

HWiNFO64 v7.00-4400

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DESKTOP-BLMO74G

[Current Computer]

Computer Name:	DESKTOP-BLMO74G
Computer Brand Name:	Default string Default string

[Operating System]

Operating System:	Microsoft Windows 10 Professional (x64) Build 19041.208 (2004/May 2020 Update)
UEFI Boot:	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

Intel Celeron J3455

[General Information]

Processor Name:	Intel Celeron J3455
Original Processor Frequency:	1500.0 MHz
Original Processor Frequency [MHz]:	1500

CPU ID:	000506CA
CPU Brand Name:	Intel(R) Celeron(R) CPU J3455 @ 1.50GHz
CPU Vendor:	GenuineIntel
CPU Stepping:	F1
CPU Code Name:	Apollo Lake-I
CPU Technology:	14 nm
CPU S-Spec:	SREKK
CPU Thermal Design Power (TDP):	10.0 W
CPU Thermal Design Current (TDC):	21.0 A
CPU Power Limits (Max):	Power = Unlimited, Time = Unlimited
CPU Power Limit 1 - Long Duration:	Power = 10.00 W, Time = 8.00 sec [Unlocked]
CPU Power Limit 2 - Short Duration:	Power = 25.00 W, Time = Unlimited [Unlocked]
CPU Max. Junction Temperature (Tj,max):	105 °C
CPU Type:	Production Unit
CPU Platform:	BGA1296
Microcode Update Revision:	1A
Number of CPU Cores:	4
Number of Logical CPUs:	4

[Operating Points]

CPU MFM (LowPower):	400.0 MHz = 4 x 100.0 MHz
CPU LFM (Minimum):	800.0 MHz = 8 x 100.0 MHz
CPU HFM (Base):	1500.0 MHz = 15 x 100.0 MHz
CPU Turbo Max:	2300.0 MHz = 23 x 100.0 MHz [Unlocked]
CPU Current:	2200.2 MHz = 22 x 100.0 MHz @ 1.2050 V
Uncore Current:	533.3 MHz = 32.00 x 16.7 MHz

[Cache and TLB]

L1 Cache:	Instruction: 4 x 32 KBytes, Data: 4 x 24 KBytes
L2 Cache:	Integrated: 2 x 1 MBytes
Instruction TLB:	4-KB Pages, Fully associative, 48 entries
Data TLB:	4-KB Pages, 4-way associative, 512 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	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	Not Present
Fused Multiply Add (FMA)	Not 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	Not 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	Not 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

[Extended Feature Flags]

64-bit Extensions	Present
RDTSCP and TSC_AUX Support	Present
1 GB large page support	Present
No Execute	Present
SYSCALL/SYSRET Support	Present
Bit Manipulation Instructions Set 1	Not Present
Bit Manipulation Instructions Set 2	Not Present
Advanced Vector Extensions 2 (AVX2)	Not 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	Present
Software Guard Extensions (SGX) Support	Not 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
INVPID Instruction	Not Present
RDSEED Instruction	Present
Multi-precision Add Carry Instructions (ADX)	Not 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)	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
AVX-512 Vector Bit Manipulation Instructions 2	Not Present
AVX-512 Galois Fields New Instructions	Not Present
AVX-512 Vector AES	Not Present
AVX-512 Vector Neural Network Instructions	Not Present
AVX-512 Bit Algorithms	Not Present
AVX-512 Carry-Less Multiplication Quadword (VPCMLQDQ)	Not Present
AVX-512 Vector POPCNT (VPOPCNTD/VPOPCNTQ)	Not Present
User-Mode Instruction Prevention	Not Present
Protection Keys for User-mode Pages	Not Present
OS Enabled Protection Keys	Not Present
Wait and Pause Enhancements (WAITPKG)	Not Present
Total Memory Encryption	Not Present
Key Locker	Not Present
57-bit Linear Addresses, 5-level Paging	Not Present
Read Processor ID	Not Present
Cache Line Demote	Not Present
MOVDIRI: Direct Stores	Not Present
MOVDIR64B: Direct Stores	Not Present
ENQCMD: Enqueue Stores	Not Present
SGX Launch Configuration	Not Present
Protection Keys for Supervisor-Mode Pages	Not Present
Control-Flow Enforcement Technology (CET)	Not Present
Shadow Stack	Not Present
AVX-512 4 x Vector Neural Network Instructions	Not Present
Word Variable Precision	Not Present
AVX-512 4 x Fused Multiply Accumulation Packed Single Precision	Not Present
Fast Short REP MOV	Not Present

User Interrupts	Not Present
AVX-512 VP2INTERSECT Support	Not Present
AVX-512 FP16	Not Present
MD_CLEAR Support	Present
SERIALIZE	Not Present
Hybrid Processor	Not Present
TSX Suspend Load Address Tracking	Not Present
Platform Configuration (PCONFIG)	Not Present
Indirect Branch Restricted Speculation (IBRS), Indirect Branch Predictor Barrier (IBPB)	Present
Single Thread Indirect Branch Predictors (STIBP)	Present
L1D_FLUSH Support	Not Present
IA32_ARCH_CAPABILITIES MSR	Present
IA32_CORE_CAPABILITIES MSR	Not Present
Speculative Store Bypass Disable (SSBD)	Present
Control-Flow Enforcement Technology (CET)	Not Present
Indirect Branch Tracking	Not Present
Advanced Matrix Extensions (AMX) Tile Architecture	Not Present
Advanced Matrix Extensions (AMX) bfloat16 Support	Not Present
Advanced Matrix Extensions (AMX) 8-bit Integer Operations	Not Present
AVX (VEX-encoded) Vector Neural Network Instructions	Not Present
AVX-512 BFLOAT16 Instructions	Not Present
Fast Zero-Length MOVSB	Not Present
Fast Short STOSB	Not Present
Fast Short CMPSB, SCASB	Not Present
History Reset	Not Present
Linear Address Masking	Not Present

[Vulnerability Mitigation Mechanisms]

Rogue Data Cache Load (RDCL)	Not Susceptible
Speculative Store Bypass (SSB)	Susceptible
Microarchitectural Data Sampling (MDS)	Not Susceptible
Indirect Branch Restriction Speculation (IBRS)	Not Supported
RSB Alternate	Not Supported
L1D Flush on VM Entry Not Needed	Supported

[Enhanced Features]

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:	N/A
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
Hardware Duty Cycling:	Not Supported

[CPU SKU Features]

VT-d:	Supported
DPTF (Camarillo):	Supported
Internal Graphics:	Supported
Imaging Unit:	Supported
Shared Virtual Memory:	Supported

[Memory Ranges]

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

[MTRRs]

Range 0-80000000 (0MB-2048MB) Type:	Write Back (WB)
Range 7C000000-80000000 (1984MB-2048MB) Type:	Uncacheable (UC)
Range 7B000000-7C000000 (1968MB-1984MB) Type:	Uncacheable (UC)
Range 100000000-200000000 (4096MB-8192MB) Type:	Write Back (WB)
Range 200000000-280000000 (8192MB-10240MB) Type:	Write Back (WB)
Range FF800000-100000000 (4088MB-4096MB) Type:	Write Combining (WC)
Range 91400000-91500000 (2324MB-2325MB) Type:	Write Through (WT)

Motherboard**[Computer]**

Computer Brand Name:	Default string Default string
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[Motherboard]

Motherboard Model:	
Motherboard Chipset:	
Motherboard Slots:	2xPCI Express x1, 1xPCI Express x2, 1xPCI Express x4
PCI Express Version Supported:	v2.0
USB Version Supported:	v3.0

[BIOS]

BIOS Manufacturer:	American Megatrends
BIOS Date:	09/26/2020
BIOS Version:	5.12
UEFI BIOS:	Capable
Super-IO/LPC Chip:	ITE IT8987

ACPI Devices

Intel(R) Serial IO GPIO Host Controller - INT3452

Device Name: Intel(R) Serial IO GPIO Host Controller - INT3452

[Assigned Resources]

Memory Location: D0C50000 - D0C5076B

[Alternative 1]

Memory Location: D0C50000 - D0C5076B

IRQ: 14

Intel(R) Serial IO GPIO Host Controller - INT3452

Device Name: Intel(R) Serial IO GPIO Host Controller - INT3452

[Assigned Resources]

Memory Location: D0C40000 - D0C40763

[Alternative 1]

Memory Location: D0C40000 - D0C40763

IRQ: 14

Intel(R) Serial IO GPIO Host Controller - INT3452

Device Name: Intel(R) Serial IO GPIO Host Controller - INT3452

[Assigned Resources]

Memory Location: D0C70000 - D0C70673

[Alternative 1]

Memory Location: D0C70000 - D0C70673

IRQ: 14

Intel(R) Serial IO GPIO Host Controller - INT3452

Device Name: Intel(R) Serial IO GPIO Host Controller - INT3452

[Assigned Resources]

Memory Location: D0C00000 - D0C00653

[Alternative 1]

Memory Location:	D0C00000 - D0C00653
IRQ:	14

Trusted Platform Module 2.0

Device Name:	Trusted Platform Module 2.0
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[Assigned Resources]

Memory Location:	FED40000 - FED44FFF
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[Alternative 1]

Memory Location:	FED40000 - FED44FFF
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Programmable interrupt controller

Device Name:	Programmable interrupt controller
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[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

Device Name:	System timer
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[Assigned Resources]

I/O Port:	0040 - 0043
DMA:	0

[Alternative 1]

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

High precision event timer

Device Name:	High precision event timer
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[Assigned Resources]

Memory Location:	FED00000 - FED003FF
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[Alternative 1]

Memory Location:	FED00000 - FED003FF
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PCI Express Root Complex

Device Name:	PCI Express Root Complex
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[Assigned Resources]

I/O Port:	0000 - FFFFFFFF
I/O Port:	0D00 - FFFF
I/O Port:	0000 - FFFFFFFF
Memory Location:	000C0000 - 000BFFFF
Memory Location:	7C000001 - 7FFFFFFF

[Alternative 1]

I/O Port:	0000 - 006F
I/O Port:	0078 - 0CF7
I/O Port:	0D00 - FFFF
Memory Location:	000A0000 - 000BFFFF

Memory Location:	000C0000 - 000DFFFF
Memory Location:	000E0000 - 000FFFFFF
Memory Location:	7C000001 - 7FFFFFFF
Memory Location:	7B800001 - 7BFFFFFF
Memory Location:	80000000 - CFFFFFFF
Memory Location:	E0000000 - EFFFFFFF

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

Device Name: Motherboard resources

[Assigned Resources]

Memory Location: E0000000 - EFFFFFFF

Memory Location: FED06000 - FED06FFF

[Alternative 1]

Memory Location: E0000000 - EFFFFFFF

Memory Location: FEA00000 - FEAFFFFF

Memory Location: FED01000 - FED01FFF

Memory Location: FED03000 - FED03FFF

Memory Location: FED06000 - FED06FFF

Memory Location: FED08000 - FED09FFF

Memory Location: FED80000 - FEDBFFFF

Memory Location: FED1C000 - FED1CFFF

Memory Location: FEE00000 - FEEFFFFFF

Motherboard resources

Device Name: Motherboard resources

[Assigned Resources]

I/O Port:	002E - 002F
I/O Port:	0065
I/O Port:	0000 - 006F
I/O Port:	0092
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 - 008F
I/O Port:	0092
I/O Port:	00B2 - 00B3
I/O Port:	0680 - 069F
I/O Port:	0400 - 047F
I/O Port:	0500 - 05FE
I/O Port:	0600 - 061F
I/O Port:	164E - 164F

Microsoft ACPI-Compliant Embedded Controller

Device Name: Microsoft ACPI-Compliant Embedded Controller

[Assigned Resources]

I/O Port:	0062
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[Alternative 1]

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

SMBIOS DMI

BIOS

BIOS Vendor:	American Megatrends Inc.
BIOS Version:	5.12
BIOS Release Date:	09/26/2020
BIOS Start Segment:	F000
BIOS Size:	5120 KBytes

System BIOS Version:	5.12
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ISA Support:	Not Present
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:	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
Virtual Machine:	Not Present

System

System Manufacturer:	Default string
Product Name:	Default string
Product Version:	Default string

25/03/2021	HWiNFO64 Report
Product Serial Number:	Default string
UUID:	{FEFEFEFE-FEFE-FEFE-FEFE-FEFEFEFEFEFE}
SKU Number:	Default string
Family:	

Mainboard

Mainboard Manufacturer:	
Mainboard Name:	
Mainboard Version:	1.0
Mainboard Serial Number:	Default string
Asset Tag:	Default string
Location in chassis:	Desktop

System Enclosure

Manufacturer:	Default string
Case Type:	Desktop
Version:	Default string
Serial Number:	Default string
Asset Tag Number:	Default string

On Board Device

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

OEM Strings

	Default string
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System Configuration Options

	Default string
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System Boot Information

Boot Status: No error occurred

CPU Internal L1

Socket Designation:	CPU Internal L1
Cache State:	Enabled
Cache Location:	Internal
Cache Type:	L1
Cache Scheme:	Write-Back
Supported SRAM Type:	Synchronous
Current SRAM Type:	Synchronous
Cache Speed:	Unknown
Error Correction Type:	Parity
Maximum Cache Size:	224 KBytes
Installed Cache Size:	224 KBytes
Cache Associativity:	Unknown

CPU Internal L2

Socket Designation:	CPU Internal L2
Cache State:	Enabled
Cache Location:	Internal
Cache Type:	L2 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:	2048 KBytes
Installed Cache Size:	2048 KBytes
Cache Associativity:	16-way Set-Associative

Processor

Processor Manufacturer:	Intel
Processor Version:	Intel(R) Celeron(R) CPU J3455 @ 1.50GHz

External Clock:	100 MHz
Maximum Clock Supported:	2400 MHz
Current Clock:	1500 MHz
CPU Socket:	Populated
CPU Status:	Enabled
Processor Type:	Central Processor
Processor Voltage:	1.2 V
Processor Upgrade:	Unknown (1)
Socket Designation:	SOCKET 0

On Board Device

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

On Board Device

Device Description:	Onboard - Other
Device Type:	Unknown
Device Status:	Enabled

On Board Device

Device Description:	Onboard - Video
Device Type:	Video Adapter
Device Status:	Enabled

On Board Device

Device Description:	Onboard - Other
Device Type:	Unknown
Device Status:	Enabled

On Board Device

Device Description:	Onboard - Other
Device Type:	Unknown
Device Status:	Enabled

On Board Device

Device Description:	Onboard - Other
Device Type:	Unknown
Device Status:	Enabled

On Board Device

Device Description:	Onboard - Sound
Device Type:	Audio Device
Device Status:	Enabled

On Board Device

Device Description:	Onboard - Other
Device Type:	Unknown
Device Status:	Enabled

On Board Device

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

On Board Device

Device Description:	Onboard - Other
Device Type:	Unknown
Device Status:	Enabled

On Board Device

Device Description:	Onboard - Other
Device Type:	Unknown
Device Status:	Enabled

On Board Device

Device Description:	Onboard - Other
Device Type:	Unknown
Device Status:	Enabled

On Board Device

Device Description:	Onboard - Other
Device Type:	Unknown
Device Status:	Enabled

On Board Device

Device Description:	Onboard - Other
Device Type:	Unknown
Device Status:	Enabled

On Board Device

Device Description:	Onboard - Other
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Device Type:	Unknown
Device Status:	Enabled

On Board Device

Device Description:	Onboard - Other
Device Type:	Unknown
Device Status:	Enabled

On Board Device

Device Description:	Onboard - Other
Device Type:	Unknown
Device Status:	Enabled

On Board Device

Device Description:	Onboard - Other
Device Type:	Unknown
Device Status:	Enabled

BIOS Language

en|US|iso8859-1 <Active>

Memory Devices

Memory Device Mapped Address

Starting Address:	00000000
Ending Address:	001FFFFFF
Partition Row Position:	Unknown
Interleave Position:	1
Interleave Data Depth:	4

Memory Device Mapped Address

Starting Address:	00200000
Ending Address:	003FFFFFF
Partition Row Position:	Unknown
Interleave Position:	2
Interleave Data Depth:	4

Memory Device Mapped Address

Starting Address:	00400000
Ending Address:	005FFFFFF
Partition Row Position:	Unknown
Interleave Position:	3
Interleave Data Depth:	4

Memory Device Mapped Address

Starting Address:	00600000
Ending Address:	007FFFFFF
Partition Row Position:	Unknown
Interleave Position:	4
Interleave Data Depth:	4

Physical Memory Array

Array Location:	System board
Array Use:	System memory
Error Detecting Method:	None
Memory Capacity:	8 GBytes
Memory Devices:	4

Memory Device

Total Width:	16 bits
Data Width:	16 bits
Device Size:	2048 MBytes
Device Form Factor:	DIMM
Device Locator:	ChannelA-DIMM0
Bank Locator:	BANK 0
Device Type:	LPDDR3
Device Type Detail:	Synchronous
Memory Speed:	1600 MHz
Manufacturer:	ABCD
Serial Number:	1234
Part Number:	123456789012345678
Asset Tag:	9876543210

Memory Device

Total Width:	16 bits
Data Width:	16 bits
Device Size:	2048 MBytes
Device Form Factor:	DIMM
Device Locator:	ChannelB-DIMM0
Bank Locator:	BANK 1
Device Type:	LPDDR3
Device Type Detail:	Synchronous
Memory Speed:	1600 MHz
Manufacturer:	ABCD
Serial Number:	1234
Part Number:	123456789012345678
Asset Tag:	9876543210

Memory Device

Total Width:	16 bits
Data Width:	16 bits
Device Size:	2048 MBytes
Device Form Factor:	DIMM
Device Locator:	ChannelC-DIMM0
Bank Locator:	BANK 2
Device Type:	LPDDR3
Device Type Detail:	Synchronous

Memory Speed:	1600 MHz
Manufacturer:	ABCD
Serial Number:	1234
Part Number:	123456789012345678
Asset Tag:	9876543210

Memory Device

Total Width:	16 bits
Data Width:	16 bits
Device Size:	2048 MBytes
Device Form Factor:	DIMM
Device Locator:	ChannelD-DIMM0
Bank Locator:	BANK 3
Device Type:	LPDDR3
Device Type Detail:	Synchronous
Memory Speed:	1600 MHz
Manufacturer:	ABCD
Serial Number:	1234
Part Number:	123456789012345678
Asset Tag:	9876543210

Memory Array Mapped Address

Starting Address:	00000000
Ending Address:	007FFFFFFF
Partition Width:	4

Port Connectors

Mouse Port

Port Type:	Mouse Port
Internal Reference:	J1A1
Internal Connector Type:	None
External Reference:	PS2Mouse
External Connector Type:	PS/2

Keyboard Port

Port Type:	Keyboard Port
Internal Reference:	J1A1
Internal Connector Type:	None
External Reference:	Keyboard
External Connector Type:	PS/2

Port Connector

Port Type:	Unknown
Internal Reference:	J2A1
Internal Connector Type:	None
External Reference:	TV Out
External Connector Type:	Mini-Centronics Type-14

Serial Port 16550A Compatible

Port Type:	Serial Port 16550A Compatible
Internal Reference:	J2A2A
Internal Connector Type:	None
External Reference:	COM A
External Connector Type:	DB-9 pin male

Video Port

Port Type:	Video Port
Internal Reference:	J2A2B
Internal Connector Type:	None
External Reference:	Video
External Connector Type:	DB-15 pin female

USB

Port Type:	USB
Internal Reference:	J3A1

Internal Connector Type:	None
External Reference:	USB1
External Connector Type:	Access Bus (USB)

USB

Port Type:	USB
Internal Reference:	J3A1
Internal Connector Type:	None
External Reference:	USB2
External Connector Type:	Access Bus (USB)

USB

Port Type:	USB
Internal Reference:	J3A1
Internal Connector Type:	None
External Reference:	USB3
External Connector Type:	Access Bus (USB)

Port Connector

Port Type:	Unknown
Internal Reference:	J9A1 - TPM HDR
Internal Connector Type:	Unknown
External Reference:	
External Connector Type:	None

Port Connector

Port Type:	Unknown
Internal Reference:	J9C1 - PCIE DOCKING CONN
Internal Connector Type:	Unknown
External Reference:	
External Connector Type:	None

Port Connector

Port Type:	Unknown
Internal Reference:	J2B3 - CPU FAN
Internal Connector Type:	Unknown
External Reference:	
External Connector Type:	None

Port Connector

Port Type:	Unknown
Internal Reference:	J6C2 - EXT HDMI
Internal Connector Type:	Unknown
External Reference:	
External Connector Type:	None

Port Connector

Port Type:	Unknown
Internal Reference:	J3C1 - GMCH FAN
Internal Connector Type:	Unknown
External Reference:	
External Connector Type:	None

Port Connector

Port Type:	Unknown
Internal Reference:	J1D1 - ITP
Internal Connector Type:	Unknown
External Reference:	
External Connector Type:	None

Port Connector

Port Type:	Unknown
Internal Reference:	J9E2 - MDC INTPSR
Internal Connector Type:	Unknown
External Reference:	
External Connector Type:	None

Port Connector

Port Type: Unknown
Internal Reference: J9E4 - MDC INTPSR
Internal Connector Type: Unknown
External Reference:
External Connector Type: None

Port Connector

Port Type: Unknown
Internal Reference: J9E3 - LPC HOT DOCKING
Internal Connector Type: Unknown
External Reference:
External Connector Type: None

Port Connector

Port Type: Unknown
Internal Reference: J9E1 - SCAN MATRIX
Internal Connector Type: Unknown
External Reference:
External Connector Type: None

Port Connector

Port Type: Unknown
Internal Reference: J9G1 - LPC SIDE BAND
Internal Connector Type: Unknown
External Reference:
External Connector Type: None

Port Connector

Port Type: Unknown
Internal Reference: J8F1 - UNIFIED

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

Port Connector

Port Type:	Unknown
Internal Reference:	J6F1 - LVDS
Internal Connector Type:	Unknown
External Reference:	
External Connector Type:	None

Port Connector

Port Type:	Unknown
Internal Reference:	J2F1 - LAI FAN
Internal Connector Type:	Unknown
External Reference:	
External Connector Type:	None

Port Connector

Port Type:	Unknown
Internal Reference:	J2G1 - GFX VID
Internal Connector Type:	Unknown
External Reference:	
External Connector Type:	None

Port Connector

Port Type:	Unknown
Internal Reference:	J1G6 - AC JACK
Internal Connector Type:	Unknown
External Reference:	
External Connector Type:	None

System Slots

J6C1

Slot Designation:	J6C1
Slot Type:	PCI Express Gen2 x4
Slot Usage:	Empty
Slot Data Bus Width:	4x / x4
Slot Length:	Long
Base Bus:Device:Function Number:	0:20:1

J7C1

Slot Designation:	J7C1
Slot Type:	PCI Express Gen2 x2
Slot Usage:	Empty
Slot Data Bus Width:	2x / x2
Slot Length:	Short
Base Bus:Device:Function Number:	0:20:1

Intel ME

[ME Host Status]

ME Current Working State:	Normal
Manufacturing Mode:	Active
ME Current Operation Mode:	Normal

[Intel Manageability Engine Features]

Intel ME Version:	3.1, Build 2325, Hot Fix 70
Intel ME Recovery Image Version:	3.1, Build 2325, Hot Fix 70
Intel ME FITC Version:	3.1, Build 2325, Hot Fix 70

[ME Firmware Capabilities]

Full Network Manageability:	Not Capable
Standard Network Manageability:	Not Capable
Manageability (AMT):	Not Capable
Remote Wake Technology:	Not Capable
Quiet System Technology:	Not Capable
Intel Anti-Theft:	Not Capable
Capability Licensing Service:	Capable
Virtualization Engine:	Not Capable

Power Sharing Technology (MPC):	Capable
ICC Over Clocking:	Not Capable
Protected Audio Video Path (PAVP):	Capable
Identity Protection Technology (IPT):	Not Capable
Remote PC Assist (RPAT):	Capable
IPV6:	Not Capable
KVM Remote Control:	Not Capable
Outbreak Containment Heuristic (OCH):	Not Capable
Virtual LAN (VLAN):	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
Remote Wake Technology:	Not Capable
Quiet System Technology:	Not Capable
Intel Anti-Theft:	Disabled
Capability Licensing Service:	Enabled
Virtualization Engine:	Disabled
Power Sharing Technology (MPC):	Enabled
ICC Over Clocking:	Disabled
Protected Audio Video Path (PAVP):	Enabled
Identity Protection Technology (IPT):	Not Capable
Remote PC Assist (RPAT):	Enabled
IPV6:	Disabled
KVM Remote Control:	Disabled
Outbreak Containment Heuristic (OCH):	Disabled
Virtual LAN (VLAN):	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:	4MB Firmware
Platform Brand:	None

Memory

[General information]

Total Memory Size:	8 GBytes
Total Memory Size [MB]:	8192

[Current Performance Settings]

Maximum Supported Memory Clock:	1200.0 MHz
Current Memory Clock:	800.0 MHz
Current Timing (tCAS-tRCD-tRP-tRAS):	?-15-15-34
Memory Channels Supported:	2
Memory Channels Active:	2

Command Rate:	1T
Read to Read Delay (tRD_RD) Same Rank:	8T
Read to Read Delay (tRD_RD) Different Rank:	12T
Write to Write Delay (tWR_WR) Same Rank:	8T
Write to Write Delay (tWR_WR) Different Rank:	16T
Read to Write Delay (tRD_WR) Same Rank:	22T
Read to Write Delay (tRD_WR) Different Rank:	18T
Write to Read Delay (tWR_RD) Same Rank (tWTR):	29T
Write to Read Delay (tWR_RD) Different Rank:	12T
Read to Precharge Delay (tRTP):	8T
Write to Precharge Delay (tWTP):	36T
Write Recovery Time (tWR):	25T
RAS# to RAS# Delay (tRRD):	8T
Four Activate Window (tFAW):	32T

Bus**PCI Bus #0****Intel Apollo Lake SoC - Host Bridge (C-Unit) [F1]****[General Information]**

Device Name:	Intel Apollo Lake SoC - Host Bridge (C-Unit) [F1]
Original Device Name:	Intel Apollo Lake SoC - Host Bridge (C-Unit) [F1]

Device Class:**Host-to-PCI Bridge**

Revision ID:

D [F1]

PCI Address (Bus:Device:Function) Number:

0:0:0

PCI Latency Timer:

0

Hardware ID:

PCI\VEN_8086&DEV_5AF0&SUBSYS_72708086&REV_0D

[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:

Intel(R) Celeron(R)/Pentium(R) Processor Host bridge - 5AF0

Driver Provider:

INTEL

Driver Version:

10.1.17.1

DeviceInstanceID

PCI\VEN_8086&DEV_5AF0&SUBSYS_72708086&REV_0D\3&11583659&1&00

Location Paths

PCIROOT(0)#PCI(0000)

Intel Apollo Lake SoC - Graphics and Display Controller (12 EU)

[General Information]**Device Name:****Intel Apollo Lake SoC - Graphics and Display Controller (12 EU)****Original Device Name:****Intel Apollo Lake SoC - Graphics and Display Controller (12 EU)****Device Class:****VGA Compatible Adapter**

Revision ID:

D

PCI Address (Bus:Device:Function) Number:

0:2:0

PCI Latency Timer:

0

Hardware ID:

PCI\VEN_8086&DEV_5A85&SUBSYS_22128086&REV_0D

[PCI Express]

Version:

2.0

Current Link Width:

Not negotiated

Maximum Link Speed:

5.0 GT/s

Device/Port Type:

Root Complex Integrated Endpoint

Slot Implemented:

No

Emergency Power Reduction:

Not Supported

Active State Power Management (ASPM) Support:

None

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#
Memory Base Address 0	90000000
Memory Base Address 2	80000000
I/O Base Address 4	F000

[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
Driver Provider:	Intel Corporation
Driver Version:	24.20.100.6026
Driver Date:	25-Apr-2018
DCH/UWD Driver:	Capable
DeviceInstanceID	PCI\VEN_8086&DEV_5A85&SUBSYS_22128086&REV_0D\3&11583659&1&10
Location Paths	PCIROOT(0)#PCI(0200)

Intel Apollo Lake SoC - High Definition Audio Controller

[General Information]

Device Name:	Intel Apollo Lake SoC - High Definition Audio Controller
Original Device Name:	Intel Apollo Lake SoC - High Definition Audio Controller
Device Class:	High Definition Audio
Revision ID:	D
PCI Address (Bus:Device:Function) Number:	0:14:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_5A98&SUBSYS_72708086&REV_0D

[PCI Express]

Version:	1.1
Current Link Width:	1x
Current Link Speed:	16.0 GT/s
Device/Port Type:	Root Complex Integrated Endpoint
Slot Implemented:	No
Emergency Power Reduction:	Not Supported
Active State Power Management (ASPM) Support:	None
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:	IRQ25
Interrupt Pin:	INTA#
Memory Base Address 0	91310000
Memory Base Address 4	91000000

[Features]

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

[Driver Information]

Driver Manufacturer:	Microsoft
Driver Description:	Contrôleur High Definition Audio
Driver Provider:	Microsoft
Driver Version:	10.0.19041.1
Driver Date:	06-Dec-2019
DeviceInstanceID	PCI\VEN_8086&DEV_5A98&SUBSYS_72708086&REV_0D\3&11583659&1&70
Location Paths	PCIROOT(0)#PCI(0E00)

Intel Apollo Lake SoC - TXE HECI1

[General Information]

Device Name:	Intel Apollo Lake SoC - TXE HECI1
Original Device Name:	Intel Apollo Lake SoC - TXE HECI1
Device Class:	Other Communication Device
Revision ID:	D
PCI Address (Bus:Device:Function) Number:	0:15:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_5A9A&SUBSYS_72708086&REV_0D

[System Resources]

Interrupt Line:	N/A
Interrupt Pin:	INTA#
Memory Base Address 0	91327000

[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) Trusted Execution Engine Interface

Driver Provider:	Intel
Driver Version:	3.0.0.1115
Driver Date:	23-Jul-2016
DeviceInstanceId	PCI\VEN_8086&DEV_5A9A&SUBSYS_72708086&REV_0D\3&11583659&1&78
Location Paths	PCIROOT(0)#PCI(0F00)

Intel Apollo Lake SoC - SATA Controller

[General Information]

Device Name:	Intel Apollo Lake SoC - SATA Controller
Original Device Name:	Intel Apollo Lake SoC - SATA Controller
Device Class:	SATA AHCI Controller
Revision ID:	D
PCI Address (Bus:Device:Function) Number:	0:18:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_5AE3&SUBSYS_72708086&REV_0D

[System Resources]

Interrupt Line:	N/A
Interrupt Pin:	INTA#
Memory Base Address 0	91314000
Memory Base Address 1	91324000
I/O Base Address 2	F090
I/O Base Address 3	F080
I/O Base Address 4	F060
Memory Base Address 5	91323000

[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:	2
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

[SATA Port#0]

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

Device Type: SATA

[SATA Port#1]

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

[Driver Information]

Driver Manufacturer: Contrôleur AHCI SATA standard
Driver Description: Contrôleur AHCI SATA standard
Driver Provider: Microsoft
Driver Version: 10.0.19041.1
Driver Date: 21-Jun-2006
DeviceInstanceID: PCI\VEN_8086&DEV_5AE3&SUBSYS_72708086&REV_0D\3&11583659&1&90
Location Paths: PCIROOT(0)#PCI(1200)

Intel Apollo Lake SoC - PCIe Root Port A #2

[General Information]

Device Name: Intel Apollo Lake SoC - PCIe Root Port A #2
Original Device Name: Intel Apollo Lake SoC - PCIe Root Port A #2
Device Class: PCI-to-PCI Bridge
Revision ID: FD
PCI Address (Bus:Device:Function) Number: 0:19:0
PCI Latency Timer: 0
Hardware ID: PCI\VEN_8086&DEV_5ADA&SUBSYS_00000000&REV_FD

[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: 512 ns - 1 us
L1 Exit Latency: 2 - 4 us
Maximum Payload Size Supported: 256 bytes
Maximum Payload Size: 128 bytes

[System Resources]

Interrupt Line: N/A
Interrupt Pin: INTC#

[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) Celeron(R)/Pentium(R) Processor PCI Express Root Port - 5ADA
Driver Provider: INTEL
Driver Version: 10.1.17.1
DeviceInstanceID: PCI\VEN_8086&DEV_5ADA&SUBSYS_00000000&REV_FD\3&11583659&1&98
Location Paths: PCIROOT(0)#PCI(1300)

PCI Express x1 Bus #1

RealTek Semiconductor RTL8168/8111 PCI-E Gigabit Ethernet NIC

[General Information]

Device Name: RealTek Semiconductor RTL8168/8111 PCI-E Gigabit Ethernet NIC
Original Device Name: RealTek Semiconductor RTL8168/8111 PCI-E Gigabit Ethernet NIC
Device Class: Ethernet Adapter
Revision ID: 7
PCI Address (Bus:Device:Function) Number: 1:0:0
PCI Latency Timer: 0
Hardware ID: PCI\VEN_10EC&DEV_8168&SUBSYS_012310EC&REV_07

[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: 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:	>4 us
L1 Exit Latency:	32 - 64 us
Maximum Payload Size Supported:	128 bytes
Maximum Payload Size:	128 bytes

[System Resources]

Interrupt Line:	N/A
Interrupt Pin:	INTA#
I/O Base Address 0	E000
Memory Base Address 2	91200000
Memory Base Address 4	91400000

[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:	10.28.615.2018
Driver Date:	15-Jun-2018
DeviceInstanceID	PCI\VEN_10EC&DEV_8168&SUBSYS_012310EC&REV_07\010000000684CE00000
Location Paths	PCIROOT(0)#PCI(1300)#PCI(0000)

Intel Apollo Lake SoC - PCIe Root Port B #1**[General Information]**

Device Name:	Intel Apollo Lake SoC - PCIe Root Port B #1
Original Device Name:	Intel Apollo Lake SoC - PCIe Root Port B #1
Device Class:	PCI-to-PCI Bridge
Revision ID:	FD
PCI Address (Bus:Device:Function) Number:	0:20:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_5AD7&SUBSYS_00000000&REV_FD

[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:	L0s Entry
L0s Exit Latency:	512 ns - 1 us
L1 Exit Latency:	2 - 4 us
Maximum Payload Size Supported:	256 bytes
Maximum Payload Size:	128 bytes

[System Resources]

Interrupt Line:	N/A
Interrupt Pin:	INTB#

[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) Celeron(R)/Pentium(R) Processor PCI Express Root Port - 5AD7
Driver Provider:	INTEL
Driver Version:	10.1.17.1
DeviceInstanceID	PCI\VEN_8086&DEV_5AD7&SUBSYS_00000000&REV_FD\3&11583659&1&A0
Location Paths	PCIROOT(0)#PCI(1400)

PCI Express x1 Bus #2

RealTek Semiconductor, Device ID: C821

[General Information]

Device Name:	RealTek Semiconductor, Device ID: C821
Original Device Name:	RealTek Semiconductor, Device ID: C821
Device Class:	Other Network Adapter
Revision ID:	0
PCI Address (Bus:Device:Function) Number:	2:0:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_10EC&DEV_C821&SUBSYS_C82110EC&REV_00

[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:	L0s Entry
L0s Exit Latency:	1 - 2 us
L1 Exit Latency:	32 - 64 us
Maximum Payload Size Supported:	128 bytes
Maximum Payload Size:	128 bytes

[System Resources]

Interrupt Line:	N/A
Interrupt Pin:	INTA#
I/O Base Address 0	DF00
Memory Base Address 2	911F0000

[Features]

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

[Driver Information]

Driver Manufacturer:	Realtek Semiconductor Corp.
Driver Description:	Carte d'interface réseau local sans fil 802.11ac PCI-E Realtek 8821CE
Driver Provider:	Microsoft
Driver Version:	2024.0.8.108
Driver Date:	05-Jun-2019
DeviceInstanceID	PCI\VEN_10EC&DEV_C821&SUBSYS_C82110EC&REV_00\00E04CFFFE8210100
Location Paths	PCIROOT(0)#PCI(1400)#PCI(0000)

Intel Apollo Lake SoC - USB Host 3.0 Controller (xHCI)

[General Information]

Device Name:	Intel Apollo Lake SoC - USB Host 3.0 Controller (xHCI)
Original Device Name:	Intel Apollo Lake SoC - USB Host 3.0 Controller (xHCI)
Device Class:	USB xHCI Controller
Revision ID:	D
PCI Address (Bus:Device:Function) Number:	0:21:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_5AA8&SUBSYS_72708086&REV_0D

[System Resources]

Interrupt Line:	N/A
Interrupt Pin:	INTA#
Memory Base Address 0	91300000

[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:	Contrôleur d'hôte xHCI USB générique
Driver Description:	Contrôleur d'hôte compatible xHCI USB
Driver Provider:	Microsoft
Driver Version:	10.0.19041.1
Driver Date:	06-Dec-2019
DeviceInstanceId	PCI\VEN_8086&DEV_5AA8&SUBSYS_72708086&REV_0D\3&11583659&1&A8
Location Paths	PCIROOT(0)#PCI(1500)

USB Root Hub

[Port1] : No Device Connected

[Port2] : No Device Connected

[Port3] : Kingston Technology DataTraveler G4

[Device Information]

Device Manufacturer:	Kingston
Product Name:	DataTraveler 3.0
Serial Number:	E0D55E6A0DEBB3B1496600D4
USB Version Supported:	3.00 (Connected to a USB 2.00 Port)
USB Device Speed:	USB 2.0 High-speed
Driver Description:	Dispositif de stockage de masse USB
Hardware ID:	USB\VID_0951&PID_1666

[Driver Information]

Driver Manufacturer:	Dispositif de stockage USB compatible
Driver Description:	Dispositif de stockage de masse USB
Driver Provider:	Microsoft
Driver Version:	10.0.19041.1
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_0951&PID_1666\E0D55E6A0DEBB3B1496600D4
Location Paths	PCIROOT(0)#PCI(1500)#USBROOT(0)#USB(3)

[Port4] : No Device Connected

[Port5] : No Device Connected

[Port6] : Logitech Unifying USB Receiver Keyboard

[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:	Périphérique USB composite
Hardware ID:	USB\VID_046D&PID_C52B

[Driver Information]

Driver Manufacturer:	(Contrôleur hôte USB standard)
Driver Description:	Périphérique USB composite
Driver Provider:	Microsoft
Driver Version:	10.0.19041.1
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_046D&PID_C52B\5&3640D448&0&6
Location Paths	PCIROOT(0)#PCI(1500)#USBROOT(0)#USB(6)

[Port7] : Realtek Semiconductor Realtek Bluetooth Adapter

[Device Information]

Device Manufacturer:	Realtek Semiconductor
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Product Name:	Realtek Semiconductor Realtek Bluetooth Adapter
Serial Number:	-
USB Version Supported:	1.10
USB Device Speed:	USB 1.1 Full-speed
Driver Description:	Generic Bluetooth Adapter
Hardware ID:	USB\VID_0BDA&PID_C821

[Driver Information]

Driver Manufacturer:	GenericAdapter
Driver Description:	Generic Bluetooth Adapter
Driver Provider:	Microsoft
Driver Version:	10.0.19041.1
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_0BDA&PID_C821\00E04C000001
Location Paths	PCIROOT(0)#PCI(1500)#USBROOT(0)#USB(7)

[Port8] : C-MEDIA ELECTRONICS INC. Audio Adapter (Unitek Y-247A)

[Device Information]

Device Manufacturer:	C-Media Electronics Inc.
Product Name:	USB Audio Device
Serial Number:	N/A
USB Version Supported:	1.10
USB Device Speed:	USB 1.1 Full-speed
Driver Description:	Périphérique USB composite
Hardware ID:	USB\VID_0D8C&PID_0014

[Driver Information]

Driver Manufacturer:	(Contrôleur hôte USB standard)
Driver Description:	Périphérique USB composite
Driver Provider:	Microsoft
Driver Version:	10.0.19041.1
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_0D8C&PID_0014\5&3640D448&0&8
Location Paths	PCIROOT(0)#PCI(1500)#USBROOT(0)#USB(8)

[Port9] : No Device Connected

[Port10] : No Device Connected

[Port11] : No Device Connected

[Port12] : No Device Connected

[Port13] : No Device Connected

[Port14] : No Device Connected

[Port15] : No Device Connected

Intel Apollo Lake SoC - SPI Controller 0

[General Information]

Device Name:	Intel Apollo Lake SoC - SPI Controller 0
Original Device Name:	Intel Apollo Lake SoC - SPI Controller 0
Device Class:	Other Data Acquisition/Signal Processing Controller
Revision ID:	D
PCI Address (Bus:Device:Function) Number:	0:25:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_5AC2&SUBSYS_72708086&REV_0D

[System Resources]

Interrupt Line:	IRQ35
Interrupt Pin:	INTA#
Memory Base Address 0	91322000
Memory Base Address 2	91321000

[Features]

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

Not Capable
Not Capable

[Driver Information]

Driver Manufacturer:	Intel Corporation
Driver Description:	Intel(R) Serial IO SPI Host Controller - 5AC2
Driver Provider:	Intel Corporation
Driver Version:	30.100.1631.3
Driver Date:	27-Jul-2016
DeviceInstanceId	PCI\VEN_8086&DEV_5AC2&SUBSYS_72708086&REV_0D\3&11583659&1&C8
Location Paths	PCIROOT(0)#PCI(1900)

Intel Apollo Lake SoC - SPI Controller 1

[General Information]

Device Name:	Intel Apollo Lake SoC - SPI Controller 1
Original Device Name:	Intel Apollo Lake SoC - SPI Controller 1
Device Class:	Other Data Acquisition/Signal Processing Controller
Revision ID:	D
PCI Address (Bus:Device:Function) Number:	0:25:1
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_5AC4&SUBSYS_72708086&REV_0D

[System Resources]

Interrupt Line:	IRQ36
Interrupt Pin:	INTB#
Memory Base Address 0	91320000
Memory Base Address 2	9131F000

[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 SPI Host Controller - 5AC4
Driver Provider:	Intel Corporation
Driver Version:	30.100.1631.3
Driver Date:	27-Jul-2016
DeviceInstanceId	PCI\VEN_8086&DEV_5AC4&SUBSYS_72708086&REV_0D\3&11583659&1&C9
Location Paths	PCIROOT(0)#PCI(1901)

Intel Apollo Lake SoC - SPI Controller 2

[General Information]

Device Name:	Intel Apollo Lake SoC - SPI Controller 2
Original Device Name:	Intel Apollo Lake SoC - SPI Controller 2
Device Class:	Other Data Acquisition/Signal Processing Controller
Revision ID:	D
PCI Address (Bus:Device:Function) Number:	0:25:2
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_5AC6&SUBSYS_72708086&REV_0D

[System Resources]

Interrupt Line:	IRQ37
Interrupt Pin:	INTC#
Memory Base Address 0	9131E000
Memory Base Address 2	9131D000

[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 SPI Host Controller - 5AC6
Driver Provider:	Intel Corporation
Driver Version:	30.100.1631.3
Driver Date:	27-Jul-2016
DeviceInstanceId	PCI\VEN_8086&DEV_5AC6&SUBSYS_72708086&REV_0D\3&11583659&1&CA
Location Paths	PCIROOT(0)#PCI(1902)

Intel Apollo Lake SoC - SD Card Controller

[General Information]

Device Name:	Intel Apollo Lake SoC - SD Card Controller
Original Device Name:	Intel Apollo Lake SoC - SD Card Controller
Device Class:	SD Host Controller
Revision ID:	D
PCI Address (Bus:Device:Function) Number:	0:27:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_5ACA&SUBSYS_72708086&REV_0D

[System Resources]

Interrupt Line:	IRQ3
Interrupt Pin:	INTA#
Memory Base Address 0	9131C000
Memory Base Address 2	9131B000

[Features]

Bus Mastering:	Disabled
Running At 66 MHz:	Not Capable

Fast Back-to-Back Transactions:

Not Capable

[Driver Information]

Driver Manufacturer:	Intel
Driver Description:	Contrôleur hôte numérique sécurisé Intel
Driver Provider:	Microsoft
Driver Version:	10.0.19041.1
Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_8086&DEV_5ACA&SUBSYS_72708086&REV_0D\3&11583659&1&D8
Location Paths	PCIROOT(0)#PCI(1B00)

Intel Apollo Lake SoC - eMMC Controller

[General Information]

Device Name:	Intel Apollo Lake SoC - eMMC Controller
Original Device Name:	Intel Apollo Lake SoC - eMMC Controller
Device Class:	SD Host Controller
Revision ID:	D
PCI Address (Bus:Device:Function) Number:	0:28:0
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_5ACC&SUBSYS_72708086&REV_0D

[System Resources]

Interrupt Line:	IRQ39
Interrupt Pin:	INTA#
Memory Base Address 0	9131A000
Memory Base Address 2	91319000

[Features]

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

[Driver Information]

Driver Manufacturer:	Intel
Driver Description:	Contrôleur d'hôte SD Intel
Driver Provider:	Microsoft
Driver Version:	10.0.19041.1
Driver Date:	21-Jun-2006
DeviceInstanceId	PCI\VEN_8086&DEV_5ACC&SUBSYS_72708086&REV_0D\3&11583659&1&E0
Location Paths	PCIROOT(0)#PCI(1C00)

Intel Apollo Lake SoC - SDIO Host Controller

[General Information]

Device Name:	Intel Apollo Lake SoC - SDIO Host Controller
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Original Device Name:**Intel Apollo Lake SoC - SDIO Host Controller****Device Class:****SD Host Controller**

Revision ID:

D

PCI Address (Bus:Device:Function) Number:

0:30:0

PCI Latency Timer:

0

Hardware ID:

PCI\VEN_8086&DEV_5AD0&SUBSYS_72708086&REV_0D

[System Resources]

Interrupt Line:

IRQ42

Interrupt Pin:

INTA#

Memory Base Address 0

91318000

Memory Base Address 2

91317000

[Features]

Bus Mastering:

Disabled

Running At 66 MHz:

Not Capable

Fast Back-to-Back Transactions:

Not Capable

[Driver Information]

Driver Manufacturer:

Intel

Driver Description:

Contrôleur hôte numérique sécurisé Intel

Driver Provider:

Microsoft

Driver Version:

10.0.19041.1

Driver Date:

21-Jun-2006

DeviceInstanceID

PCI\VEN_8086&DEV_5AD0&SUBSYS_72708086&REV_0D\3&11583659&1&F0

Location Paths

PCIROOT(0)#PCI(1E00)

Intel Apollo Lake SoC - LPC Controller

[General Information]**Device Name:****Intel Apollo Lake SoC - LPC Controller****Original Device Name:****Intel Apollo Lake SoC - LPC Controller****Device Class:****PCI-to-ISA Bridge**

Revision ID:

D

PCI Address (Bus:Device:Function) Number:

0:31:0

PCI Latency Timer:

0

Hardware ID:

PCI\VEN_8086&DEV_5AE8&SUBSYS_72708086&REV_0D

[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:	Intel(R) Celeron(R)/Pentium(R) Processor LPC Controller/eSPI Controller - 5AE8
Driver Provider:	INTEL
Driver Version:	10.1.17.1
DeviceInstanceID	PCI\VEN_8086&DEV_5AE8&SUBSYS_72708086&REV_0D\3&11583659&1&F8
Location Paths	PCIROOT(0)#PCI(1F00)

Intel Apollo Lake SoC - SMBus Host Controller

[General Information]

Device Name:	Intel Apollo Lake SoC - SMBus Host Controller
Original Device Name:	Intel Apollo Lake SoC - SMBus Host Controller
Device Class:	SMBus (System Management Bus)
Revision ID:	D
PCI Address (Bus:Device:Function) Number:	0:31:1
PCI Latency Timer:	0
Hardware ID:	PCI\VEN_8086&DEV_5AD4&SUBSYS_72708086&REV_0D

[System Resources]

Interrupt Line:	IRQ7
Interrupt Pin:	INTA#
Memory Base Address 0	91316000
I/O Base Address 4	F040

[Features]

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

[Driver Information]

Driver Manufacturer:	INTEL
Driver Description:	Intel(R) Celeron(R)/Pentium(R) Processor SMBUS - 5AD4
Driver Provider:	INTEL
Driver Version:	10.1.17.1
DeviceInstanceID	PCI\VEN_8086&DEV_5AD4&SUBSYS_72708086&REV_0D\3&11583659&1&F9
Location Paths	PCIROOT(0)#PCI(1F01)

Video Adapter

Intel HD Graphics Gen9-LP

[Video chipset]

Video Chipset:	Intel HD Graphics Gen9-LP
Video Chipset Codename:	Apollo Lake, 12 EU
Video Memory:	1024 MBytes

[Video Card]

Video Card:	Intel Apollo Lake SoC - Graphics and Display Controller (12 EU) [Intel]
Video Bus:	Integrated
Video RAMDAC:	Internal

[Performance]

Video Unit Clock:	450.0 MHz
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Hardware ID:	PCI\VEN_8086&DEV_5A85&SUBSYS_22128086&REV_0D
PCI Location (Bus:Dev:Fnc):	0:02:0

[Driver Information]

Driver Manufacturer:	Intel Corporation
Driver Description:	Intel(R) HD Graphics
Driver Provider:	Intel Corporation
Driver Version:	24.20.100.6026
Driver Date:	25-Apr-2018
DCH/UWD Driver:	Capable
DeviceInstanceId	PCI\VEN_8086&DEV_5A85&SUBSYS_22128086&REV_0D\3&11583659&1&10
Location Paths	PCIROOT(0)#PCI(0200)

Monitor

TCL [Unknown Model: TCL0000]

[General information]

Monitor Name:	TCL [Unknown Model: TCL0000]
Monitor Name (Manuf):	DTV
Serial Number:	16843009
Date Of Manufacture:	Week: 9, Year: 2009
Monitor Hardware ID:	Monitor\TCL0000
Max. Vertical Size:	32 cm
Max. Horizontal Size:	58 cm
Horizontal Frequency:	14 - 70 kHz
Vertical Frequency:	48 - 62 Hz
Maximum Pixel Clock:	160 MHz

[Advanced parameters]

Input Signal:	Digital
Gamma Factor:	2.20

[DPMS Modes]

Standby:	Not Supported
Suspend:	Not Supported
Active Off:	Not Supported
Standard Colour Space (sRGB) Default:	Not Supported
Preferred Timing Mode:	Supported
Default GTF (Continuous Frequency):	Not Supported
DFP 1.x Compatible:	No

[Supported Video Modes]

1360 x 768	580 x 320 mm, Pixel Clock 85.50 MHz
1280 x 720	580 x 320 mm, Pixel Clock 74.25 MHz

Drives

(S)ATA/ATAPI Drives

mSATA SSD

[General Information]

Drive Controller:	Serial ATA 6Gb/s @ 6Gb/s
Host Controller:	Intel Apollo Lake SoC - SATA Controller
Drive Model:	mSATA SSD
Drive Firmware Revision:	SBFQE1.3
Drive Serial Number:	201912161300
Drive Capacity:	244,198 MBytes (256 GB)
Drive Capacity [MB]:	244198
Media Rotation Rate:	SSD Drive (Non-rotating)
Nominal Form Factor:	mSATA
ATA Major Version Supported:	ATA/ATAPI-5, ATA/ATAPI-6, ATA/ATAPI-7, ATA8-ACS, ACS-2, ACS-3, ACS-4
ATA Transport Version Supported:	SATA 3.2

[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:	500118192
Logical Sector Size:	512 Bytes
Cache Buffer Size:	N/A

[Transfer Modes]

Sectors Per Interrupt:	Total: 16, Active: 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: 5 (ATA-100)
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 (Indeterminate Read After TRIM)

[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:	Not Supported, Inactive
Automatic Acoustic Management:	Not Supported, Inactive
48-bit LBA:	Supported, Active
Host-Initiated Link Power Management:	Not 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
Out Of Band Management Interface:	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:	100/50, Worst: 100
[05] Reallocated Sector Count:	100/50, Worst: 100
[09] Power-On Hours/Cycle Count:	100/Always OK, Worst: 100 (168 hours / 7.0 days)
[0C] Power Cycle Count:	100/Always OK, Worst: 100 (Data = 14,0)
[A1] Current Bad Block Count:	100/Always OK, Worst: 100 (Data = 255,0)
[A3] Max PE Cycle:	100/50, Worst: 100 (Data = 78,0)
[A5] Initial Bad Block Count:	100/Always OK, Worst: 100 (Data = 1,0)
[A6] Min W/E Cycle:	100/Always OK, Worst: 100
[A7] SSD Protect Mode:	100/Always OK, Worst: 100
[AC] Erase Fail Count (Total):	100/Always OK, Worst: 100
[AD] Wear Leveling Count/Erase Count:	100/Always OK, Worst: 100
[C0] Unsafe Shutdown Count:	100/Always OK, Worst: 100 (Data = 5,0)
[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:	100/50, Worst: 100
[F1] Total Host Writes:	100/Always OK, Worst: 100 (Data = 42,0)
[F2] Total Host Reads:	100/Always OK, Worst: 100 (Data = 39,0)

Drive Remaining Life 100%

[Device Statistics]

Lifetime Power-On Resets:	14
Power-on Hours:	168
Logical Sectors Written:	89707472
Logical Sectors Read:	83855034

Number of Reported Uncorrectable Errors: 0

Current Temperature: 33 °C
Lifetime Temperature: 33 - 33 °C

Number of Interface CRC Errors: 0

Used Endurance Indicator:

0%

Audio

Intel Apollo Lake SoC - High Definition Audio Controller

Audio Adapter: Intel Apollo Lake SoC - High Definition Audio Controller

Audio Controller Hardware ID: PCI\VEN_8086&DEV_5A98&SUBSYS_72708086&REV_0D

High Definition Audio Codec: Intel Broxton HDMI

Audio Codec Hardware ID: HDAUDIO\FUNC_01&VEN_8086&DEV_280A&SUBSYS_80860101&REV_1000

[Driver Information]

Driver Manufacturer: Intel(R) Corporation

Driver Description: Son Intel(R) pour écrans

Driver Provider: Intel(R) Corporation

Driver Version: 10.25.0.5

Driver Date: 06-Apr-2018

DeviceInstanceId: HDAUDIO\FUNC_01&VEN_8086&DEV_280A&SUBSYS_80860101&REV_1000\4&2DF543&0&0201

Network

RealTek Semiconductor RTL8168/8111 PCI-E Gigabit Ethernet NIC

[General information]

Network Card: RealTek Semiconductor RTL8168/8111 PCI-E Gigabit Ethernet NIC

Vendor Description: Realtek PCIe GbE Family Controller

MAC Address: 68-1D-EF-24-47-A1

[Capabilities]

Maximum Link Speed: 1000 Mbps

Transmit Buffer Size: 193792 Bytes

Receive Buffer Size: 775168 Bytes

Hardware ID: PCI\VEN_10EC&DEV_8168&SUBSYS_012310EC&REV_07

[Driver Information]

25/03/2021

HWiNFO64 Report

Driver Manufacturer:	Realtek
Driver Description:	Realtek PCIe GbE Family Controller
Driver Provider:	Realtek
Driver Version:	10.28.615.2018
Driver Date:	15-Jun-2018
DeviceInstanceId	PCI\VEN_10EC&DEV_8168&SUBSYS_012310EC&REV_07\01000000684CE00000
Location Paths	PCIROOT(0)#PCI(1300)#PCI(0000)

RealTek Semiconductor, Device ID: C821

[General information]

Network Card:	RealTek Semiconductor, Device ID: C821
Vendor Description:	Microsoft
MAC Address:	38-CA-73-08-C6-F6

[Capabilities]

Maximum Link Speed:	54 Mbps
Transmit Buffer Size:	9 Bytes
Receive Buffer Size:	9 Bytes
Hardware ID:	PCI\VEN_10EC&DEV_C821&SUBSYS_C82110EC&REV_00

[Driver Information]

Driver Manufacturer:	Realtek Semiconductor Corp.
Driver Description:	Carte d’interface réseau local sans fil 802.11ac PCI-E Realtek 8821CE
Driver Provider:	Microsoft
Driver Version:	2024.0.8.108
Driver Date:	05-Jun-2019
DeviceInstanceId	PCI\VEN_10EC&DEV_C821&SUBSYS_C82110EC&REV_00\00E04CFFFE8210100
Location Paths	PCIROOT(0)#PCI(1400)#PCI(0000)

Ports

Serial Ports

USB

Contrôleur hôte Intel(R) USB 3.0 eXtensible - 1.0 (Microsoft)

Root Hub

[Port1] : No Device Connected

[Port2] : No Device Connected

[Port3] : Kingston Technology DataTraveler G4

[Device Information]

Device Manufacturer:	Kingston
Product Name:	DataTraveler 3.0
Serial Number:	E0D55E6A0DEBB3B1496600D4
USB Version Supported:	3.00 (Connected to a USB 2.00 Port)
USB Device Speed:	USB 2.0 High-speed
Driver Description:	Dispositif de stockage de masse USB
Hardware ID:	USB\VID_0951&PID_1666

[Driver Information]

Driver Manufacturer:	Dispositif de stockage USB compatible
Driver Description:	Dispositif de stockage de masse USB
Driver Provider:	Microsoft
Driver Version:	10.0.19041.1
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_0951&PID_1666\E0D55E6A0DEBB3B1496600D4
Location Paths	PCIROOT(0)#PCI(1500)#USBROOT(0)#USB(3)

[Port4] : No Device Connected

[Port5] : No Device Connected

[Port6] : Logitech Unifying USB Receiver Keyboard

[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:	Périphérique USB composite
Hardware ID:	USB\VID_046D&PID_C52B

[Driver Information]

Driver Manufacturer:	(Contrôleur hôte USB standard)
Driver Description:	Périphérique USB composite
Driver Provider:	Microsoft
Driver Version:	10.0.19041.1
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_046D&PID_C52B\5&3640D448&0&6
Location Paths	PCIROOT(0)#PCI(1500)#USBROOT(0)#USB(6)

[Port7] : Realtek Semiconductor Realtek Bluetooth Adapter

[Device Information]

Device Manufacturer:	Realtek Semiconductor
Product Name:	Realtek Semiconductor Realtek Bluetooth Adapter
Serial Number:	-
USB Version Supported:	1.10
USB Device Speed:	USB 1.1 Full-speed
Driver Description:	Generic Bluetooth Adapter
Hardware ID:	USB\VID_0BDA&PID_C821

[Driver Information]

Driver Manufacturer:	GenericAdapter
Driver Description:	Generic Bluetooth Adapter
Driver Provider:	Microsoft
Driver Version:	10.0.19041.1
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_0BDA&PID_C821\00E04C000001
Location Paths	PCIROOT(0)#PCI(1500)#USBROOT(0)#USB(7)

[Port8] : C-MEDIA ELECTRONICS INC. Audio Adapter (Unitek Y-247A)

[Device Information]

Device Manufacturer:	C-Media Electronics Inc.
Product Name:	USB Audio Device
Serial Number:	N/A
USB Version Supported:	1.10
USB Device Speed:	USB 1.1 Full-speed
Driver Description:	Périphérique USB composite
Hardware ID:	USB\VID_0D8C&PID_0014

[Driver Information]

Driver Manufacturer:	(Contrôleur hôte USB standard)
Driver Description:	Périphérique USB composite
Driver Provider:	Microsoft
Driver Version:	10.0.19041.1
Driver Date:	21-Jun-2006
DeviceInstanceId	USB\VID_0D8C&PID_0014\5&3640D448&0&8
Location Paths	PCIROOT(0)#PCI(1500)#USBROOT(0)#USB(8)

[Port9] : No Device Connected

[Port10] : No Device Connected

[Port11] : No Device Connected

[Port12] : No Device Connected

[Port13] : No Device Connected

[Port14] : No Device Connected

[Port15] : No Device Connected
