

## HWiNFO32 v5.36-2960

**Creation Time** 24.09.2016 15:12

### ARBEITSLAPTOP

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#### [Current Computer]

**Computer Brand Name:** Acer Switch SA5-271P

#### [Operating System]

**Operating System:** Microsoft Windows 10 Professional (x64) Build 10586.589 (TH2)  
**UEFI Boot:** Present

### Central Processor(s)

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#### [CPU Unit Count]

**Number Of Processor Packages (Physical):** 1  
**Number Of Processor Cores:** 2  
**Number Of Logical Processors:** 4

### Intel Core i7-6500U

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#### [General Information]

**Processor Name:** Intel Core i7-6500U  
**Original Processor Frequency:** 2600.0 MHz  
**Original Processor Frequency [MHz]:** 2600

**CPU ID:** 000406E3  
**CPU Brand Name:** Intel(R) Core(TM) i7-6500U CPU @ 2.50GHz  
**CPU Vendor:** GenuineIntel  
**CPU Stepping:** D0/D1  
**CPU Code Name:** Skylake-U  
**CPU S-Spec:** SR2EZ  
**CPU Thermal Design Power (TDP):** 15.0 W  
**CPU Power Limits (Max):** Power = Unlimited, Time = Unlimited  
**CPU Power Limit 1 - Long Duration:** (15.00 W) (32.00 sec) [Unlocked]  
**CPU Power Limit 2 - Short Duration:** (25.00 W) (2.44 ms) [Unlocked]  
**Configurable TDP Level 1 (Down):** 7.50 W (Unlimited range), 800 MHz  
**Configurable TDP Level 2 (Up):** 25.00 W (Unlimited range), 2600 MHz  
**Current Configurable TDP Level:** 2 [Unlocked]  
**CPU Type:** Production Unit  
**CPU Platform:** BGA1356  
**Microcode Update Revision:** 88

**Number of CPU Cores:** 2  
**Number of Logical CPUs:** 4

#### [Operating Points]

**CPU MFM (LowPower):** 400.0 MHz = 4 x 100.0 MHz  
**CPU LFM (Minimum):** 400.0 MHz = 4 x 100.0 MHz  
**CPU HFM (Maximum):** 2600.0 MHz = 26 x 100.0 MHz  
**CPU Turbo:** 3100.0 MHz = 31 x 100.0 MHz [Unlocked]  
**CPU Current:** 2495.7 MHz = 25 x 99.8 MHz @ 0.9081 V  
**Ring Maximum:** 3100.0 MHz = 31.00 x 100.0 MHz  
**Ring Current:** 2495.7 MHz = 25.00 x 99.8 MHz  
**System Agent Current:** 798.6 MHz = 8.00 x 99.8 MHz

#### [IA Overclocking]

**Voltage Offset:** Supported

Voltage Override:	Supported
Ratio Overclocking:	Not Supported
Fused Ratio Limit:	31x
Voltage Mode:	Interpolative
Voltage Offset:	0 mV
IccMax:	33.00 A
<b>[GT Overclocking (Slice-EUs)]</b>	
Voltage Offset:	Supported
Voltage Override:	Supported
Ratio Overclocking:	Not Supported
Fused Ratio Limit:	21x
Voltage Mode:	Interpolative
Voltage Offset:	0 mV
IccMax:	35.00 A
<b>[CLR (CBo/LLC/Ring Overclocking)]</b>	
Voltage Offset:	Supported
Voltage Override:	Supported
Ratio Overclocking:	Not Supported
Fused Ratio Limit:	31x
Voltage Mode:	Interpolative
Voltage Offset:	0 mV
IccMax:	33.00 A
<b>[GT Overclocking (Unslice-Fixed Functions)]</b>	
Voltage Offset:	Supported
Voltage Override:	Supported
Ratio Overclocking:	Not Supported
Fused Ratio Limit:	21x
Voltage Mode:	Interpolative
Voltage Offset:	0 mV
IccMax:	35.00 A
<b>[Uncore/SA Overclocking]</b>	
Voltage Offset:	Supported
Voltage Override:	Not Supported
Ratio Overclocking:	Not Supported
Fused Ratio Limit:	N/A
Voltage Mode:	Interpolative
Voltage Offset:	0 mV
IccMax:	6.00 A
<b>[Cache and TLB]</b>	
L1 Cache:	Instruction: 2 x 32 KBytes, Data: 2 x 32 KBytes
L2 Cache:	Integrated: 2 x 256 KBytes
L3 Cache:	4 MBytes
Instruction TLB:	2MB/4MB Pages, Fully associative, 8 entries
Data TLB:	4 KB Pages, 4-way set associative, 64 entries
<b>[Standard Feature Flags]</b>	
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	Present
Internal ACPI Support	Present
MMX Technology	Present
Fast FP Save/Restore (IA MMX-2)	Present
Streaming SIMD Extensions	Present
Streaming SIMD Extensions 2	Present
Self-Snoop	Present
Multi-Threading Capable	Present

Automatic Clock Control	Present
IA-64 Processor	Not Present
Signal Break on FERR	Present
Virtual Machine Extensions (VMX)	Present
Safer Mode Extensions (Intel TXT)	Not Present
Streaming SIMD Extensions 3	Present
Supplemental Streaming SIMD Extensions 3	Present
Streaming SIMD Extensions 4.1	Present
Streaming SIMD Extensions 4.2	Present
AVX Support	Present
Fused Multiply Add (FMA)	Present
Carryless Multiplication (PCLMULQDQ)/GFMUL	Present
CMPXCHG16B Support	Present
MOVBE Instruction	Present
POPCNT Instruction	Present
XSAVE/XRSTOR/XSETBV/XGETBV Instructions	Present
XGETBV/XSETBV OS Enabled	Present
Float16 Instructions	Present
AES Cryptography Support	Present
Random Number Read Instruction (RDRAND)	Present
Extended xAPIC	Present
MONITOR/MWAIT Support	Present
Thermal Monitor 2	Present
Enhanced SpeedStep Technology	Present
L1 Context ID	Not Present
Send Task Priority Messages Disabling	Present
Processor Context ID	Present
Direct Cache Access	Not Present
TSC-deadline Timer	Present
Performance/Debug Capability MSR	Present
IA32 Debug Interface Support	Present
64-Bit Debug Store	Present
CPL Qualified Debug Store	Present
<b>[Extended Feature Flags]</b>	
64-bit Extensions	Present
RDTSCP and TSC_AUX Support	Present
1 GB large page support	Present
No Execute	Present
SYSCALL/SYSRET Support	Not Present
Bit Manipulation Instructions Set 1	Present
Bit Manipulation Instructions Set 2	Present
Advanced Vector Extensions 2 (AVX2)	Present
Advanced Vector Extensions 512 (AVX-512)	Not Present
AVX-512 Prefetch Instructions	Not Present
AVX-512 Exponential and Reciprocal Instructions	Not Present
AVX-512 Conflict Detection Instructions	Not Present
AVX-512 Doubleword and Quadword Instructions	Not Present
AVX-512 Byte and Word Instructions	Not Present
AVX-512 Vector Length Extensions	Not Present
AVX-512 52-bit Integer FMA Instructions	Not Present
Secure Hash Algorithm (SHA) Extensions	Not Present
Software Guard Extensions (SGX) Support	Present
Supervisor Mode Execution Protection (SMEP)	Present
Supervisor Mode Access Prevention (SMAP)	Present
Hardware Lock Elision (HLE)	Not Present
Restricted Transactional Memory (RTM)	Not Present
Memory Protection Extensions (MPX)	Present
Read/Write FS/GS Base Instructions	Present
Enhanced Performance String Instruction	Present
INVPCID Instruction	Present
RDSEED Instruction	Present
Multi-precision Add Carry Instructions (ADX)	Present
PCOMMIT Instructions	Not Present
CLFLUSHOPT Instructions	Present
CLWB Instructions	Not Present
TSC_THREAD_OFFSET	Present
Platform Quality of Service Monitoring (PQM)	Not Present
Platform Quality of Service Enforcement (PQE)	Not Present
FPU Data Pointer updated only on x87 Exceptions	Not Present
Deprecated FPU CS and FPU DS	Present
Intel Processor Trace	Present
PREFETCHWT1 Instruction	Not Present
AVX-512 Vector Bit Manipulation Instructions	Not Present
Protection Keys for User-mode Pages	Not Present
OS Enabled Protection Keys	Not Present
<b>[Enhanced Features]</b>	
Thermal Monitor 1:	Supported, Enabled
Thermal Monitor 2:	Supported, Enabled
Enhanced Intel SpeedStep (GV3):	Supported, Enabled

Bi-directional PROCHOT#:	Enabled
Extended Auto-HALT State C1E:	Enabled
MLC Streamer Prefetcher	Supported, Enabled
MLC Spatial Prefetcher	Supported, Enabled
DCU Streamer Prefetcher	Supported, Enabled
DCU IP Prefetcher	Supported, Enabled
Intel Dynamic Acceleration (IDA) Technology:	Not Supported
Intel Dynamic FSB Switching:	Not Supported
Intel Turbo Boost Technology:	Supported, Enabled
Programmable Ratio Limits:	Supported, Disabled
Programmable TDC/TDP Limits:	Supported, Disabled

#### [CPU SKU Features]

Display HD Audio:	Supported
DMI x4:	Supported
DRAM ECC:	Not Supported
DMI in Gen2 Mode:	Not Supported
PEG in Gen2 Mode:	Not Supported
1N Mode DDR Timings:	Supported
2 DIMMs per Channel:	Not Supported
X2APIC:	Supported
Dual Memory Channel:	Supported
Integrated GPU:	Disabled
DDR Overclocking:	Disabled
DDR3L:	Supported
Maximum Memory Size per Channel:	32 GB (unlimited)
Overclocking:	Disabled
Additive Graphics:	Supported
Additive Graphics:	Enabled
PCIe Gen 3:	Not Supported
DMI Gen 3:	Not Supported
DDR4:	Supported
LPDDR3:	Supported
BCLK OC Limit:	100 MHz
Maximum Supported LPDDR3 Frequency:	1067 MHz
Maximum Supported DDR4 Frequency:	1067 MHz

#### [Memory Ranges]

Maximum Physical Address Size:	39-bit (512 GBytes)
Maximum Virtual Address Size:	48-bit (256 TBytes)

#### [MTRRs]

Range 0-400000000 (0MB-16384MB) Type:	Write Back (WB)
Range 8AEFF000-8AF00000 (2222MB-2223MB) Type:	Uncacheable (UC)
Range 8AF00000-8B000000 (2223MB-2224MB) Type:	Uncacheable (UC)
Range 8B000000-8C000000 (2224MB-2240MB) Type:	Uncacheable (UC)
Range 8C000000-90000000 (2240MB-2304MB) Type:	Uncacheable (UC)
Range 90000000-A0000000 (2304MB-2560MB) Type:	Uncacheable (UC)
Range A0000000-C0000000 (2560MB-3072MB) Type:	Uncacheable (UC)
Range C0000000-100000000 (3072MB-4096MB) Type:	Uncacheable (UC)

## Motherboard

#### [Computer]

Computer Brand Name:	Acer Switch SA5-271P
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#### [Motherboard]

Motherboard Model:	Acer Hawaii
Motherboard Chipset:	Intel Skylake-U Premium PCH
Motherboard Slots:	1xPCI Express x1
PCI Express Version Supported:	v3.0
USB Version Supported:	v3.0

#### [BIOS]

BIOS Manufacturer:	Insyde Corp.
BIOS Date:	06/17/2016
BIOS Version:	V1.02
UEFI BIOS:	Capable
Super-IO/LPC Chip:	Unknown

## ACPI Devices

## Standard PS/2 Keyboard

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Device Name: Standard PS/2 Keyboard

### **[Assigned Resources]**

I/O Port: 0060  
I/O Port: 0000

### **[Alternative 1]**

I/O Port: 0060  
I/O Port: 0064  
IRQ: 1

## I2C HID Device

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Device Name: I2C HID Device

### **[Assigned Resources]**

### **[Alternative 1]**

IRQ: 31

## Legacy device

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Device Name: Legacy device

### **[Assigned Resources]**

Memory Location: FF000000 - FFFFFFFF

### **[Alternative 1]**

Memory Location: FF000000 - FFFFFFFF

## Intel(R) Serial IO GPIO Host Controller - INT344B

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Device Name: Intel(R) Serial IO GPIO Host Controller - INT344B

### **[Assigned Resources]**

Memory Location: FDAF0000 - FDAFFFFF

### **[Alternative 1]**

Memory Location: FDAF0000 - FDAFFFFF  
Memory Location: FDAE0000 - FDAEFFFF  
Memory Location: FDAC0000 - FDACFFFF  
IRQ: 14

## Intel(R) Control Logic

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Device Name: Intel(R) Control Logic

### **[Assigned Resources]**

### **[Alternative 1]**

## Camera Sensor OV5670

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Device Name: Camera Sensor OV5670

**[Assigned Resources]**

**[Alternative 1]**

## Motherboard resources

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Device Name: Motherboard resources

**[Assigned Resources]**

I/O Port: 1854 - 1857

**[Alternative 1]**

I/O Port: 1854 - 1857

## Trusted Platform Module 2.0

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Device Name: Trusted Platform Module 2.0

**[Assigned Resources]**

Memory Location: FED40040 - FED4103F

**[Alternative 1]**

Memory Location: FED40040 - FED4103F

Memory Location: FED40000 - FED40FFF

## Programmable interrupt controller

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Device Name: Programmable interrupt controller

**[Assigned Resources]**

I/O Port: 0020 - 0021

I/O Port: 0030 - 0031

I/O Port: 00A0 - 00A1

I/O Port: 00B0 - 00B1

IRQ: 1114369

IRQ: 1114369

IRQ: 1114369

IRQ: 1114369

**[Alternative 1]**

I/O Port: 0020 - 0021

I/O Port: 0024 - 0025

I/O Port: 0028 - 0029

I/O Port: 002C - 002D

I/O Port: 0030 - 0031

I/O Port: 0034 - 0035

I/O Port: 0038 - 0039

I/O Port: 003C - 003D

I/O Port: 00A0 - 00A1

I/O Port: 00A4 - 00A5

I/O Port: 00A8 - 00A9

I/O Port: 00AC - 00AD

I/O Port: 00B0 - 00B1

I/O Port: 00B4 - 00B5

I/O Port: 00B8 - 00B9

I/O Port: 00BC - 00BD

I/O Port: 04D0 - 04D1

## System timer

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Device Name: System timer

**[Assigned Resources]**

I/O Port: 0040 - 0043  
DMA: 0

**[Alternative 1]**

I/O Port: 0040 - 0043  
I/O Port: 0050 - 0053  
IRQ: 0

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**High precision event timer**

Device Name: High precision event timer

**[Assigned Resources]**

Memory Location: FED00000 - FED003FF

**[Alternative 1]**

Memory Location: FED00000 - FED003FF

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**PCI Express Root Complex**

Device Name: PCI Express Root Complex

**[Assigned Resources]**

I/O Port: 0000 - FFFFFFFF  
Memory Location: 000A0000 - 000BFFFF  
Memory Location: 000C4000 - 000C3FFF  
Memory Location: 000CC000 - 000CFFFF  
Memory Location: 000D4000 - 000D3FFF  
Memory Location: 000DC000 - 000DFFFF  
Memory Location: 000E4000 - 000E3FFF  
Memory Location: 000EC000 - 000EFFFF

**[Alternative 1]**

I/O Port: 0000 - 0CF7  
I/O Port: 0D00 - FFFF  
Memory Location: 000A0000 - 000BFFFF  
Memory Location: 000C0000 - 000C3FFF  
Memory Location: 000C4000 - 000C7FFF  
Memory Location: 000C8000 - 000CBFFF  
Memory Location: 000CC000 - 000CFFFF  
Memory Location: 000D0000 - 000D3FFF  
Memory Location: 000D4000 - 000D7FFF  
Memory Location: 000D8000 - 000DBFFF  
Memory Location: 000DC000 - 000DFFFF  
Memory Location: 000E0000 - 000E3FFF  
Memory Location: 000E4000 - 000E7FFF  
Memory Location: 000E8000 - 000EBFFF  
Memory Location: 000EC000 - 000EFFFF  
Memory Location: 000F0000 - 000FFFFFFF  
Memory Location: 90000000 - DFFFFFFF  
Memory Location: FD000000 - FE7FFFFFFF

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**System CMOS/real time clock**

Device Name: System CMOS/real time clock

**[Assigned Resources]**

I/O Port: 0070 - 0077

**[Alternative 1]**

I/O Port:	0070 - 0077
IRQ:	8

**Motherboard resources**

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Device Name:	Motherboard resources
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**[Assigned Resources]**

Memory Location:	FED10000 - FED17FFF
Memory Location:	FED20000 - FED3FFFF

**[Alternative 1]**

Memory Location:	FED10000 - FED17FFF
Memory Location:	FED18000 - FED18FFF
Memory Location:	FED19000 - FED19FFF
Memory Location:	E0000000 - EFFFFFFF
Memory Location:	FED20000 - FED3FFFF
Memory Location:	FED90000 - FED93FFF
Memory Location:	FED45000 - FED8FFFF
Memory Location:	FF000000 - FFFFFFFF
Memory Location:	FEE00000 - FEEFFFFF
Memory Location:	90000000 - 9001FFFF

**Motherboard resources**

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Device Name:	Motherboard resources
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**[Assigned Resources]**

I/O Port:	002E - 002F
I/O Port:	0065
I/O Port:	0000 - 006F
I/O Port:	0092
I/O Port:	FFFF
IRQ:	1114369
IRQ:	1114369

**[Alternative 1]**

I/O Port:	002E - 002F
I/O Port:	004E - 004F
I/O Port:	0061
I/O Port:	0063
I/O Port:	0065
I/O Port:	0067
I/O Port:	0070
I/O Port:	0080
I/O Port:	0092
I/O Port:	00B2 - 00B3
I/O Port:	0680 - 069F
I/O Port:	FFFF
I/O Port:	FFFF
I/O Port:	FFFF
I/O Port:	1800 - 18FE
I/O Port:	164E - 164F

**Motherboard resources**

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Device Name:	Motherboard resources
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**[Assigned Resources]**

Memory Location:	FE029000 - FE029FFF
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**[Alternative 1]**



Memory Location:	FE029000 - FE029FFF
Memory Location:	FE028000 - FE028FFF

## Motherboard resources

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Device Name:	Motherboard resources
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### **[Assigned Resources]**

I/O Port:	2000 - 20FE
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### **[Alternative 1]**

I/O Port:	2000 - 20FE
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## Motherboard resources

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Device Name:	Motherboard resources
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### **[Assigned Resources]**

Memory Location:	FD000000 - FDABFFFF
Memory Location:	FE036000 - FE03BFFF

### **[Alternative 1]**

Memory Location:	FD000000 - FDABFFFF
Memory Location:	FDAD0000 - FDADFFFF
Memory Location:	FDB00000 - FDFFFFFF
Memory Location:	FE000000 - FE01FFFF
Memory Location:	FE036000 - FE03BFFF
Memory Location:	FE03D000 - FE3FFFFFF
Memory Location:	FE410000 - FE7FFFFFF

## Microsoft ACPI-Compliant Embedded Controller

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Device Name:	Microsoft ACPI-Compliant Embedded Controller
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### **[Assigned Resources]**

I/O Port:	0062
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### **[Alternative 1]**

I/O Port:	0062
I/O Port:	0066

## SMBIOS DMI

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## BIOS

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BIOS Vendor:	Insyde Corp.
BIOS Version:	V1.02
BIOS Release Date:	06/17/2016
BIOS Start Segment:	E000
BIOS Size:	8192 KBytes

System BIOS Version:	1.2
Embedded Controller Firmware Version:	1.6

ISA Support:	Not Present
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MCA Support:	Not Present
EISA Support:	Not Present
PCI Support:	Present
PC Card (PCMCIA) Support:	Not Present
Plug-and-Play Support:	Not Present
APM Support:	Not Present
Flash BIOS:	Present
BIOS Shadow:	Present
VL-VESA Support:	Not Present
ESCD Support:	Not Present
Boot from CD:	Present
Selectable Boot:	Present
BIOS ROM Socketed:	Not 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:	Not Present
ATAPI ZIP Drive Boot Support:	Not 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:	Present

## System

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System Manufacturer:	Acer
Product Name:	Switch SA5-271P
Product Version:	V1.02
Product Serial Number:	NTLB9EG0066207AADF7200
UUID:	{70D824E0-1BDB-81E6-E73568E7-6814017ED52B}
SKU Number:	Switch SA5-271P_111E_1.02
Family:	SKL

## Mainboard

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Mainboard Manufacturer:	Acer
Mainboard Name:	Hawaii
Mainboard Version:	V1.02
Mainboard Serial Number:	NBGDQ11006620787587200
Asset Tag:	Type2 - Board Asset Tag
Location in chassis:	Type2 - Board Chassis Location

## System Enclosure

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Manufacturer:	Acer
Case Type:	Tablet
Version:	Chassis Version
Serial Number:	Chassis Serial Number
Asset Tag Number:	

## Processor

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Processor Manufacturer:	Intel(R) Corporation
Processor Version:	Intel(R) Core(TM) i7-6500U CPU @ 2.50GHz
External Clock:	100 MHz

Maximum Clock Supported:	2600 MHz
Current Clock:	2400 MHz
CPU Socket:	Populated
CPU Status:	Enabled
Processor Type:	Central Processor
Processor Voltage:	0.9 V
Processor Upgrade:	Unknown (1)
Socket Designation:	U3E1

## L1 Cache

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Socket Designation:	L1 Cache
Cache State:	Enabled
Cache Type:	Internal, Data
Cache Scheme:	Write-Back
Supported SRAM Type:	Synchronous
Current SRAM Type:	Synchronous
Cache Speed:	Unknown
Error Correction Type:	Parity
Maximum Cache Size:	64 KBytes
Installed Cache Size:	64 KBytes
Cache Associativity:	8-way Set-Associative

## L1 Cache

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Socket Designation:	L1 Cache
Cache State:	Enabled
Cache Type:	Internal, Instruction
Cache Scheme:	Write-Back
Supported SRAM Type:	Synchronous
Current SRAM Type:	Synchronous
Cache Speed:	Unknown
Error Correction Type:	Parity
Maximum Cache Size:	64 KBytes
Installed Cache Size:	64 KBytes
Cache Associativity:	8-way Set-Associative

## L2 Cache

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Socket Designation:	L2 Cache
Cache State:	Enabled
Cache Type:	Internal, Unified
Cache Scheme:	Write-Back
Supported SRAM Type:	Synchronous
Current SRAM Type:	Synchronous
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

## L3 Cache

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Socket Designation:	L3 Cache
Cache State:	Enabled
Cache Type:	Internal, Unified
Cache Scheme:	Write-Back
Supported SRAM Type:	Synchronous
Current SRAM Type:	Synchronous
Cache Speed:	Unknown
Error Correction Type:	Multi-bit ECC

Maximum Cache Size:	4096 KBytes
Installed Cache Size:	4096 KBytes
Cache Associativity:	16-way Set-Associative

## On Board Device

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Device Description:	Intel(R) HD Graphics
Device Type:	Video Adapter
Device Status:	Enabled

Device Description:	Realtek High Definition Audio
Device Type:	Audio Device
Device Status:	Enabled

## OEM Strings

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Acer System  
3Ke+z9gipRma0  
HhmgKDu+HxtHq  
thjMkG5MrPwXV  
OemString5  
OemString6

## System Configuration Options

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Acer Switch  
ConfigOptions2  
DSN:KN5120L005615012E3HC  
DSN:FC710000  
DSN:TEST42b500682006/03/01  
SMI:00B2C002

## Group Associations

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## Group Associations

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## Group Associations

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## Firmware Version Information

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Reference Code - CPU	1.8.0.0
uCode Version	0.0.0.136
TXT ACM version	0.5.0.0

## Firmware Version Information

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Reference Code - ME 11.0	1.8.0.0
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MEBx version	1.8.0.0
ME Firmware Version	Consumer SKU

## Firmware Version Information

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Reference Code - SKL PCH	1.8.0.0
PCH-CRID Status	Disabled
PCH-CRID Original Value	0x21
PCH-CRID New Value	0x21
OPROM - RST - RAID	
SKL PCH H Bx Hsio Version	62.0.0.0
SKL PCH H Dx Hsio Version	52.0.0.0
SKL PCH LP Bx Hsio Version	62.0.0.0
SKL PCH LP Cx Hsio Version	52.0.0.0

## Firmware Version Information

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Reference Code - SA - System Agent	1.8.0.0
Reference Code - MRC	1.8.0.1
SA - PCIe Version	1.8.0.0
SA-CRID Status	Disabled
SA-CRID Original Value	0x8
SA-CRID New Value	0x8
OPROM - VBIOS	

## Memory Devices

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### Physical Memory Array

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Array Location:	System board
Array Use:	System memory
Error Detecting Method:	None
Memory Capacity:	8 GBytes
Memory Devices:	2

## Memory Device

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Total Width:	64 bits
Data Width:	64 bits
Device Size:	4096 MBytes
Device Form Factor:	SODIMM
Device Locator:	ChannelA-DIMM0
Bank Locator:	BANK 0
Device Type:	LPDDR3
Device Type Detail:	Synchronous
Memory Speed:	1867 MHz
Manufacturer:	SK Hynix
Serial Number:	00000000
Part Number:	
Asset Tag:	9876543210

## Memory Device

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Total Width:	64 bits
Data Width:	64 bits

Device Size:	4096 MBytes
Device Form Factor:	SODIMM
Device Locator:	ChannelB-DIMM0
Bank Locator:	BANK 2
Device Type:	LPDDR3
Device Type Detail:	Synchronous
Memory Speed:	1867 MHz
Manufacturer:	SK Hynix
Serial Number:	00000000
Part Number:	
Asset Tag:	9876543210

## Memory Array Mapped Address

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Starting Address:	00000000
Ending Address:	007FFFFF
Partition Width:	2

## Memory Device Mapped Address

---

Starting Address:	00000000
Ending Address:	003FFFFF
Partition Row Position:	Unknown
Interleave Position:	1
Interleave Data Depth:	1

## Memory Device Mapped Address

---

Starting Address:	00000000
Ending Address:	003FFFFF
Partition Row Position:	Unknown
Interleave Position:	2
Interleave Data Depth:	1

## Intel ME

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### [ME Host Status]

ME Current Working State:	Normal
Manufacturing Mode:	Not Active
ME Current Operation Mode:	Normal

### [Intel Manageability Engine Features]

Intel ME Version:	11.0, Build 1205
Intel ME Recovery Image Version:	11.0, Build 1205
Intel ME FITC Version:	11.0, Build 1205

### [ME Firmware Capabilities]

Full Network Manageability:	Not Capable
Standard Network Manageability:	Not Capable
Manageability (AMT):	Not Capable
Small Business Advantage:	Not Capable
MEI3:	Not Capable
Intel Anti-Theft:	Not Capable
Capability Licensing Service:	Capable
Virtualization Engine:	Not Capable
Intel Sensor Hub (ISH):	Capable
ICC Over Clocking:	Capable
Protected Audio Video Path (PAVP):	Capable
Network Frame Forwarder (NFF):	Not Capable
Remote PC Assist (RPAT):	Not Capable
IPV6:	Not Capable

KVM Remote Control:	Not Capable
Outbreak Containment Heuristic (OCH):	Not Capable
Dynamic Application Loader (DAL):	Capable
Cipher Transport Layer (TLS):	Not Capable
Wireless LAN (WLAN):	Not Capable
Platform Trust Technology (PTT):	Capable
Near Field Communication (NFC):	Not Capable

**[ME Firmware Feature State]**

Full Network Manageability:	Disabled
Standard Network Manageability:	Disabled
Manageability (AMT):	Disabled
Small Business Advantage:	Not Capable
MEI3:	Not Capable
Intel Anti-Theft:	Disabled
Capability Licensing Service:	Enabled
Virtualization Engine:	Disabled
Intel Sensor Hub (ISH):	Enabled
ICC Over Clocking:	Enabled
Protected Audio Video Path (PAVP):	Enabled
Network Frame Forwarder (NFF):	Not Capable
Remote PC Assist (RPAT):	Disabled
IPv6:	Disabled
KVM Remote Control:	Disabled
Outbreak Containment Heuristic (OCH):	Disabled
Dynamic Application Loader (DAL):	Capable
Cipher Transport Layer (TLS):	Disabled
Wireless LAN (WLAN):	Disabled
Platform Trust Technology (PTT):	Enabled
Near Field Communication (NFC):	Disabled

**[ME Firmware Platform Type]**

Platform Target Usage Type:	Mobile
Platform Target Market Type:	Consumer
SKU:	Regular SKU
ME Firmware Image Type:	1.5MB Firmware
Platform Brand:	None
Host ME Region Flash Protection Override (HMRFPO) Status:	Disabled

## Memory

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**[General information]**

Total Memory Size:	8073 MBytes
Total Memory Size [MB]:	8073

**[Current Performance Settings]**

Maximum Supported Memory Clock:	1066.7 MHz
Current Memory Clock:	931.7 MHz
Current Timing (tCAS-tRCD-tRP-tRAS):	14-17-17-40
Memory Runs At:	Dual-Channel
Command Rate:	1T
Read to Read Delay (tRD_RD) Same Rank:	4T
Read to Read Delay (tRD_RD) Different Rank:	4T
Read to Read Delay (tRD_RD) Different DIMM:	8T
Write to Write Delay (tWR_WR) Same Rank:	4T
Write to Write Delay (tWR_WR) Different Rank:	4T
Write to Write Delay (tWR_WR) Different DIMM:	7T
Read to Write Delay (tRD_WR) Same Rank:	14T
Read to Write Delay (tRD_WR) Different Rank:	14T
Read to Write Delay (tRD_WR) Different DIMM:	15T
Write to Read Delay (tWR_RD) Same Rank (tWTR):	25T
Write to Read Delay (tWR_RD) Different Rank:	25T
Write to Read Delay (tWR_RD) Different DIMM:	8T
RAS# to RAS# Delay (tRRD):	10T
Refresh Cycle Time (tRFC):	122T

Four Activate Window (tFAW):

47T

## Bus

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### PCI Bus #0

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#### Intel Skylake-U - Host Bridge/DRAM Controller [D0]

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##### [General Information]

Device Name:	Intel Skylake-U - Host Bridge/DRAM Controller [D0]
Original Device Name:	Intel Skylake-U - Host Bridge/DRAM Controller [D0]
Device Class:	Host-to-PCI Bridge
Revision ID:	8 [D0]
PCI Address (Bus:Device:Function) Number:	0:0:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_1904&SUBSYS_111E1025&REV_08

##### [System Resources]

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

##### [Features]

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

##### [Driver Information]

Driver Manufacturer:	(Standardsystemgeräte)
Driver Description:	PCI Standard-Host-CPU-Brücke
Driver Provider:	Microsoft
Driver Version:	10.0.10586.0
Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_8086&DEV_1904&SUBSYS_111E1025&REV_08\3&11583659&1&00

#### Intel HD Grahpics 520 (Skylake-U GT2) - Integrated Graphics Controller [D0/D1]

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##### [General Information]

Device Name:	Intel HD Grahpics 520 (Skylake-U GT2) - Integrated Graphics Controller [D0/D1]
Original Device Name:	Intel HD Grahpics 520 (Skylake-U GT2) - Integrated Graphics Controller [D0/D1]
Device Class:	VGA Compatible Adapter
Revision ID:	7 [D0/D1]
PCI Address (Bus:Device:Function) Number:	0:2:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_1916&SUBSYS_111E1025&REV_07

##### [PCI Express]

Version:	1.1
Current Link Width:	Not negotiated
Device/Port Type:	Root Complex Integrated Endpoint
Slot Implemented:	No
Active State Power Management (ASPM) Support:	None
Active State Power Management (ASPM) Status:	Disabled

##### [System Resources]

Interrupt Line:	N/A
Interrupt Pin:	INTA#
Memory Base Address 0	B0000000
Memory Base Address 2	A0000000



I/O Base Address 4 3000

#### [Features]

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

#### [Driver Information]

Driver Manufacturer:	Intel Corporation
Driver Description:	Intel(R) HD Graphics 520
Driver Provider:	Intel Corporation
Driver Version:	20.19.15.4454
Driver Date:	04-May-2016
DeviceInstanceId	PCI\VEN_8086&DEV_1916&SUBSYS_111E1025&REV_07\3&11583659&1&10

## Intel Skylake - Dynamic Platform & Thermal Framework Processor Participant

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#### [General Information]

<b>Device Name:</b>	<b>Intel Skylake - Dynamic Platform &amp; Thermal Framework Processor Participant</b>
<b>Original Device Name:</b>	<b>Intel Skylake - Dynamic Platform &amp; Thermal Framework Processor Participant</b>
<b>Device Class:</b>	<b>Unknown Data Acquisition/Signal Processing Controller</b>
Revision ID:	8
PCI Address (Bus:Device:Function) Number:	0:4:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_1903&SUBSYS_111E1025&REV_08

#### [System Resources]

Interrupt Line:	IRQ16
Interrupt Pin:	INTA#
Memory Base Address 0	B1630000

#### [Features]

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

#### [Driver Information]

Driver Manufacturer:	Intel
Driver Description:	Intel(R) Dynamic Platform and Thermal Framework Processor Participant
Driver Provider:	Intel
Driver Version:	8.1.10605.221
Driver Date:	23-Oct-2015
DeviceInstanceId	PCI\VEN_8086&DEV_1903&SUBSYS_111E1025&REV_08\3&11583659&1&20

## Intel Skylake - Imaging Unit (IMGU)

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#### [General Information]

<b>Device Name:</b>	<b>Intel Skylake - Imaging Unit (IMGU)</b>
<b>Original Device Name:</b>	<b>Intel Skylake - Imaging Unit (IMGU)</b>
<b>Device Class:</b>	<b>Unknown Multimedia Adapter</b>
Revision ID:	1
PCI Address (Bus:Device:Function) Number:	0:5:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_1919&SUBSYS_111E1025&REV_01

#### [System Resources]

Interrupt Line:	N/A
Interrupt Pin:	INTA#
Memory Base Address 0	B1000000

#### [Features]

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

#### [Driver Information]

Driver Manufacturer:	Intel
Driver Description:	Intel(R) Imaging Signal Processor 2500

Driver Provider:	Intel
Driver Version:	30.10586.7035.1976
Driver Date:	28-Feb-2016
DeviceInstanceId	PCI\VEN_8086&DEV_1919&SUBSYS_111E1025&REV_01\3&11583659&1&28

## Intel Skylake/Kaby Lake-U/Y PCH - Integrated Sensor Hub (ISH) [C1]

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### [General Information]

Device Name:	Intel Skylake/Kaby Lake-U/Y PCH - Integrated Sensor Hub (ISH) [C1]
Original Device Name:	Intel Skylake/Kaby Lake-U/Y PCH - Integrated Sensor Hub (ISH) [C1]
Device Class:	Reserved
Revision ID:	21 [C1]
PCI Address (Bus:Device:Function) Number:	0:19:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_9D35&SUBSYS_111E1025&REV_21

### [System Resources]

Interrupt Line:	IRQ20
Interrupt Pin:	INTA#
Memory Base Address 0	B1642000

### [Features]

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

### [Driver Information]

Driver Manufacturer:	Intel
Driver Description:	Intel(R) Integrated Sensor Solution
Driver Provider:	Intel
Driver Version:	3.0.40.3247
Driver Date:	29-Feb-2016
DeviceInstanceId	PCI\VEN_8086&DEV_9D35&SUBSYS_111E1025&REV_21\3&11583659&1&98

## Intel Skylake-U/Y PCH - USB 3.0 xHCI Controller [C1]

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### [General Information]

Device Name:	Intel Skylake-U/Y PCH - USB 3.0 xHCI Controller [C1]
Original Device Name:	Intel Skylake-U/Y PCH - USB 3.0 xHCI Controller [C1]
Device Class:	USB xHCI Controller
Revision ID:	21 [C1]
PCI Address (Bus:Device:Function) Number:	0:20:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_9D2F&SUBSYS_111E1025&REV_21

### [System Resources]

Interrupt Line:	N/A
Interrupt Pin:	INTA#
Memory Base Address 0	B1600000

### [Features]

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

USB Version Supported:	3.0
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### [Driver Information]

Driver Manufacturer:	Generischer USB-xHCI-Hostcontroller
Driver Description:	USB-xHCI-kompatibler Hostcontroller
Driver Provider:	Microsoft
Driver Version:	10.0.10586.212
Driver Date:	28-Mar-2016
DeviceInstanceId	PCI\VEN_8086&DEV_9D2F&SUBSYS_111E1025&REV_21\3&11583659&1&A0

## USB Root Hub

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**[Port1] : No Device Connected**

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**[Port2] : USB-Verbundgerät**

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**[Device Information]**

Device Manufacturer:	Logitech
Product Name:	USB Receiver
Serial Number:	N/A
USB Version Supported:	2.00
USB Device Speed:	USB 1.1 Full-speed
Driver Description:	USB-Verbundgerät
Hardware ID:	USB\VID_046D&PID_C52B

**[Driver Information]**

Driver Manufacturer:	(Standard-USB-Hostcontroller)
Driver Description:	USB-Verbundgerät
Driver Provider:	Microsoft
Driver Version:	10.0.10586.0
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_046D&PID_C52B\5&385B02FC&0&2

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**[Port3] : No Device Connected**

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**[Port4] : USB-Verbundgerät**

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**[Device Information]**

Device Manufacturer:	Chicony
Product Name:	ACER Hawaii Keyboard
Serial Number:	N/A
USB Version Supported:	2.00
USB Device Speed:	USB 1.1 Full-speed
Driver Description:	USB-Verbundgerät
Hardware ID:	USB\VID_04F2&PID_1558

**[Driver Information]**

Driver Manufacturer:	(Standard-USB-Hostcontroller)
Driver Description:	USB-Verbundgerät
Driver Provider:	Microsoft
Driver Version:	10.0.10586.0
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_04F2&PID_1558\5&385B02FC&0&4

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**[Port5] : Bluetooth USB Module**

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**[Device Information]**

Device Manufacturer:	-
Product Name:	-
Serial Number:	-
USB Version Supported:	2.01
USB Device Speed:	USB 1.1 Full-speed
Driver Description:	Bluetooth USB Module
Hardware ID:	USB\VID_0489&PID_E09F

**[Driver Information]**

Driver Manufacturer:	Qualcomm Atheros Communications
Driver Description:	Bluetooth USB Module
Driver Provider:	Qualcomm Atheros Communications
Driver Version:	10.0.0.212
Driver Date:	04-Feb-2016
DeviceInstanceId	USB\VID_0489&PID_E09F\5&385B02FC&0&5

### [Port6] : No Device Connected

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### [Port7] : USB-Verbundgerät

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#### [Device Information]

Device Manufacturer:	-
Product Name:	-
Serial Number:	-
USB Version Supported:	2.00
USB Device Speed:	USB 2.0 High-speed
Driver Description:	USB-Verbundgerät
Hardware ID:	USB\VID_0BDA&PID_56C1

#### [Driver Information]

Driver Manufacturer:	(Standard-USB-Hostcontroller)
Driver Description:	USB-Verbundgerät
Driver Provider:	Microsoft
Driver Version:	10.0.10586.0
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_0BDA&PID_56C1\0X0001

### [Port8] : RealTek RTS5129 USB Card Reader

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#### [Device Information]

Device Manufacturer:	Generic
Product Name:	USB2.0-CRW
Serial Number:	20100201396000000
USB Version Supported:	2.00
USB Device Speed:	USB 2.0 High-speed
Driver Description:	Realtek USB 2.0 Card Reader
Hardware ID:	USB\VID_0BDA&PID_0129

#### [Driver Information]

Driver Manufacturer:	Realtek Semiconductor Corp.
Driver Description:	Realtek USB 2.0 Card Reader
Driver Provider:	Realtek Semiconductor Corp.
Driver Version:	10.0.10586.31225
Driver Date:	16-Jun-2016
DeviceInstanceId	USB\VID_0BDA&PID_0129\20100201396000000

### [Port9] : No Device Connected

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### [Port10] : No Device Connected

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### [Port11] : No Device Connected

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**[Port12] : No Device Connected**

---

**[Port13] : No Device Connected**

---

**[Port14] : No Device Connected**

---

**[Port15] : No Device Connected**

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**[Port16] : No Device Connected**

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**[Port17] : No Device Connected**

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**[Port18] : No Device Connected**

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## **Intel Skylake/Kaby Lake-U/Y PCH - Thermal Subsystem [C1]**

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### **[General Information]**

<b>Device Name:</b>	<b>Intel Skylake/Kaby Lake-U/Y PCH - Thermal Subsystem [C1]</b>
<b>Original Device Name:</b>	<b>Intel Skylake/Kaby Lake-U/Y PCH - Thermal Subsystem [C1]</b>
<b>Device Class:</b>	<b>Unknown Data Acquisition/Signal Processing Controller</b>
Revision ID:	21 [C1]
PCI Address (Bus:Device:Function) Number:	0:20:2
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_9D31&SUBSYS_111E1025&REV_21

### **[System Resources]**

Interrupt Line:	N/A
Interrupt Pin:	INTC#
Memory Base Address 0	B1643000

### **[Features]**

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

### **[Driver Information]**

Driver Manufacturer:	INTEL
Driver Description:	Mobile 6th Generation Intel(R) Processor Family I/O Thermal subsystem - 9D31
Driver Provider:	INTEL
Driver Version:	10.1.1.13
Driver Date:	28-Oct-2015
DeviceInstanceId	PCI\VEN_8086&DEV_9D31&SUBSYS_111E1025&REV_21\3&11583659&1&A2

## Intel Skylake-U/Y PCH - Camera IO Host Controller (CSI2) [A1]

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### [General Information]

<b>Device Name:</b>	<b>Intel Skylake-U/Y PCH - Camera IO Host Controller (CSI2) [A1]</b>
<b>Original Device Name:</b>	<b>Intel Skylake-U/Y PCH - Camera IO Host Controller (CSI2) [A1]</b>
<b>Device Class:</b>	<b>Unknown Multimedia Adapter</b>
Revision ID:	1 [A1]
PCI Address (Bus:Device:Function) Number:	0:20:3
PCI Latency Timer:	32
Hardware ID:	PCI\VEN_8086&DEV_9D32&SUBSYS_00000000&REV_01

### [System Resources]

Interrupt Line:	N/A
Interrupt Pin:	INTA#
Memory Base Address 0	B1610000

### [Features]

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

### [Driver Information]

Driver Manufacturer:	Intel(R) CSI2 Host Controller
Driver Description:	Intel(R) CSI2 Host Controller
Driver Provider:	Intel Corporation
Driver Version:	30.10586.7035.1976
Driver Date:	28-Feb-2016
DeviceInstanceId	PCI\VEN_8086&DEV_9D32&SUBSYS_00000000&REV_01\3&11583659&1&A3

## Intel Skylake-U/Y PCH - LPSS: I2C Controller #0 [C1]

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### [General Information]

<b>Device Name:</b>	<b>Intel Skylake-U/Y PCH - LPSS: I2C Controller #0 [C1]</b>
<b>Original Device Name:</b>	<b>Intel Skylake-U/Y PCH - LPSS: I2C Controller #0 [C1]</b>
<b>Device Class:</b>	<b>Unknown Data Acquisition/Signal Processing Controller</b>
Revision ID:	21 [C1]
PCI Address (Bus:Device:Function) Number:	0:21:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_9D60&SUBSYS_111E1025&REV_21

### [System Resources]

Interrupt Line:	IRQ16
Interrupt Pin:	INTA#
Memory Base Address 0	FE40F000

### [Features]

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

### [Driver Information]

Driver Manufacturer:	Intel Corporation
Driver Description:	Intel(R) Serial IO I2C Host Controller - 9D60
Driver Provider:	Intel Corporation
Driver Version:	30.63.1519.7
Driver Date:	21-Sep-2015
DeviceInstanceId	PCI\VEN_8086&DEV_9D60&SUBSYS_111E1025&REV_21\3&11583659&1&A8

## Intel Skylake-U/Y PCH - LPSS: I2C Controller #1 [C1]

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### [General Information]

<b>Device Name:</b>	<b>Intel Skylake-U/Y PCH - LPSS: I2C Controller #1 [C1]</b>
<b>Original Device Name:</b>	<b>Intel Skylake-U/Y PCH - LPSS: I2C Controller #1 [C1]</b>
<b>Device Class:</b>	<b>Unknown Data Acquisition/Signal Processing Controller</b>
Revision ID:	21 [C1]
PCI Address (Bus:Device:Function) Number:	0:21:1

PCI Latency Timer: 0  
Hardware ID: PCI\VEN\_8086&DEV\_9D61&SUBSYS\_111E1025&REV\_21

**[System Resources]**

Interrupt Line: IRQ17  
Interrupt Pin: INTB#  
Memory Base Address 0 FE40E000

**[Features]**

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

**[Driver Information]**

Driver Manufacturer: Intel Corporation  
Driver Description: Intel(R) Serial IO I2C Host Controller - 9D61  
Driver Provider: Intel Corporation  
Driver Version: 30.63.1519.7  
Driver Date: 21-Sep-2015  
DeviceInstanceId: PCI\VEN\_8086&DEV\_9D61&SUBSYS\_111E1025&REV\_21\3&11583659&1&A9

**Intel Skylake-U/Y PCH - LPSS: I2C Controller #2 [C1]**

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**[General Information]**

**Device Name:** Intel Skylake-U/Y PCH - LPSS: I2C Controller #2 [C1]  
**Original Device Name:** Intel Skylake-U/Y PCH - LPSS: I2C Controller #2 [C1]  
**Device Class:** Unknown Data Acquisition/Signal Processing Controller  
Revision ID: 21 [C1]  
PCI Address (Bus:Device:Function) Number: 0:21:2  
PCI Latency Timer: 0  
Hardware ID: PCI\VEN\_8086&DEV\_9D62&SUBSYS\_111E1025&REV\_21

**[System Resources]**

Interrupt Line: IRQ18  
Interrupt Pin: INTC#  
Memory Base Address 0 FE40D000

**[Features]**

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

**[Driver Information]**

Driver Manufacturer: Intel Corporation  
Driver Description: Intel(R) Serial IO I2C Host Controller - 9D62  
Driver Provider: Intel Corporation  
Driver Version: 30.63.1519.7  
Driver Date: 21-Sep-2015  
DeviceInstanceId: PCI\VEN\_8086&DEV\_9D62&SUBSYS\_111E1025&REV\_21\3&11583659&1&AA

**Intel Skylake-U/Y PCH - CSME: HECI #1 [C1]**

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**[General Information]**

**Device Name:** Intel Skylake-U/Y PCH - CSME: HECI #1 [C1]  
**Original Device Name:** Intel Skylake-U/Y PCH - CSME: HECI #1 [C1]  
**Device Class:** Unknown Communication Device  
Revision ID: 21 [C1]  
PCI Address (Bus:Device:Function) Number: 0:22:0  
PCI Latency Timer: 0  
Hardware ID: PCI\VEN\_8086&DEV\_9D3A&SUBSYS\_111E1025&REV\_21

**[System Resources]**

Interrupt Line: N/A  
Interrupt Pin: INTA#  
Memory Base Address 0 FE40C000

**[Features]**

Bus Mastering: Enabled

Running At 66 MHz:  
Fast Back-to-Back Transactions:

Not Capable  
Not Capable

#### [Driver Information]

Driver Manufacturer:	Intel
Driver Description:	Intel(R) Management Engine Interface
Driver Provider:	Intel
Driver Version:	11.0.0.1181
Driver Date:	04-Feb-2016
DeviceInstanceId	PCI\VEN_8086&DEV_9D3A&SUBSYS_111E1025&REV_21\3&11583659&1&B0

### Intel Skylake-U/Y PCH - SATA AHCI Controller [C1]

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#### [General Information]

<b>Device Name:</b>	<b>Intel Skylake-U/Y PCH - SATA AHCI Controller [C1]</b>
<b>Original Device Name:</b>	<b>Intel Skylake-U/Y PCH - SATA AHCI Controller [C1]</b>
<b>Device Class:</b>	<b>SATA AHCI Controller</b>
Revision ID:	21 [C1]
PCI Address (Bus:Device:Function) Number:	0:23:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_9D03&SUBSYS_111E1025&REV_21

#### [System Resources]

Interrupt Line:	N/A
Interrupt Pin:	INTA#
Memory Base Address 0	B1640000
Memory Base Address 1	B164A000
I/O Base Address 2	3080
I/O Base Address 3	3088
I/O Base Address 4	3060
Memory Base Address 5	B1648000

#### [Features]

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

#### [SATA Host Controller]

Interface Speed Supported:	Gen3 6.0 Gbps
Number Of Ports:	3
External SATA Support:	Not Capable
Aggressive Link Power Management:	Capable
Staggered Spin-up:	Not Capable
Mechanical Presence Switch:	Not Capable
Command Queue Acceleration:	Capable
64-bit Addressing:	Capable
AHCI Status:	Enabled
AHCI Version:	1.31
Ports Implemented:	0, 1, 2

#### [SATA Port#0]

Port Status:	Phy in offline mode
External SATA Port:	Not Capable
Hot Plug:	Not Capable

#### [SATA Port#1]

Port Status:	Device Present, Phy communication not established
Current Interface Speed:	Gen3 6.0 Gbps
External SATA Port:	Not Capable
Hot Plug:	Not Capable
Device Type:	SATA

#### [SATA Port#2]

Port Status:	Phy in offline mode
External SATA Port:	Not Capable
Hot Plug:	Not Capable

#### [Driver Information]

Driver Manufacturer:	Intel Corporation
Driver Description:	Intel(R) 6th Generation Core Processor Family Platform I/O SATA AHCI Controller
Driver Provider:	Intel Corporation
Driver Version:	14.8.0.1042



Driver Date:	04-Nov-2015
DeviceInstanceId	PCI\VEN_8086&DEV_9D03&SUBSYS_111E1025&REV_21\3&11583659&1&B8

## Intel Skylake-U/Y PCH - PCI Express Root Port #9 [A1/C1]

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### [General Information]

<b>Device Name:</b>	<b>Intel Skylake-U/Y PCH - PCI Express Root Port #9 [A1/C1]</b>
<b>Original Device Name:</b>	<b>Intel Skylake-U/Y PCH - PCI Express Root Port #9 [A1/C1]</b>
<b>Device Class:</b>	<b>PCI-to-PCI Bridge</b>
Revision ID:	F1 [A1/C1]
PCI Address (Bus:Device:Function) Number:	0:29:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_9D18&SUBSYS_00000000&REV_F1

### [PCI Express]

Version:	3.0
Maximum Link Width:	1x
Current Link Width:	1x
Maximum Link Speed:	8.0 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
Active State Power Management (ASPM) Support:	L1
Active State Power Management (ASPM) Status:	L1 Entry

### [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:	INTEL
Driver Description:	Mobile 6th Generation Intel(R) Processor Family I/O PCI Express Root Port #9 - 9D18
Driver Provider:	INTEL
Driver Version:	10.1.1.13
Driver Date:	28-Oct-2015
DeviceInstanceId	PCI\VEN_8086&DEV_9D18&SUBSYS_111E1025&REV_F1\3&11583659&1&E8

## PCI Express x1 Bus #1

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## Atheros/Qualcomm QCA6174 802.11ac Wireless Network Adapter

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### [General Information]

<b>Device Name:</b>	<b>Atheros/Qualcomm QCA6174 802.11ac Wireless Network Adapter</b>
<b>Original Device Name:</b>	<b>Atheros/Qualcomm QCA6174 802.11ac Wireless Network Adapter</b>
<b>Device Class:</b>	<b>Unknown Network Adapter</b>
Revision ID:	32
PCI Address (Bus:Device:Function) Number:	1:0:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_168C&DEV_003E&SUBSYS_E09D105B&REV_32

### [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
Active State Power Management (ASPM) Support:	L0s and L1
Active State Power Management (ASPM) Status:	L1 Entry

**[System Resources]**

Interrupt Line:	N/A
Interrupt Pin:	INTA#
Memory Base Address 0	B1400000

**[Features]**

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

**[Driver Information]**

Driver Manufacturer:	Qualcomm Atheros Communications Inc.
Driver Description:	Qualcomm Atheros QCA61x4A Wireless Network Adapter
Driver Provider:	Qualcomm Atheros Communications Inc.
Driver Version:	12.0.0.212
Driver Date:	04-Feb-2016
DeviceInstanceId	PCI\VEN_168C&DEV_003E&SUBSYS_E09D105B&REV_32\4&102BE95&0&00E8

**Intel Skylake-U Premium PCH - LPC/eSPI Controller [C1]**

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**[General Information]**

<b>Device Name:</b>	<b>Intel Skylake-U Premium PCH - LPC/eSPI Controller [C1]</b>
<b>Original Device Name:</b>	<b>Intel Skylake-U Premium PCH - LPC/eSPI Controller [C1]</b>
<b>Device Class:</b>	<b>PCI-to-ISA Bridge</b>
Revision ID:	21 [C1]
PCI Address (Bus:Device:Function) Number:	0:31:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_9D48&SUBSYS_111E1025&REV_21

**[System Resources]**

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

**[Features]**

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

**[Driver Information]**

Driver Manufacturer:	INTEL
Driver Description:	Mobile 6th Generation Intel(R) Processor Family I/O LPC Controller (Premium SKU) - 9D48
Driver Provider:	INTEL
Driver Version:	10.1.1.13
Driver Date:	28-Oct-2015
DeviceInstanceId	PCI\VEN_8086&DEV_9D48&SUBSYS_111E1025&REV_21\3&11583659&1&F8

**Intel Skylake/Kaby Lake-U/Y/ PCH - Power Management Controller [C1]**

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**[General Information]**

<b>Device Name:</b>	<b>Intel Skylake/Kaby Lake-U/Y/ PCH - Power Management Controller [C1]</b>
<b>Original Device Name:</b>	<b>Intel Skylake/Kaby Lake-U/Y/ PCH - Power Management Controller [C1]</b>
<b>Device Class:</b>	<b>Unknown Memory</b>
Revision ID:	21 [C1]
PCI Address (Bus:Device:Function) Number:	0:31:2
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_9D21&SUBSYS_111E1025&REV_21

**[System Resources]**

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

Memory Base Address 0 B163C000

#### [Features]

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

#### [Driver Information]

Driver Manufacturer:	INTEL
Driver Description:	Mobile 6th Generation Intel(R) Processor Family I/O PMC - 9D21
Driver Provider:	INTEL
Driver Version:	10.1.1.13
Driver Date:	28-Oct-2015
DeviceInstanceId	PCI\VEN_8086&DEV_9D21&SUBSYS_111E1025&REV_21\3&11583659&1&FA

## Intel Skylake-U/Y PCH - High Definition Audio Controller [C1]

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#### [General Information]

<b>Device Name:</b>	<b>Intel Skylake-U/Y PCH - High Definition Audio Controller [C1]</b>
<b>Original Device Name:</b>	<b>Intel Skylake-U/Y PCH - High Definition Audio Controller [C1]</b>
<b>Device Class:</b>	<b>Mixed mode device</b>
Revision ID:	21 [C1]
PCI Address (Bus:Device:Function) Number:	0:31:3
PCI Latency Timer:	32
Hardware ID:	PCI\VEN_8086&DEV_9D70&SUBSYS_111E1025&REV_21

#### [System Resources]

Interrupt Line:	IRQ16
Interrupt Pin:	INTA#
Memory Base Address 0	B1638000
Memory Base Address 4	B1620000

#### [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:	10.0.10586.0
Driver Date:	29-Oct-2015
DeviceInstanceId	PCI\VEN_8086&DEV_9D70&SUBSYS_111E1025&REV_21\3&11583659&1&FB

## Intel Skylake/Kaby Lake-U/Y PCH - SMBus Host Controller [C1]

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#### [General Information]

<b>Device Name:</b>	<b>Intel Skylake/Kaby Lake-U/Y PCH - SMBus Host Controller [C1]</b>
<b>Original Device Name:</b>	<b>Intel Skylake/Kaby Lake-U/Y PCH - SMBus Host Controller [C1]</b>
<b>Device Class:</b>	<b>SMBus (System Management Bus)</b>
Revision ID:	21 [C1]
PCI Address (Bus:Device:Function) Number:	0:31:4
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_9D23&SUBSYS_111E1025&REV_21

#### [System Resources]

Interrupt Line:	N/A
Interrupt Pin:	INTA#
Memory Base Address 0	B1649000
I/O Base Address 4	3040

#### [Features]

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

#### [Driver Information]

Driver Manufacturer:	INTEL
Driver Description:	Mobile 6th Generation Intel(R) Processor Family I/O SMBUS - 9D23
Driver Provider:	INTEL
Driver Version:	10.1.1.13
Driver Date:	28-Oct-2015
DeviceInstanceId	PCI\VEN_8086&DEV_9D23&SUBSYS_111E1025&REV_21\3&11583659&1&FC

## Video Adapter

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### Intel HD Graphics 520

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#### [Video chipset]

<b>Video Chipset:</b>	<b>Intel HD Graphics 520</b>
<b>Video Chipset Codename:</b>	<b>Skylake-U GT2</b>
Video Memory:	1024 MBytes

#### [Video Card]

<b>Video Card:</b>	<b>Intel HD Grahpics 520 (Skylake-U GT2) - Integrated Graphics Controller [D0/D1] [ACER]</b>
Video Bus:	Integrated
Video RAMDAC:	Internal
Video BIOS Version:	Unknown

#### [Performance]

Video Unit Clock:	400.0 MHz
Memory Clock:	931.0 MHz
Hardware ID:	PCI\VEN_8086&DEV_1916&SUBSYS_111E1025&REV_07
PCI Location (Bus:Dev:Fnc):	0:02:0

#### [Driver Information]

Driver Manufacturer:	Intel Corporation
Driver Description:	Intel(R) HD Graphics 520
Driver Provider:	Intel Corporation
Driver Version:	20.19.15.4454
Driver Date:	04-May-2016
DeviceInstanceId	PCI\VEN_8086&DEV_1916&SUBSYS_111E1025&REV_07\3&11583659&1&10

## Monitor

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### Unknown

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#### [General information]

<b>Monitor Name:</b>	<b>Unknown</b>
<b>Monitor Name (Manuf):</b>	<b>WST KL.1200W.002</b>
Serial Number:	Unknown
Date Of Manufacture:	Week: 5, Year: 2016
Monitor Hardware ID:	Monitor\WST2216
Max. Vertical Size:	17 cm
Max. Horizontal Size:	25 cm

#### [Advanced parameters]

Input Signal:	Digital
Color Bit Depth:	8 Bits per Primary Color
Digital Video Interface Standard Supported:	DisplayPort
Display Type:	Monochrome/grey scale
Gamma Factor:	2.20

#### [DPMS Modes]

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

**[Supported Video Modes]**

2160 x 1440	254 x 169 mm, Pixel Clock 218.80 MHz
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**Drives**

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**Floppy Drives**

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**Unknown**

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**Unknown**

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**(S)ATA/ATAPI Drives**

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**LITEON CV1-8B512**

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**[General Information]**

Drive Controller:	Serial ATA 6Gb/s @ 6Gb/s
<b>Drive Model:</b>	<b>LITEON CV1-8B512</b>
Drive Revision:	G891201
Drive Serial Number:	KN5120L005615012E3HC
World Wide Name:	0000
<b>Drive Capacity:</b>	<b>488,386 MBytes (512 GB)</b>
<b>Drive Capacity [MB]:</b>	<b>488386</b>
<b>Media Rotation Rate:</b>	<b>SSD Drive (Non-rotating)</b>
ATA Major Version Supported:	ATA/ATAPI-5, ATA/ATAPI-6, ATA/ATAPI-7, ATA8-ACS, ACS-2
ATA Transport Version Supported:	SATA 3.1

**[Drive Geometry]**

Number of Cylinders:	16383
Number of Heads:	16
Sectors Per Track:	63
Number of Sectors:	16514064
Total 32-bit LBA Sectors:	268435455
Total 48-bit LBA Sectors:	1000215216
Cache Buffer Size:	N/A

**[Transfer Modes]**

Sectors Per Interrupt:	Total: 2, Active: 1
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:

Supported (Deterministic Read After TRIM, Words = 0)

**[Device flags]**

Fixed Drive:	Present
Removable Drive:	Not Present
Magnetic Storage:	Present
LBA Mode:	Supported
DMA Mode:	Supported
IODY:	Supported
IODY 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:	Not Supported, Inactive
Automatic Acoustic Management:	Not Supported, Inactive
48-bit LBA:	Supported, Active
Host-Initiated Link Power Management:	Supported
Device-Initiated Link Power Management:	Supported, Enabled
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:	Supported, Disabled
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:	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:	100/Always OK, Worst: 100
[05] Reallocated Sector Count:	100/Always OK, Worst: 100
[09] Power-On Hours/Cycle Count:	100/Always OK, Worst: 100 (Data = 92 hours / 3.8 days)
[0C] Power Cycle Count:	100/Always OK, Worst: 100 (Data = 378)
[B1] Wear Leveling Count:	100/Always OK, Worst: 100 (Data = 20230)
[B2] Used Reserved Block Count (Chip):	100/Always OK, Worst: 100
[B5] Program Fail Count (Total):	100/Always OK, Worst: 100
[B6] Erase Fail Count (Total):	100/Always OK, Worst: 100
[BB] Uncorrectable Error Count:	100/Always OK, Worst: 100
[BC] Command Timeout Count:	100/Always OK, Worst: 100 (Data = 9)
[BD] Factory Bad Block Count:	100/Always OK, Worst: 100 (Data = 29)
[BF] G-Sense Error Rate:	100/Always OK, Worst: 100
[C0] Unsafe Shutdown Count:	100/Always OK, Worst: 100 (Data = 11)
[C4] Reallocation Event Count:	100/Always OK, Worst: 100
[C6] Off-Line Uncorrectable Sector Count:	100/Always OK, Worst: 100
[C7] SATA CRC Error Count:	100/Always OK, Worst: 100

[E8] Available Reserved Space/Remaining Life:	100/10, Worst: 100 (Data = 100)
[F1] Total Host Writes:	100/Always OK, Worst: 100 (Data = 70852)
[F2] Total Host Reads:	100/Always OK, Worst: 100 (Data = 48776)
Drive Remaining Life	100%

## Audio

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### Intel Skylake-U/Y PCH - High Definition Audio Controller [C1]

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<b>Audio Adapter:</b>	<b>Intel Skylake-U/Y PCH - High Definition Audio Controller [C1]</b>
Audio Controller Hardware ID:	PCI\VEN_8086&DEV_9D70&SUBSYS_111E1025&REV_21
High Definition Audio Codec:	RealTek
Audio Codec Hardware ID:	HDAUDIO\FUNC_01&VEN_10EC&DEV_0255&SUBSYS_00000000

#### [Driver Information]

Driver Manufacturer:	Realtek
Driver Description:	Realtek High Definition Audio
Driver Provider:	Realtek Semiconductor Corp.
Driver Version:	6.0.1.7773
Driver Date:	17-Mar-2016
DeviceInstanceId	HDAUDIO\FUNC_01&VEN_10EC&DEV_0255&SUBSYS_1025111E&REV_1000\4&115DD3C6&0&0001

## Network

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### Atheros/Qualcomm QCA6174 802.11ac Wireless Network Adapter

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#### [General information]

<b>Network Card:</b>	<b>Atheros/Qualcomm QCA6174 802.11ac Wireless Network Adapter</b>
<b>Vendor Description:</b>	<b>Microsoft</b>
MAC Address:	68-14-01-7E-D5-2B

#### [Capabilities]

Maximum Link Speed:	300 Mbps
Transmit Buffer Size:	9 Bytes
Receive Buffer Size:	9 Bytes
Hardware ID:	PCI\VEN_168C&DEV_003E&SUBSYS_E09D105B&REV_32

#### [Driver Information]

Driver Manufacturer:	Qualcomm Atheros Communications Inc.
Driver Description:	Qualcomm Atheros QCA61x4A Wireless Network Adapter
Driver Provider:	Qualcomm Atheros Communications Inc.
Driver Version:	12.0.0.212
Driver Date:	04-Feb-2016
DeviceInstanceId	PCI\VEN_168C&DEV_003E&SUBSYS_E09D105B&REV_32\4&102BE959&0&00E8

## Ports

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## Serial Ports

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## Parallel Ports

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## USB

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### USB-xHCI-kompatibler Hostcontroller

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## Root Hub

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### [Port1] : No Device Connected

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### [Port2] : USB-Verbundgerät

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#### [Device Information]

Device Manufacturer:	Logitech
Product Name:	USB Receiver
Serial Number:	N/A
USB Version Supported:	2.00
USB Device Speed:	USB 1.1 Full-speed
Driver Description:	USB-Verbundgerät
Hardware ID:	USB\VID_046D&PID_C52B

#### [Driver Information]

Driver Manufacturer:	(Standard-USB-Hostcontroller)
Driver Description:	USB-Verbundgerät
Driver Provider:	Microsoft
Driver Version:	10.0.10586.0
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_046D&PID_C52B\5&385B02FC&0&2

### [Port3] : No Device Connected

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### [Port4] : USB-Verbundgerät

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#### [Device Information]

Device Manufacturer:	Chicony
Product Name:	ACER Hawaii Keyboard
Serial Number:	N/A
USB Version Supported:	2.00
USB Device Speed:	USB 1.1 Full-speed
Driver Description:	USB-Verbundgerät
Hardware ID:	USB\VID_04F2&PID_1558

#### [Driver Information]

Driver Manufacturer:	(Standard-USB-Hostcontroller)
Driver Description:	USB-Verbundgerät
Driver Provider:	Microsoft



Driver Version:	10.0.10586.0
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_04F2&PID_1558\5&385B02FC&0&4

## [Port5] : Bluetooth USB Module

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### [Device Information]

Device Manufacturer:	-
Product Name:	-
Serial Number:	-
USB Version Supported:	2.01
USB Device Speed:	USB 1.1 Full-speed
Driver Description:	Bluetooth USB Module
Hardware ID:	USB\VID_0489&PID_E09F

### [Driver Information]

Driver Manufacturer:	Qualcomm Atheros Communications
Driver Description:	Bluetooth USB Module
Driver Provider:	Qualcomm Atheros Communications
Driver Version:	10.0.0.212
Driver Date:	04-Feb-2016
DeviceInstanceId	USB\VID_0489&PID_E09F\5&385B02FC&0&5

## [Port6] : No Device Connected

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## [Port7] : USB-Verbundgerät

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### [Device Information]

Device Manufacturer:	-
Product Name:	-
Serial Number:	-
USB Version Supported:	2.00
USB Device Speed:	USB 2.0 High-speed
Driver Description:	USB-Verbundgerät
Hardware ID:	USB\VID_0BDA&PID_56C1

### [Driver Information]

Driver Manufacturer:	(Standard-USB-Hostcontroller)
Driver Description:	USB-Verbundgerät
Driver Provider:	Microsoft
Driver Version:	10.0.10586.0
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_0BDA&PID_56C1\0X0001

## [Port8] : RealTek RTS5129 USB Card Reader

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### [Device Information]

Device Manufacturer:	Generic
Product Name:	USB2.0-CRW
Serial Number:	20100201396000000
USB Version Supported:	2.00
USB Device Speed:	USB 2.0 High-speed
Driver Description:	Realtek USB 2.0 Card Reader
Hardware ID:	USB\VID_0BDA&PID_0129

### [Driver Information]

Driver Manufacturer:	Realtek Semiconductor Corp.
Driver Description:	Realtek USB 2.0 Card Reader
Driver Provider:	Realtek Semiconductor Corp.
Driver Version:	10.0.10586.31225

Driver Date:  
DeviceInstanceId

16-Jun-2016  
USB\VID\_0BDA&PID\_0129\20100201396000000

**[Port9] : No Device Connected**

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**[Port10] : No Device Connected**

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**[Port11] : No Device Connected**

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**[Port12] : No Device Connected**

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**[Port13] : No Device Connected**

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**[Port14] : No Device Connected**

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**[Port15] : No Device Connected**

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**[Port16] : No Device Connected**

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**[Port17] : No Device Connected**

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**[Port18] : No Device Connected**

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**Smart Battery**

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**Battery #0**

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**[General Properties]**

Device Name:  
Manufacturer Name:

AP16B4J  
OEM

Serial Number:	
Unique ID:	OEMAP16B4J
Chemistry:	Lithium Ion
Designed Capacity:	37012 mWh
Full Charged Capacity:	36556 mWh
Wear Level:	1.2 %

**[Current Power Status]**

Power Status:	Discharging
Current Capacity:	32095 mWh (87.8 %)
Current Voltage:	8.166 V
Discharge Rate:	-8178 mW