---

### [General Information]

<b>Device Name:</b>	<b>ATI/AMD SB800/Hudson-1 - SATA (Native IDE) Controller</b>
<b>Original Device Name:</b>	<b>ATI/AMD SB800/Hudson-1 - SATA (Native IDE) Controller</b>
<b>Device Class:</b>	<b>IDE Controller</b>
Revision ID:	40
PCI Address (Bus:Device:Function) Number:	0:17:0
PCI Latency Timer:	64
Hardware ID:	PCI\VEN_1002&DEV_4390&SUBSYS_43901002&REV_40

### [System Resources]

Interrupt Line:	IRQ19
Interrupt Pin:	INTA#
I/O Base Address 0	A000
I/O Base Address 1	9000
I/O Base Address 2	8000
I/O Base Address 3	7000
I/O Base Address 4	6000
Memory Base Address 5	FE5FA000

### [Features]

Bus Mastering:	Enabled
Running At 66 MHz:	Capable
Fast Back-to-Back Transactions:	Not Capable

### [Driver Information]

Driver Manufacturer:	Advanced Micro Devices
Driver Description:	AMD SATA Controller (IDE Mode)
Driver Provider:	Advanced Micro Devices
Driver Version:	5.2.2.179



Driver Date:	28-Jun-2013
DeviceInstanceId	PCI\VEN_1002&DEV_4390&SUBSYS_43901002&REV_40 \3&267A616A&0&88
Location Paths	PCIROOT(0)#PCI(1100)

## ATI/AMD SP5100 (SB700/SB800) - USB OHCI Controller

---

### [General Information]

<b>Device Name:</b>	<b>ATI/AMD SP5100 (SB700/SB800) - USB OHCI Controller</b>
<b>Original Device Name:</b>	<b>ATI/AMD SP5100 (SB700/SB800) - USB OHCI Controller</b>
<b>Device Class:</b>	<b>USB OHCI Controller</b>
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	0:18:0
PCI Latency Timer:	64
Hardware ID:	PCI\VEN_1002&DEV_4397&SUBSYS_43971002&REV_00

### [System Resources]

Interrupt Line:	IRQ18
Interrupt Pin:	INTA#
Memory Base Address 0	FE5F3000

### [Features]

Bus Mastering:	Enabled
Running At 66 MHz:	Capable
Fast Back-to-Back Transactions:	Capable

USB Version Supported:	1.0
------------------------	-----

### [Driver Information]

Driver Manufacturer:	(Standard-USB-Hostcontroller)
Driver Description:	Standard OpenHCD USB-Hostcontroller
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_1002&DEV_4397&SUBSYS_43971002&REV_00 \3&267A616A&0&90
Location Paths	PCIROOT(0)#PCI(1200)

## USB Root Hub

---

### [Port1] : No Device Connected

---

## [Port2] : USB-Eingabegerät

---

### [Device Information]

Device Manufacturer:	LITEON Technology
Product Name:	USB Multimedia Keyboard
Serial Number:	N/A
USB Version Supported:	1.10
USB Device Speed:	USB 1.1 Low-speed
Driver Description:	USB-Eingabegerät
Hardware ID:	USB\VID_046D&PID_C312

### [Driver Information]

Driver Manufacturer:	(Standardsystemgeräte)
Driver Description:	USB-Eingabegerät
Driver Provider:	Microsoft
Driver Version:	10.0.17763.379
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_046D&PID_C312\5&3AFD18BD&0&2
Location Paths	PCIROOT(0)#PCI(1200)#USBROOT(0)#USB(2)

## [Port3] : No Device Connected

---

## [Port4] : No Device Connected

---

## [Port5] : No Device Connected

---

## ATI/AMD SP5100 (SB700/SB800) - USB 2.0 EHCI Controller

---

### [General Information]

<b>Device Name:</b>	<b>ATI/AMD SP5100 (SB700/SB800) - USB 2.0 EHCI Controller</b>
<b>Original Device Name:</b>	<b>ATI/AMD SP5100 (SB700/SB800) - USB 2.0 EHCI Controller</b>
<b>Device Class:</b>	<b>USB EHCI Controller</b>
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	0:18:2
PCI Latency Timer:	64
Hardware ID:	PCI\VEN_1002&DEV_4396&SUBSYS_43961002&REV_00

**[System Resources]**

Interrupt Line:	IRQ17
Interrupt Pin:	INTB#
Memory Base Address 0	FE5FA400

**[Features]**

Bus Mastering:	Enabled
Running At 66 MHz:	Capable
Fast Back-to-Back Transactions:	Capable

USB Version Supported:	2.0
------------------------	-----

**[Driver Information]**

Driver Manufacturer:	(Standard-USB-Hostcontroller)
Driver Description:	Standard PCI-zu-USB erweiterter Hostcontroller
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_1002&DEV_4396&SUBSYS_43961002&REV_00 \3&267A616A&0&92
Location Paths	PCIROOT(0)#PCI(1202)

**USB Root Hub**

---

**[Port1] : No Device Connected**

---

**[Port2] : No Device Connected**

---

**[Port3] : No Device Connected**

---

**[Port4] : No Device Connected**

---

**[Port5] : USB-Massenspeichergerät**

---

**[Device Information]**

Device Manufacturer:	JMicron
Product Name:	USB to ATA/ATAPI bridge
Serial Number:	259B805910FF
USB Version Supported:	2.00
USB Device Speed:	USB 2.0 High-speed
Driver Description:	USB-Massenspeichergerät
Hardware ID:	USB\VID_152D&PID_2329

**[Driver Information]**

Driver Manufacturer:	Kompatibles USB-Speichergerät
Driver Description:	USB-Massenspeichergerät
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_152D&PID_2329\259B805910FF
Location Paths	PCIROOT(0)#PCI(1202)#USBROOT(0)#USB(5)

## **ATI/AMD SP5100 (SB700/SB800) - USB OHCI Controller**

---

**[General Information]**

<b>Device Name:</b>	<b>ATI/AMD SP5100 (SB700/SB800) - USB OHCI Controller</b>
<b>Original Device Name:</b>	<b>ATI/AMD SP5100 (SB700/SB800) - USB OHCI Controller</b>
<b>Device Class:</b>	<b>USB OHCI Controller</b>
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	0:19:0
PCI Latency Timer:	64
Hardware ID:	PCI\VEN_1002&DEV_4397&SUBSYS_43971002&REV_00

**[System Resources]**

Interrupt Line:	IRQ18
Interrupt Pin:	INTA#
Memory Base Address 0	FE5F8000

**[Features]**

Bus Mastering:	Enabled
Running At 66 MHz:	Capable
Fast Back-to-Back Transactions:	Capable
USB Version Supported:	1.0

**[Driver Information]**

Driver Manufacturer:	(Standard-USB-Hostcontroller)
Driver Description:	Standard OpenHCD USB-Hostcontroller
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	21-Jun-2006

DeviceInstanceId	PCI\VEN_1002&DEV_4397&SUBSYS_43971002&REV_00 \3&267A616A&0&98
Location Paths	PCIROOT(0)#PCI(1300)

## USB Root Hub

---

**[Port1] : No Device Connected**

---

**[Port2] : No Device Connected**

---

**[Port3] : No Device Connected**

---

**[Port4] : No Device Connected**

---

**[Port5] : No Device Connected**

---

## ATI/AMD SP5100 (SB700/SB800) - USB 2.0 EHCI Controller

---

### [General Information]

<b>Device Name:</b>	<b>ATI/AMD SP5100 (SB700/SB800) - USB 2.0 EHCI Controller</b>
<b>Original Device Name:</b>	<b>ATI/AMD SP5100 (SB700/SB800) - USB 2.0 EHCI Controller</b>
<b>Device Class:</b>	<b>USB EHCI Controller</b>
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	0:19:2
PCI Latency Timer:	64
Hardware ID:	PCI\VEN_1002&DEV_4396&SUBSYS_43961002&REV_00

### [System Resources]

Interrupt Line:	IRQ17
Interrupt Pin:	INTB#
Memory Base Address 0	FE5FA800

**[Features]**

Bus Mastering:	Enabled
Running At 66 MHz:	Capable
Fast Back-to-Back Transactions:	Capable

USB Version Supported:	2.0
------------------------	-----

**[Driver Information]**

Driver Manufacturer:	(Standard-USB-Hostcontroller)
Driver Description:	Standard PCI-zu-USB erweiterter Hostcontroller
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_1002&DEV_4396&SUBSYS_43961002&REV_00 \3&267A616A&0&9A
Location Paths	PCIROOT(0)#PCI(1302)

**USB Root Hub**

---

**[Port1] : No Device Connected**

---

**[Port2] : No Device Connected**

---

**[Port3] : No Device Connected**

---

**[Port4] : No Device Connected**

---

**[Port5] : USB-Massenspeichergerät**

---

**[Device Information]**

Device Manufacturer:	SKYMEDI
Product Name:	SK6226
Serial Number:	07DE10001195484
USB Version Supported:	2.00
USB Device Speed:	USB 2.0 High-speed
Driver Description:	USB-Massenspeichergerät
Hardware ID:	USB\VID_1516&PID_6226

**[Driver Information]**

Driver Manufacturer:	Kompatibles USB-Speichergerät
Driver Description:	USB-Massenspeichergerät
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_1516&PID_6226\07DE10001195484
Location Paths	PCIROOT(0)#PCI(1302)#USBROOT(0)#USB(5)

## **ATI/AMD SB800/Hudson-1 - SMBus and ACPI Controller**

---

**[General Information]**

<b>Device Name:</b>	<b>ATI/AMD SB800/Hudson-1 - SMBus and ACPI Controller</b>
<b>Original Device Name:</b>	<b>ATI/AMD SB800/Hudson-1 - SMBus and ACPI Controller</b>
<b>Device Class:</b>	<b>SMBus (System Management Bus)</b>
Revision ID:	42
PCI Address (Bus:Device:Function) Number:	0:20:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_1002&DEV_4385&SUBSYS_00000000&REV_42

**[System Resources]**

Interrupt Line:	N/A
Interrupt Pin:	N/A

**[Features]**

Bus Mastering:	Disabled
Running At 66 MHz:	Capable
Fast Back-to-Back Transactions:	Not Capable

**[Driver Information]**

Driver Manufacturer:	Advanced Micro Devices, Inc
Driver Description:	AMD SMBus
Driver Provider:	Advanced Micro Devices, Inc
Driver Version:	5.12.0.38
Driver Date:	17-Apr-2018
DeviceInstanceId	PCI\VEN_1002&DEV_4385&SUBSYS_00000000&REV_42 \3&267A616A&0&A0
Location Paths	PCIROOT(0)#PCI(1400)

## ATI/AMD SB800 - IDE Controller

---

### [General Information]

<b>Device Name:</b>	<b>ATI/AMD SB800 - IDE Controller</b>
<b>Original Device Name:</b>	<b>ATI/AMD SB800 - IDE Controller</b>
<b>Device Class:</b>	<b>IDE Controller</b>
Revision ID:	40
PCI Address (Bus:Device:Function) Number:	0:20:1
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_1002&DEV_439C&SUBSYS_439C1002&REV_40

### [System Resources]

Interrupt Line:	N/A
Interrupt Pin:	INTB#
I/O Base Address 0	0
I/O Base Address 1	0
I/O Base Address 2	0
I/O Base Address 3	0
I/O Base Address 4	FF00

### [Features]

Bus Mastering:	Enabled
Running At 66 MHz:	Capable
Fast Back-to-Back Transactions:	Not Capable

### [Driver Information]

Driver Manufacturer:	Advanced Micro Devices
Driver Description:	AMD PCI IDE Controller
Driver Provider:	Advanced Micro Devices
Driver Version:	5.2.2.179
Driver Date:	28-Jun-2013
DeviceInstanceId	PCI\VEN_1002&DEV_439C&SUBSYS_439C1002&REV_40 \3&267A616A&0&A1
Location Paths	PCIROOT(0)#PCI(1401)

## ATI/AMD SB800/Hudson-1 - High Definition Audio Controller

---

### [General Information]

<b>Device Name:</b>	<b>ATI/AMD SB800/Hudson-1 - High Definition Audio Controller</b>
<b>Original Device Name:</b>	<b>ATI/AMD SB800/Hudson-1 - High Definition Audio Controller</b>
<b>Device Class:</b>	<b>High Definition Audio</b>
Revision ID:	40
PCI Address (Bus:Device:Function) Number:	0:20:2
PCI Latency Timer:	64
Hardware ID:	PCI\VEN_1002&DEV_4383&SUBSYS_43831002&REV_40

### [System Resources]

Interrupt Line:	IRQ16
-----------------	-------



Interrupt Pin:	INTA#
Memory Base Address 0	FE5F4000

**[Features]**

Bus Mastering:	Enabled
Running At 66 MHz:	Not Capable
Fast Back-to-Back Transactions:	Not Capable

**[Driver Information]**

Driver Manufacturer:	Microsoft
Driver Description:	High Definition Audio-Controller
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	14-Sep-2018
DeviceInstanceId	PCI\VEN_1002&DEV_4383&SUBSYS_43831002&REV_40 \3&267A616A&0&A2
Location Paths	PCIROOT(0)#PCI(1402)

## ATI/AMD SB800/Hudson-1 - LPC Bridge

---

**[General Information]**

<b>Device Name:</b>	<b>ATI/AMD SB800/Hudson-1 - LPC Bridge</b>
<b>Original Device Name:</b>	<b>ATI/AMD SB800/Hudson-1 - LPC Bridge</b>
<b>Device Class:</b>	<b>PCI-to-ISA Bridge</b>
Revision ID:	40
PCI Address (Bus:Device:Function) Number:	0:20:3
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_1002&DEV_439D&SUBSYS_439D1002&REV_40

**[System Resources]**

Interrupt Line:	N/A
Interrupt Pin:	N/A

**[Features]**

Bus Mastering:	Enabled
Running At 66 MHz:	Capable
Fast Back-to-Back Transactions:	Not Capable

**[Driver Information]**

Driver Manufacturer:	(Standardsystemgeräte)
Driver Description:	PCI Standard-ISA-Brücke
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_1002&DEV_439D&SUBSYS_439D1002&REV_40 \3&267A616A&0&A3
Location Paths	PCIROOT(0)#PCI(1403)

## ATI/AMD SB800/Hudson-1 - PCI-to-PCI Host Bridge

---

**[General Information]**

<b>Device Name:</b>	<b>ATI/AMD SB800/Hudson-1 - PCI-to-PCI Host Bridge</b>
<b>Original Device Name:</b>	<b>ATI/AMD SB800/Hudson-1 - PCI-to-PCI Host Bridge</b>
<b>Device Class:</b>	<b>PCI-to-PCI Bridge</b>
Revision ID:	40
PCI Address (Bus:Device:Function) Number:	0:20:4
PCI Latency Timer:	64
Hardware ID:	PCI\VEN_1002&DEV_4384&SUBSYS_00000000&REV_40

**[System Resources]**

Interrupt Line:	N/A
Interrupt Pin:	N/A

**[Features]**

Bus Mastering:	Enabled
Running At 66 MHz:	Capable
Fast Back-to-Back Transactions:	Capable

**[Driver Information]**

Driver Manufacturer:	(Standardsystemgeräte)
Driver Description:	PCI-zu-PCI-Brücke
Driver Provider:	Microsoft
Driver Version:	10.0.17763.404
Driver Date:	21-Jun-2006
DeviceInstanceID	PCI\VEN_1002&DEV_4384&SUBSYS_00000000&REV_40 \3&267A616A&0&A4
Location Paths	PCIROOT(0)#PCI(1404)

## PCI Bus #2

---

## VIA VT6306 Fire II IEEE 1394 Host Controller

---

**[General Information]**

<b>Device Name:</b>	<b>VIA VT6306 Fire II IEEE 1394 Host Controller</b>
<b>Original Device Name:</b>	<b>VIA VT6306 Fire II IEEE 1394 Host Controller</b>
<b>Device Class:</b>	<b>Firewire (IEEE 1394) Serial Bus</b>
Revision ID:	C0
PCI Address (Bus:Device:Function) Number:	2:8:0
PCI Latency Timer:	64
Hardware ID:	PCI\VEN_1106&DEV_3044&SUBSYS_81FE1043&REV_C0

**[System Resources]**

Interrupt Line:	IRQ20
Interrupt Pin:	INTA#
Memory Base Address 0	FE6FF800
I/O Base Address 1	CC00

**[Features]**

Bus Mastering:	Enabled
Running At 66 MHz:	Not Capable
Fast Back-to-Back Transactions:	Not Capable

**[Driver Information]**

Driver Manufacturer:	VIA
Driver Description:	OHCI-konformer VIA 1394-Hostcontroller
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_1106&DEV_3044&SUBSYS_81FE1043&REV_C0 \4&2B4059EA&0&40A4
Location Paths	PCIROOT(0)#PCI(1404)#PCI(0800)

**ATI/AMD SP5100 (SB700/SB800) - USB OHCI Controller**

---

**[General Information]**

<b>Device Name:</b>	<b>ATI/AMD SP5100 (SB700/SB800) - USB OHCI Controller</b>
<b>Original Device Name:</b>	<b>ATI/AMD SP5100 (SB700/SB800) - USB OHCI Controller</b>
<b>Device Class:</b>	<b>USB OHCI Controller</b>
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	0:20:5
PCI Latency Timer:	64
Hardware ID:	PCI\VEN_1002&DEV_4399&SUBSYS_43991002&REV_00

**[System Resources]**

Interrupt Line:	IRQ18
Interrupt Pin:	INTC#
Memory Base Address 0	FE5F9000

**[Features]**

Bus Mastering:	Enabled
Running At 66 MHz:	Capable
Fast Back-to-Back Transactions:	Capable

USB Version Supported:	1.0
------------------------	-----

**[Driver Information]**

Driver Manufacturer:	(Standard-USB-Hostcontroller)
Driver Description:	Standard OpenHCD USB-Hostcontroller
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_1002&DEV_4399&SUBSYS_43991002&REV_00 \3&267A616A&0&A5
Location Paths	PCIROOT(0)#PCI(1405)

**USB Root Hub**

---

## [Port1] : No Device Connected

---

## [Port2] : No Device Connected

---

---

## ATI/AMD SB800/Hudson-1 - PCI Express Port 0

---

### [General Information]

<b>Device Name:</b>	<b>ATI/AMD SB800/Hudson-1 - PCI Express Port 0</b>
<b>Original Device Name:</b>	<b>ATI/AMD SB800/Hudson-1 - PCI Express Port 0</b>
<b>Device Class:</b>	<b>PCI-to-PCI Bridge</b>
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	0:21:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_1002&DEV_43A0&SUBSYS_00000000&REV_00

### [PCI Express]

Version:	2.0
Maximum Link Width:	1x
Current Link Width:	1x
Maximum Link Speed:	5.0 GT/s
Current Link Speed:	2.5 GT/s
Device/Port Type:	Root Port of PCI Express Root Complex
Slot Implemented:	Yes
Hot-Plug:	Not Capable
Hot-Plug Surprise:	Not Capable
Slot Power Limit:	10.000 W
Emergency Power Reduction:	Not Supported
Active State Power Management (ASPM) Support:	L0s and L1
Active State Power Management (ASPM) Status:	Disabled
L0s Exit Latency:	< 64 ns
L1 Exit Latency:	< 1 us
Maximum Payload Size Supported:	128 bytes
Maximum Payload Size:	128 bytes

### [System Resources]

Interrupt Line:	N/A
Interrupt Pin:	INTA#

**[Features]**

Bus Mastering:	Enabled
Running At 66 MHz:	Not Capable
Fast Back-to-Back Transactions:	Not Capable

**[Driver Information]**

Driver Manufacturer:	(Standardsystemgeräte)
Driver Description:	PCI Express-Stammport
Driver Provider:	Microsoft
Driver Version:	10.0.17763.404
Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_1002&DEV_43A0&SUBSYS_00001002&REV_00 \3&267A616A&0&A8
Location Paths	PCIROOT(0)#PCI(1500)

**PCI Express x1 Bus #1**

---

**RealTek Semiconductor RTL8168/8111 PCI-E Gigabit Ethernet NIC**

---

**[General Information]**

<b>Device Name:</b>	<b>RealTek Semiconductor RTL8168/8111 PCI-E Gigabit Ethernet NIC</b>
<b>Original Device Name:</b>	<b>RealTek Semiconductor RTL8168/8111 PCI-E Gigabit Ethernet NIC</b>
<b>Device Class:</b>	<b>Ethernet Adapter</b>
Revision ID:	6
PCI Address (Bus:Device:Function) Number:	1:0:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_10EC&DEV_8168&SUBSYS_84321043&REV_06

**[PCI Express]**

Version:	1.1
Maximum Link Width:	1x
Current Link Width:	1x
Maximum Link Speed:	2.5 GT/s
Current Link Speed:	2.5 GT/s
Device/Port Type:	PCI Express Endpoint
Slot Implemented:	No
Emergency Power Reduction:	Not Supported
Active State Power Management (ASPM) Support:	L0s and L1
Active State Power Management (ASPM) Status:	Disabled
L0s Exit Latency:	256 - 512 ns
L1 Exit Latency:	32 - 64 us
Maximum Payload Size Supported:	256 bytes
Maximum Payload Size:	128 bytes

**[System Resources]**

Interrupt Line:	N/A
Interrupt Pin:	INTA#
I/O Base Address 0	B800
Memory Base Address 2	CFFF000
Memory Base Address 4	CFFF8000

**[Features]**

Bus Mastering:	Enabled
Running At 66 MHz:	Not Capable
Fast Back-to-Back Transactions:	Not Capable

**[Driver Information]**

Driver Manufacturer:	Realtek
Driver Description:	Realtek PCIe GbE Family Controller
Driver Provider:	Realtek
Driver Version:	10.32.1206.2018
Driver Date:	06-Dec-2018
DeviceInstanceId	PCI\VEN_10EC&DEV_8168&SUBSYS_84321043&REV_06 \01000000684CE00000
Location Paths	PCIROOT(0)#PCI(1500)#PCI(0000)

## **ATI/AMD SP5100 (SB700/SB800) - USB OHCI Controller**

---

**[General Information]**

<b>Device Name:</b>	<b>ATI/AMD SP5100 (SB700/SB800) - USB OHCI Controller</b>
<b>Original Device Name:</b>	<b>ATI/AMD SP5100 (SB700/SB800) - USB OHCI Controller</b>
<b>Device Class:</b>	<b>USB OHCI Controller</b>
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	0:22:0
PCI Latency Timer:	64
Hardware ID:	PCI\VEN_1002&DEV_4397&SUBSYS_43971002&REV_00

**[System Resources]**

Interrupt Line:	IRQ18
Interrupt Pin:	INTA#
Memory Base Address 0	FE5FB000

**[Features]**

Bus Mastering:	Enabled
Running At 66 MHz:	Capable
Fast Back-to-Back Transactions:	Capable

USB Version Supported:	1.0
------------------------	-----

**[Driver Information]**

Driver Manufacturer:	(Standard-USB-Hostcontroller)
Driver Description:	Standard OpenHCD USB-Hostcontroller
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1

Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_1002&DEV_4397&SUBSYS_43971002&REV_00 \3&267A616A&0&B0
Location Paths	PCIROOT(0)#PCI(1600)

## USB Root Hub

---

### [Port1] : No Device Connected

---

### [Port2] : No Device Connected

---

### [Port3] : USB-Eingabegerät

---

#### [Device Information]

Device Manufacturer:	PIXART
Product Name:	USB OPTICAL MOUSE
Serial Number:	N/A
USB Version Supported:	1.10
USB Device Speed:	USB 1.1 Low-speed
Driver Description:	USB-Eingabegerät
Hardware ID:	USB\VID_093A&PID_2510

#### [Driver Information]

Driver Manufacturer:	(Standardsystemgeräte)
Driver Description:	USB-Eingabegerät
Driver Provider:	Microsoft
Driver Version:	10.0.17763.379
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_093A&PID_2510\5&15D9C317&0&3
Location Paths	PCIROOT(0)#PCI(1600)#USBROOT(0)#USB(3)

### [Port4] : No Device Connected

---

## ATI/AMD SP5100 (SB700/SB800) - USB 2.0 EHCI Controller

---

**[General Information]**

<b>Device Name:</b>	<b>ATI/AMD SP5100 (SB700/SB800) - USB 2.0 EHCI Controller</b>
<b>Original Device Name:</b>	<b>ATI/AMD SP5100 (SB700/SB800) - USB 2.0 EHCI Controller</b>
<b>Device Class:</b>	<b>USB EHCI Controller</b>
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	0:22:2
PCI Latency Timer:	64
Hardware ID:	PCI\VEN_1002&DEV_4396&SUBSYS_43961002&REV_00

**[System Resources]**

Interrupt Line:	IRQ17
Interrupt Pin:	INTB#
Memory Base Address 0	FE5FAC00

**[Features]**

Bus Mastering:	Enabled
Running At 66 MHz:	Capable
Fast Back-to-Back Transactions:	Capable

USB Version Supported:	2.0
------------------------	-----

**[Driver Information]**

Driver Manufacturer:	(Standard-USB-Hostcontroller)
Driver Description:	Standard PCI-zu-USB erweiterter Hostcontroller
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_1002&DEV_4396&SUBSYS_43961002&REV_00 \3&267A616A&0&B2
Location Paths	PCIROOT(0)#PCI(1602)

**USB Root Hub**

---

**[Port1] : No Device Connected**

---

**[Port2] : Alcor Micro USB 2.0 Card Reader**

---

**[Device Information]**

Device Manufacturer:	Generic
Product Name:	Mass Storage Device
Serial Number:	058F63626476



USB Version Supported:	2.00
USB Device Speed:	USB 2.0 High-speed
Driver Description:	Alcor Micro USB 2.0 Card Reader
Hardware ID:	USB\VID_058F&PID_6362

**[Driver Information]**

Driver Manufacturer:	Alcor Micro, Corp.
Driver Description:	Alcor Micro USB 2.0 Card Reader
Driver Provider:	Alcor Micro, Corp.
Driver Version:	2.0.149.10100
Driver Date:	26-Apr-2018
DeviceInstanceId	USB\VID_058F&PID_6362\058F63626476
Location Paths	PCIROOT(0)#PCI(1602)#USBROOT(0)#USB(2)

**[Port3] : No Device Connected**

---

**[Port4] : No Device Connected**

---

**AMD Family 10h CPU - HyperTransport Technology Configuration**

---

**[General Information]**

<b>Device Name:</b>	<b>AMD Family 10h CPU - HyperTransport Technology Configuration</b>
<b>Original Device Name:</b>	<b>AMD Family 10h CPU - HyperTransport Technology Configuration</b>
<b>Device Class:</b>	<b>Host-to-PCI Bridge</b>
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	0:24:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_1022&DEV_1200&SUBSYS_00000000&REV_00

**[System Resources]**

Interrupt Line:	N/A
Interrupt Pin:	N/A

**[Features]**

Bus Mastering:	Disabled
Running At 66 MHz:	Not Capable
Fast Back-to-Back Transactions:	Not Capable

**[Driver Information]**

Driver Manufacturer:	(Standardsystemgeräte)
Driver Description:	PCI Standard-Host-CPU-Brücke
Driver Provider:	Microsoft

Driver Version:	10.0.17763.1
Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_1022&DEV_1200&SUBSYS_00000000&REV_00 \3&267A616A&0&C0
Location Paths	PCIROOT(0)#PCI(1800)

## AMD Family 10h CPU - Address Map

---

### [General Information]

<b>Device Name:</b>	<b>AMD Family 10h CPU - Address Map</b>
<b>Original Device Name:</b>	<b>AMD Family 10h CPU - Address Map</b>
<b>Device Class:</b>	<b>Host-to-PCI Bridge</b>
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	0:24:1
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_1022&DEV_1201&SUBSYS_00000000&REV_00

### [System Resources]

Interrupt Line:	N/A
Interrupt Pin:	N/A

### [Features]

Bus Mastering:	Disabled
Running At 66 MHz:	Not Capable
Fast Back-to-Back Transactions:	Not Capable

### [Driver Information]

Driver Manufacturer:	(Standardsystemgeräte)
Driver Description:	PCI Standard-Host-CPU-Brücke
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_1022&DEV_1201&SUBSYS_00000000&REV_00 \3&267A616A&0&C1
Location Paths	PCIROOT(0)#PCI(1801)

## AMD Family 10h CPU - DRAM Controller

---

### [General Information]

<b>Device Name:</b>	<b>AMD Family 10h CPU - DRAM Controller</b>
<b>Original Device Name:</b>	<b>AMD Family 10h CPU - DRAM Controller</b>
<b>Device Class:</b>	<b>Host-to-PCI Bridge</b>
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	0:24:2
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_1022&DEV_1202&SUBSYS_00000000&REV_00

### [System Resources]

Interrupt Line:	N/A
-----------------	-----

Interrupt Pin: N/A

### [Features]

Bus Mastering: Disabled  
Running At 66 MHz: Not Capable  
Fast Back-to-Back Transactions: Not Capable

### [Driver Information]

Driver Manufacturer: (Standardsystemgeräte)  
Driver Description: PCI Standard-Host-CPU-Brücke  
Driver Provider: Microsoft  
Driver Version: 10.0.17763.1  
Driver Date: 21-Jun-2006  
DeviceInstanceId: PCI\VEN\_1022&DEV\_1202&SUBSYS\_00000000&REV\_00  
\3&267A616A&0&C2  
Location Paths: PCIROOT(0)#PCI(1802)

## AMD Family 10h CPU - Miscellaneous Control

---

### [General Information]

Device Name: **AMD Family 10h CPU - Miscellaneous Control**  
Original Device Name: **AMD Family 10h CPU - Miscellaneous Control**  
Device Class: **Host-to-PCI Bridge**  
Revision ID: 0  
PCI Address (Bus:Device:Function) Number: 0:24:3  
PCI Latency Timer: 0  
Hardware ID: PCI\VEN\_1022&DEV\_1203&SUBSYS\_00000000&REV\_00

### [System Resources]

Interrupt Line: N/A  
Interrupt Pin: N/A

### [Features]

Bus Mastering: Disabled  
Running At 66 MHz: Not Capable  
Fast Back-to-Back Transactions: Not Capable

### [Driver Information]

Driver Manufacturer: (Standardsystemgeräte)  
Driver Description: PCI Standard-Host-CPU-Brücke  
Driver Provider: Microsoft  
Driver Version: 10.0.17763.1  
Driver Date: 21-Jun-2006  
DeviceInstanceId: PCI\VEN\_1022&DEV\_1203&SUBSYS\_00000000&REV\_00  
\3&267A616A&0&C3  
Location Paths: PCIROOT(0)#PCI(1803)

### [Northbridge Capabilities]

Internal Node Number: Node0  
Multi-Node Capability: Not Capable  
L3 Cache: Not Present  
Link3 Unganging: Not Enabled

Link2 Unganging:	Not Enabled
Link1 Unganging:	Not Enabled
Link0 Unganging:	Not Enabled
Multi-Processor Capability:	1 CPU
Multiple VID Plane Capability:	Capable
Multi-Core Capability:	Quad-Core
Link Error-Retry:	Capable
Hardware Thermal Control (HTC):	Capable
SVM:	Capable
On-chip Memory Controller:	Present
Maximum DRAM Frequency:	667 MHz
Chip-Kill ECC:	Capable
ECC:	Capable
Eight-Node Multi-Processor (Big-MP):	Not Capable
Dual-Node Multi-Processor (MP):	Not Capable
Dual-Channel (128-Bit) DRAM:	Capable

## AMD Family 10h CPU - Link Control

---

### [General Information]

<b>Device Name:</b>	<b>AMD Family 10h CPU - Link Control</b>
<b>Original Device Name:</b>	<b>AMD Family 10h CPU - Link Control</b>
<b>Device Class:</b>	<b>Host-to-PCI Bridge</b>
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	0:24:4
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_1022&DEV_1204&SUBSYS_00000000&REV_00

### [System Resources]

Interrupt Line:	N/A
Interrupt Pin:	N/A

### [Features]

Bus Mastering:	Disabled
Running At 66 MHz:	Not Capable
Fast Back-to-Back Transactions:	Not Capable

### [Driver Information]

Driver Manufacturer:	(Standardsystemgeräte)
Driver Description:	PCI Standard-Host-CPU-Brücke
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_1022&DEV_1204&SUBSYS_00000000&REV_00 \3&267A616A&0&C4
Location Paths	PCIROOT(0)#PCI(1804)

## Video Adapter

---

## AMD Mobility Radeon HD 5430/5450/62x0

---

### [Video chipset]

<b>Video Chipset:</b>	<b>AMD Mobility Radeon HD 5430/5450/62x0</b>
<b>Video Chipset Codename:</b>	<b>PARK LP GL</b>
Video Memory:	1024 MBytes of DDR3 SDRAM

### [Video Card]

<b>Video Card:</b>	<b>AMD Mobility Radeon HD 5430/5450/62x0 (PARK LP GL) [Hightech]</b>
Video Bus:	PCIe v2.0 x16 (5.0 GT/s) @ x16 (5.0 GT/s)
Video RAMDAC:	Internal DAC(400MHz)
Video BIOS Version:	012.020.000.052

### [Performance]

Processor Clock:	157.0 MHz
Memory Clock:	200.0 MHz (Effective 399.9 MHz)
Memory Bus Width:	64-bit
Number Of ROPs:	8
Number Of Unified Shaders:	80
Number Of TMUs (Texture Mapping Units):	8
ASIC Quality:	1.6 %
Hardware ID:	PCI\VEN_1002&DEV_68E1&SUBSYS_30001787&REV_00
PCI Location (Bus:Dev:Fnc):	5:00:0

### [Driver Information]

Driver Manufacturer:	Advanced Micro Devices, Inc.
Driver Description:	ATI Radeon HD 5400 Series
Driver Provider:	Advanced Micro Devices, Inc.
Driver Version:	15.201.1151.1008 (Catalyst 15.11)
AMD Driver Package Version:	15.201.1151.1008-151104a-296217E
Driver Date:	04-Nov-2015
DCH/UWD Driver:	Not Capable
DeviceInstanceId	PCI\VEN_1002&DEV_68E1&SUBSYS_30001787&REV_00 \4&7E682FB&0&0010
Location Paths	PCIROOT(0)#PCI(0200)#PCI(0000)

## Monitor

---

## MEDION [Unknown Model: MED3610]

---

**[General information]**

<b>Monitor Name:</b>	<b>MEDION [Unknown Model: MED3610]</b>
<b>Monitor Name (Manuf):</b>	<b>MD 20094</b>
Serial Number:	16843009
Date Of Manufacture:	Week: 38, Year: 2009
Monitor Hardware ID:	Monitor\MED3610
Max. Vertical Size:	34 cm
Max. Horizontal Size:	55 cm
Horizontal Frequency:	29 - 81 kHz
Vertical Frequency:	55 - 76 Hz
Maximum Pixel Clock:	170 MHz

**[Advanced parameters]**

Input Signal:	Digital
Digital Video Interface Standard Supported:	DVI
Gamma Factor:	2.20

**[DPMS Modes]**

Standby:	Not Supported
Suspend:	Not Supported
Active Off:	Supported
Standard Colour Space (sRGB) Default:	Not Supported
Preferred Timing Mode:	Supported
Default GTF (Continuous Frequency):	Not Supported
DFP 1.x Compatible:	Yes

**[Supported Video Modes]**

1680 x 1050	60 Hz
1600 x 1200	60 Hz
1440 x 900	60 Hz
1280 x 1024	60 Hz
1024 x 768	60 Hz
640 x 400	60 Hz
1920 x 1200	550 x 344 mm, Pixel Clock 154.00 MHz
1920 x 1080	550 x 344 mm, Pixel Clock 138.50 MHz

**Drives**

---

**(S)ATA/ATAPI Drives**

---

**WDC WD5000AAVS-00ZTB0**

---

**[General Information]**

Drive Controller:	Serial ATA 3Gb/s
<b>Drive Model:</b>	<b>WDC WD5000AAVS-00ZTB0</b>
Drive Firmware Revision:	01.01B01
Drive Serial Number:	WD-WCASU5593434
World Wide Name:	50014EE1138B7D9
<b>Drive Capacity:</b>	<b>476,940 MBytes (500 GB)</b>
<b>Drive Capacity [MB]:</b>	<b>476940</b>
ATA Major Version Supported:	ATA/ATAPI-5, ATA/ATAPI-6, ATA/ATAPI-7, ATA8-ACS
ATA Transport Version Supported:	SATA 2.5

### [Drive Geometry]

Number of Cylinders:	16383
Number of Heads:	16
Sectors Per Track:	63
Number Of ECC Bytes:	50
Number of Sectors:	16514064
Total 32-bit LBA Sectors:	268435455
Total 48-bit LBA Sectors:	976773168
Logical Sector Size:	512 Bytes
Cache Buffer Size:	8192 KBytes

### [Transfer Modes]

Sectors Per Interrupt:	Total: 16, Active: 16
Max. PIO Transfer Mode:	4
Multiword DMA Mode:	Total: 2, Active: 2
Singleword DMA Mode:	Total: -, Active: -
Ultra-DMA Mode:	Total: 6 (ATA-133), Inactive
Max. Multiword DMA Transfer Rate:	16.7 MBytes/s
Max. PIO with IORDY Transfer Rate:	16.7 MBytes/s
Max. PIO w/o IORDY Transfer Rate:	16.7 MBytes/s
Transfer Width:	16-bit
Native Command Queuing:	Supported, Max. Depth: 32
TRIM Command:	Not Supported

### [Device flags]

Fixed Drive:	Present
Removable Drive:	Not Present
Magnetic Storage:	Present
LBA Mode:	Supported
DMA Mode:	Supported
IORDY:	Supported
IORDY Disableable:	Supported

### [Features]

Write Cache:	Present, Active
S.M.A.R.T. Feature:	Present, Active
Security Feature:	Present, Inactive
Removable Media Feature:	Not Present, Disabled
Power Management:	Present, Active
Advanced Power Management:	Not Present, Inactive
Packet Interface:	Not Present, Disabled
Look-Ahead Buffer:	Present, Active
Host Protected Area:	Present, Enabled
Power-Up In Standby:	Supported, Inactive
Automatic Acoustic Management:	Supported, Inactive

48-bit LBA:	Supported, Active
Host-Initiated Link Power Management:	Supported
Device-Initiated Link Power Management:	Not Supported
In-Order Data Delivery:	Not Supported
Hardware Feature Control:	Not Supported
Software Settings Preservation:	Supported, Enabled
NCQ Autosense:	Not Supported
Link Power State Device Sleep:	Not Supported
Hybrid Information Feature:	Not Supported
Rebuild Assist:	Not Supported
Power Disable:	Not Supported
All Write Cache Non-Volatile:	Not Supported
Extended Number of User Addressable Sectors:	Not Supported
CFast Specification:	Not Supported
NCQ Priority Information:	Not Supported
Host Automatic Partial to Slumber Transitions:	Not Supported
Device Automatic Partial to Slumber Transitions:	Not Supported
NCQ Streaming:	Not Supported
NCQ Queue Management Command:	Not Supported
DevSleep to Reduced Power State:	Not Supported
Extended Power Conditions Feature:	Not Supported
Sense Data Reporting Feature:	Not Supported
Free-Fall Control Feature:	Not Supported
Write-Read-Verify Feature:	Not Supported

### **[Security]**

Security Feature:	Supported
Security Status:	Disabled
Security Locked:	Disabled
Security Frozen:	Enabled
Enhanced Security Erase:	Supported
Sanitize Feature:	Not Supported
Sanitize Device - Crypto Scramble:	Not Supported
Sanitize Device - Overwrite:	Not Supported
Sanitize Device - Block Erase:	Not Supported
Sanitize Device - Antifreeze Lock:	Not Supported
Device Encrypts All User Data:	Not Supported
Trusted Computing:	Not Supported

### **[Self-Monitoring, Analysis and Reporting Technology (S.M.A.R.T.)]**

[01] Raw Read Error Rate:	200/51, Worst: 200
[03] Spin Up Time:	160/21, Worst: 152 (Data = 5000,0)
[04] Start/Stop Count:	95/Always OK, Worst: 95 (Data = 5249,0)
[05] Reallocated Sector Count:	200/140, Worst: 200
[07] Seek Error Rate:	200/51, Worst: 200
[09] Power-On Hours/Cycle Count:	96/Always OK, Worst: 96 (3269 hours / 136.2 days)
[0A] Spin Retry Count:	100/51, Worst: 100
[0B] Calibration Retry Count:	100/51, Worst: 100
[0C] Power Cycle Count:	96/Always OK, Worst: 96 (Data = 4727,0)
[C0] Power-Off Retract Count:	200/Always OK, Worst: 200 (Data = 703,0)
[C1] Load/Unload Cycle Count:	184/Always OK, Worst: 184 (Data = 50852,0)
[C2] Temperature	116/Always OK, Worst: 97 (31.0 °C)
[C4] Reallocation Event Count:	200/Always OK, Worst: 200
[C5] Current Pending Sector Count:	200/Always OK, Worst: 200
[C6] Off-Line Uncorrectable Sector Count:	200/Always OK, Worst: 200
[C7] UltraDMA/SATA CRC Error Rate:	200/Always OK, Worst: 200 (Data = 336789,0)



[C8] Write/Multi-Zone Error Rate:

200/51, Worst: 200

## SAMSUNG HD105SI

---

### [General Information]

Drive Controller:	Serial ATA 3Gb/s <-> USB
<b>Drive Model:</b>	<b>SAMSUNG HD105SI</b>
Drive Firmware Revision:	1AJ10001
Drive Serial Number:	S25GJ9BZ805910
World Wide Name:	50024E923461C3B
<b>Drive Capacity:</b>	<b>953,869 MBytes (1000 GB)</b>
<b>Drive Capacity [MB]:</b>	<b>953869</b>
<b>Media Rotation Rate:</b>	<b>5400 RPM</b>
Nominal Form Factor:	3.5"
ATA Major Version Supported:	ATA/ATAPI-5, ATA/ATAPI-6, ATA/ATAPI-7, ATA8-ACS
ATA Minor Version Supported:	ATA8-ACS version 6
ATA Transport Version Supported:	SATA 2.6

### [Drive Geometry]

Number of Cylinders:	16383
Number of Heads:	16
Sectors Per Track:	63
Number Of ECC Bytes:	80
Number of Sectors:	16514064
Total 32-bit LBA Sectors:	268435455
Total 48-bit LBA Sectors:	1953525168
Logical Sector Size:	512 Bytes
Cache Buffer Size:	32768 KBytes

### [Transfer Modes]

Sectors Per Interrupt:	Total: 16
Max. PIO Transfer Mode:	4
Multiword DMA Mode:	Total: 2, Active: -
Singleword DMA Mode:	Total: -, Active: -
Ultra-DMA Mode:	Total: 6 (ATA-133), Active: 6 (ATA-133)
Max. Multiword DMA Transfer Rate:	16.7 MBytes/s
Max. PIO with IORDY Transfer Rate:	16.7 MBytes/s
Max. PIO w/o IORDY Transfer Rate:	16.7 MBytes/s
Native Command Queuing:	Supported, Max. Depth: 32
TRIM Command:	Not Supported

### [Device flags]

Fixed Drive:	Present
Removable Drive:	Not Present
Magnetic Storage:	Present
LBA Mode:	Supported
DMA Mode:	Supported
IORDY:	Supported
IORDY Disableable:	Supported

### [Features]

Write Cache:	Present, Active
--------------	-----------------

S.M.A.R.T. Feature:	Present, Active
Security Feature:	Present, Inactive
Removable Media Feature:	Not Present, Disabled
Power Management:	Present, Active
Advanced Power Management:	Present, Inactive
Packet Interface:	Not Present, Disabled
Look-Ahead Buffer:	Present, Active
Host Protected Area:	Present, Enabled
Power-Up In Standby:	Supported, Inactive
Automatic Acoustic Management:	Supported, Inactive
48-bit LBA:	Supported, Active
Host-Initiated Link Power Management:	Supported
Device-Initiated Link Power Management:	Supported, Disabled
In-Order Data Delivery:	Not Supported
Hardware Feature Control:	Not Supported
Software Settings Preservation:	Supported, Enabled
NCQ Autosense:	Not Supported
Link Power State Device Sleep:	Not Supported
Hybrid Information Feature:	Not Supported
Rebuild Assist:	Not Supported
Power Disable:	Not Supported
All Write Cache Non-Volatile:	Not Supported
Extended Number of User Addressable Sectors:	Not Supported
CFast Specification:	Not Supported
NCQ Priority Information:	Supported
Host Automatic Partial to Slumber Transitions:	Not Supported
Device Automatic Partial to Slumber Transitions:	Not Supported
NCQ Streaming:	Not Supported
NCQ Queue Management Command:	Not Supported
DevSleep to Reduced Power State:	Not Supported
Extended Power Conditions Feature:	Not Supported
Sense Data Reporting Feature:	Not Supported
Free-Fall Control Feature:	Not Supported
Write-Read-Verify Feature:	Not Supported

### **[Security]**

Security Feature:	Supported
Security Status:	Disabled
Security Locked:	Disabled
Security Frozen:	Disabled
Enhanced Security Erase:	Supported
Sanitize Feature:	Not Supported
Sanitize Device - Crypto Scramble:	Not Supported
Sanitize Device - Overwrite:	Not Supported
Sanitize Device - Block Erase:	Not Supported
Sanitize Device - Antifreeze Lock:	Not Supported
Device Encrypts All User Data:	Not Supported
Trusted Computing:	Not Supported

### **[Self-Monitoring, Analysis and Reporting Technology (S.M.A.R.T.)]**

[01] Raw Read Error Rate:	100/51, Worst: 100
[02] Throughput Performance:	252/Always OK, Worst: 252
[03] Spin Up Time:	75/25, Worst: 75 (Data = 7592,0)
[04] Start/Stop Count:	100/Always OK, Worst: 100 (Data = 144,0)
[05] Reallocated Sector Count:	252/10, Worst: 252
[07] Seek Error Rate:	252/51, Worst: 252

[08] Seek Time Performance:	252/15, Worst: 252
[09] Power-On Hours/Cycle Count:	100/Always OK, Worst: 100 (9354 hours / 1.07 years)
[0A] Spin Retry Count:	252/51, Worst: 252
[0B] Calibration Retry Count:	252/Always OK, Worst: 252
[0C] Power Cycle Count:	98/Always OK, Worst: 98 (Data = 2792,0)
[BF] G-Sense Error Rate:	96/Always OK, Worst: 96 (Data = 50091,0)
[C0] Power-Off Retract Count:	252/Always OK, Worst: 252
[C2] Temperature	61/Always OK, Worst: 61 (39.0 °C)
[C3] Hardware ECC Recovered:	100/Always OK, Worst: 100
[C4] Reallocation Event Count:	252/Always OK, Worst: 252
[C5] Current Pending Sector Count:	252/Always OK, Worst: 252
[C6] Off-Line Uncorrectable Sector Count:	252/Always OK, Worst: 252
[C7] UltraDMA/SATA CRC Error Rate:	100/Always OK, Worst: 100 (Data = 2,0)
[C8] Write/Multi-Zone Error Rate:	100/Always OK, Worst: 100 (Data = 5,0)
[DF] Load/Unload Retry Count:	252/Always OK, Worst: 252
[E1] Load/Unload Cycle Count:	100/Always OK, Worst: 100 (Data = 2793,0)

## HL-DT-ST DVDROM GH22NS70

---

### [General information]

<b>Drive Model:</b>	<b>HL-DT-ST DVDROM GH22NS70</b>
Drive Firmware Revision:	EX00
Firmware Date:	2011-01-14 12:34:56
Serial Number:	K36B61J2619
Device Type:	DVD+R DL

### [Device capabilities]

Drive can read:	CD-R, DVD-R, DVD-RW, DVD+R, DVD+RW, DVD-RAM, DVD+R DL
Drive can write:	CD-R, DVD-R, DVD-RW, DVD+R, DVD+RW, DVD-RAM, DVD+R DL

## Audio

---

## ATI/AMD SB800/Hudson-1 - High Definition Audio Controller

---

<b>Audio Adapter:</b>	<b>ATI/AMD SB800/Hudson-1 - High Definition Audio Controller</b>
Audio Controller Hardware ID:	PCI\VEN_1002&DEV_4383&SUBSYS_43831002&REV_40
High Definition Audio Codec:	VIA VT1818S
Audio Codec Hardware ID:	HDAUDIO\FUNC_01&VEN_1106&DEV_0440&SUBSYS_00000000

### [Driver Information]

Driver Manufacturer:	Microsoft
Driver Description:	High Definition Audio-Gerät

Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	14-Sep-2018
DeviceInstanceId	HDAUDIO\FUNC_01&VEN_1106&DEV_0440&SUBSYS_10438417&REV_1000 \4&1249B638&0&0001

## ATI/AMD Cedar/Park/Robson - High Definition Audio Controller

---

### **Audio Adapter:** ATI/AMD Cedar/Park/Robson - High Definition Audio Controller

Audio Controller Hardware ID: PCI\VEN\_1002&DEV\_AA68&SUBSYS\_AA681787&REV\_00

High Definition Audio Codec: ATi RADEON HDMI  
Audio Codec Hardware ID: HDAUDIO\FUNC\_01&VEN\_1002&DEV\_AA01&SUBSYS\_00000000

### **[Driver Information]**

Driver Manufacturer:	Advanced Micro Devices
Driver Description:	AMD High Definition Audio Device
Driver Provider:	Advanced Micro Devices
Driver Version:	10.0.0.3
Driver Date:	13-Apr-2016
DeviceInstanceId	HDAUDIO\FUNC_01&VEN_1002&DEV_AA01&SUBSYS_00AA0100&REV_1002 \5&11406547&0&0001

## Network

---

## RealTek Semiconductor RTL8168/8111 PCI-E Gigabit Ethernet NIC

---

### **[General information]**

<b>Network Card:</b>	<b>RealTek Semiconductor RTL8168/8111 PCI-E Gigabit Ethernet NIC</b>
<b>Vendor Description:</b>	<b>Realtek PCIe GbE Family Controller</b>
MAC Address:	BC-AE-C5-46-12-BC

### **[Capabilities]**

Maximum Link Speed:	100 Mbps
Transmit Buffer Size:	193792 Bytes
Receive Buffer Size:	775168 Bytes
Hardware ID:	PCI\VEN_10EC&DEV_8168&SUBSYS_84321043&REV_06

### **[Driver Information]**

Driver Manufacturer:	Realtek
Driver Description:	Realtek PCIe GbE Family Controller
Driver Provider:	Realtek
Driver Version:	10.32.1206.2018

Driver Date:	06-Dec-2018
DeviceInstanceId	PCI\VEN_10EC&DEV_8168&SUBSYS_84321043&REV_06 \01000000684CE00000
Location Paths	PCIROOT(0)#PCI(1500)#PCI(0000)

## Ports

---

## Serial Ports

---

## COM1

---

## USB

---

---

## Root Hub

---

## [Port1] : No Device Connected

---

## [Port2] : Alcor Micro USB 2.0 Card Reader

---

### [Device Information]

Device Manufacturer:	Generic
Product Name:	Mass Storage Device
Serial Number:	058F63626476
USB Version Supported:	2.00
USB Device Speed:	USB 2.0 High-speed

Driver Description:	Alcor Micro USB 2.0 Card Reader
Hardware ID:	USB\VID_058F&PID_6362

**[Driver Information]**

Driver Manufacturer:	Alcor Micro, Corp.
Driver Description:	Alcor Micro USB 2.0 Card Reader
Driver Provider:	Alcor Micro, Corp.
Driver Version:	2.0.149.10100
Driver Date:	26-Apr-2018
DeviceInstanceId	USB\VID_058F&PID_6362\058F63626476
Location Paths	PCIROOT(0)#PCI(1602)#USBROOT(0)#USB(2)

**[Port3] : No Device Connected**

---

**[Port4] : No Device Connected**

---

**Root Hub**

---

**[Port1] : No Device Connected**

---

**[Port2] : USB-Eingabegerät**

---

**[Device Information]**

Device Manufacturer:	LITEON Technology
Product Name:	USB Multimedia Keyboard
Serial Number:	N/A
USB Version Supported:	1.10
USB Device Speed:	USB 1.1 Low-speed
Driver Description:	USB-Eingabegerät
Hardware ID:	USB\VID_046D&PID_C312

**[Driver Information]**

Driver Manufacturer:	(Standardsystemgeräte)
Driver Description:	USB-Eingabegerät
Driver Provider:	Microsoft
Driver Version:	10.0.17763.379
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_046D&PID_C312\5&3AFD18BD&0&2
Location Paths	PCIROOT(0)#PCI(1200)#USBROOT(0)#USB(2)

**[Port3] : No Device Connected**

---

**[Port4] : No Device Connected**

---

**[Port5] : No Device Connected**

---

**Root Hub**

---

**[Port1] : No Device Connected**

---

**[Port2] : No Device Connected**

---

**[Port3] : No Device Connected**

---

**[Port4] : No Device Connected**

---

**[Port5] : No Device Connected**

---

**Root Hub**

---

**[Port1] : No Device Connected**

---

**[Port2] : No Device Connected**

---

**[Port3] : No Device Connected**

---

**[Port4] : No Device Connected**

---

**[Port5] : USB-Massenspeichergerät**

---

**[Device Information]**

Device Manufacturer:	JMicron
Product Name:	USB to ATA/ATAPI bridge
Serial Number:	259B805910FF
USB Version Supported:	2.00



USB Device Speed:	USB 2.0 High-speed
Driver Description:	USB-Massenspeichergerät
Hardware ID:	USB\VID_152D&PID_2329

**[Driver Information]**

Driver Manufacturer:	Kompatibles USB-Speichergerät
Driver Description:	USB-Massenspeichergerät
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_152D&PID_2329\259B805910FF
Location Paths	PCIROOT(0)#PCI(1202)#USBROOT(0)#USB(5)

**Renesas USB 3.0 eXtensible-Hostcontroller – 0.96 (Microsoft)**

---

**Root Hub**

---

**[Port1] : No Device Connected**

---

**[Port2] : No Device Connected**

---

**[Port3] : No Device Connected**

---

**[Port4] : No Device Connected**

---

## Root Hub

---

**[Port1] : No Device Connected**

---

**[Port2] : No Device Connected**

---

**[Port3] : No Device Connected**

---

**[Port4] : No Device Connected**

---

**[Port5] : USB-Massenspeichergerät**

---

### **[Device Information]**

Device Manufacturer:	SKYMEDI
Product Name:	SK6226
Serial Number:	07DE10001195484
USB Version Supported:	2.00
USB Device Speed:	USB 2.0 High-speed
Driver Description:	USB-Massenspeichergerät
Hardware ID:	USB\VID_1516&PID_6226

### **[Driver Information]**

Driver Manufacturer:	Kompatibles USB-Speichergerät
Driver Description:	USB-Massenspeichergerät
Driver Provider:	Microsoft
Driver Version:	10.0.17763.1
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_1516&PID_6226\07DE10001195484
Location Paths	PCIROOT(0)#PCI(1302)#USBROOT(0)#USB(5)

---

## Root Hub

---

### [Port1] : No Device Connected

---

### [Port2] : No Device Connected

---

### [Port3] : USB-Eingabegerät

---

#### [Device Information]

Device Manufacturer:	PIXART
Product Name:	USB OPTICAL MOUSE
Serial Number:	N/A
USB Version Supported:	1.10
USB Device Speed:	USB 1.1 Low-speed
Driver Description:	USB-Eingabegerät
Hardware ID:	USB\VID_093A&PID_2510

#### [Driver Information]

Driver Manufacturer:	(Standardsystemgeräte)
Driver Description:	USB-Eingabegerät
Driver Provider:	Microsoft
Driver Version:	10.0.17763.379
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_093A&PID_2510\5&15D9C317&0&3
Location Paths	PCIROOT(0)#PCI(1600)#USBROOT(0)#USB(3)

### [Port4] : No Device Connected

---

## Root Hub

**[Port1] : No Device Connected**

---

**[Port2] : No Device Connected**

---