	Dettagli	Specifiche	soket	over	clock	Link
Cpu	Intel Core i5 9600K	Intel(R) Core(TM) i5-9600K CPU @ 3.70GHz	Socket 1151 LGA	4297.7 MHz	3700 MHz	<u>Link</u>
	"ipologia	qt	modello	Frequanze		Link
Ram	DDR4 32gb	4 dim da 8gb	CMK16GX4M2B3000C15	3200mhz		<u>Link</u>
	Tipolgia	qt				Link
Hardisk	ssd slot m2	256gb				<u>Link</u>
	GPU 1	GPU 1	GPU 2	GPU 2		Link
Altro	NVIDIA GeForce GTX 1660 Ti	6gb ram ddr6	Intel UHD 630	ram sistema		Link

Dati presi da CPUZ

Column1	Column2	Column3	Column4	Column5	Column6	Column7
CPU-Z TXT Report	Columniz	Columns	Column	Columnia	Coldinilo	Columnia
	·					
Binaries						
CPU-Z version2.08.0.x64						
Processors						
	·					
CPU Groups1						
CPU Group 06 threads	mask=0x3F					
Number of sockets1	mask-oxsi					
Number of threads6						
APICs						
Socket 0						
Core 0 (ID 0)						
Thread 00						
Core 1 (ID 1) Thread 12						
Core 2 (ID 2)						
Thread 24						
Core 3 (ID 3)						
Thread 36						
Core 4 (ID 4)						
Thread 48						
Core 5 (ID 5)						
Thread 510						
Timers						
ACPI timer3.580 MHz						
Perf timer10.000 MHz						
Sys timer1.000 KHz						
Processors Information						
Socket 1ID = 0						
Number of cores6 (max 6)						
Number of threads (may 5)						
Number of threads6 (max 6)						
ManufacturerGenuineIntel						
NameIntel Core i5 9600K						
CodenameCoffee Lake						
SpecificationIntel(R) Core(TM) i5-						
9600K CPU @ 3.70GHz						
Package (platform ID)Socket 1151 LGA						
(0x1)						
CPUID6.E.D Extended CPUID6.9E						
Core SteppingR0						
Technology14 nm						
TDP Limit95.0 Watts						
Tjmax100.0 °C						
Core Speed4297.7 MHz						
Multiplier x Bus Speed43.0 x 99.9 MHz						
Dans from						
Base frequency (cores)99.9 MHz						
Page frequency (many 100 0 t till						
Base frequency (mem.)99.9 MHz Stock frequency3700 MHz						
Max frequency0 MHz						
Instructions setsMMX	SSE	SSE2	SSE3	SSSE3	SSE4.1	SSE4.2
Microcode Revision0xDE						
L1 Data cache6 x 32 KB (8-way	64-byte line)					
	C4 "					
L1 Instruction cache6 x 32 KB (8-way	64-byte line)					
L2 cache6 x 256 KB (4-way L3 cache9 MB (12-way	64-byte line) 64-byte line)					
LO CACHES IVID (12-Wdy	04-byte lille)					
Max CPUID level00000016h						
Max CPUID ext. level80000008h						
FID/VID Controlyes						
Turbo Modesupported	enabled					
Max non-turbo ratio37x						
Max turbo ratio46x						
Max efficiency ratio8x						
Min operating ratio8x						
SpeedshiftAutonomous O/C binsunlimited						
Ratio 1 core46x						
Ratio 2 cores45x						
Ratio 3 cores45x						
Ratio 4 cores44x						
Ratio 5 cores44x						
Ratio 6 cores43x						
Ratio 7 cores43x						
Ratio 8 cores43x						

TDP Level95.0 W @ 37x Temperature 048 degC (118 degF)				
(Package) Temperature 149 degC (120 degF)				
(Cores (Max)) Temperature 246 degC (114 degF)				
(Core #0) Temperature 352 degC (125 degF)				
(Core #1) Temperature 447 degC (116 degF)				
(Core #2) Temperature 546 degC (114 degF) (Core #3)				
Temperature 649 degC (120 degF) (Core #4)				
Temperature 751 degC (123 degF) (Core #5)				
Voltage 01.34 Volts (VID)				
Power 0027.61 W (Package)				
Power 0124.65 W (IA Cores) Power 020.59 W (GT) Power 032.42 W (DRAM)				
Clock Speed 04297.74 MHz (Core #0)				
Clock Speed 14297.74 MHz (Core #1)				
Clock Speed 24297.74 MHz (Core #2)				
Clock Speed 34297.74 MHz (Core #3)				
Clock Speed 44297.74 MHz (Core #4)				
Clock Speed 54297.74 MHz (Core #5)				
Core 0 max ratio46.00 (effective 44.00)				
Core 1 max ratio46.00 (effective 43.00)				
Core 2 max ratio46.00 (effective 44.00)				
Core 3 max ratio46.00 (effective 43.00)				
Core 4 max ratio46.00 (effective 43.00)				
Core 5 max ratio46.00 (effective 45.00) Thread dumps				
CPU Thread 0				
APIC ID0				
TopologyProcessor ID 0	Core ID 0	Thread ID 0		
TopologyProcessor ID 0 Cache descriptorLevel 1	Core ID 0	Thread ID 0 32 KB	2 thread(s)	
Cache descriptorLevel 1 Cache descriptorLevel 1			2 thread(s)	
Cache descriptorLevel 1	D I	32 KB 32 KB		
Cache descriptorLevel 1 Cache descriptorLevel 1 Cache descriptorLevel 2 Cache descriptorLevel 3	D I U	32 KB 32 KB 256 KB	2 thread(s) 2 thread(s)	
Cache descriptorLevel 1 Cache descriptorLevel 1 Cache descriptorLevel 2 Cache descriptorLevel 3 CPUID 0x0000000000000000000160x756E6547	D I U	32 KB 32 KB 256 KB	2 thread(s) 2 thread(s)	
Cache descriptorLevel 1 Cache descriptorLevel 1 Cache descriptorLevel 2 Cache descriptorLevel 3 CPUID 0x0000000000000000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x00100800	D I U	32 KB 32 KB 256 KB	2 thread(s) 2 thread(s)	
Cache descriptorLevel 1 Cache descriptorLevel 1 Cache descriptorLevel 2 Cache descriptorLevel 3 CPUID 0x0000000000000000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x00100800 0xFFFAF38F0xBFEBFBFF 0x0000000020x760363010x00F0B6FF	D I U	32 KB 32 KB 256 KB	2 thread(s) 2 thread(s)	
Cache descriptorLevel 1 Cache descriptorLevel 1 Cache descriptorLevel 2 Cache descriptorLevel 3 CPUID 0x0000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x00100800 0xFFFAF38F0xBFEBFBFF 0x0000000020x760363010x00F0B6FF 0x0000000000x00C300000 0x0000000030x0000000000	D I U	32 KB 32 KB 256 KB	2 thread(s) 2 thread(s)	
Cache descriptorLevel 1 Cache descriptorLevel 1 Cache descriptorLevel 2 Cache descriptorLevel 3 CPUID 0x0000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x00100800 0xFFFAF38F0xBFEBFBFF 0x0000000020x760363010x00F0B6FF 0x000000000x00C30000 0x0000000030x000000000x00000000 0x00000000	D I U	32 KB 32 KB 256 KB	2 thread(s) 2 thread(s)	
Cache descriptorLevel 1 Cache descriptorLevel 1 Cache descriptorLevel 2 Cache descriptorLevel 3 CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x00100800 0xFFAF38F0xBFEBFBFF 0x0000000000x00000000000000000000	D I U	32 KB 32 KB 256 KB	2 thread(s) 2 thread(s)	
Cache descriptorLevel 1 Cache descriptorLevel 1 Cache descriptorLevel 2 Cache descriptorLevel 3 CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x00100800 0xFFFAF38F0xBFEBFBFF 0x0000000020x760363010x00F0B6FF 0x000000000x000000000000000000000000	D I U	32 KB 32 KB 256 KB	2 thread(s) 2 thread(s)	
Cache descriptorLevel 1 Cache descriptorLevel 1 Cache descriptorLevel 2 Cache descriptorLevel 3 CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x00100800 0xFFFAF38F0xBFEBFBFF 0x000000000x00C30000 0x000000030x00000000x00000000 0x00000000	D I U	32 KB 32 KB 256 KB	2 thread(s) 2 thread(s)	
Cache descriptorLevel 1 Cache descriptorLevel 1 Cache descriptorLevel 2 Cache descriptorLevel 3 CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x00100800 0xFFFAF38F0xBFEBFBFF 0x000000000x00C30000 0x000000030x00000000x00000000 0x00000000	D I U	32 KB 32 KB 256 KB	2 thread(s) 2 thread(s)	
Cache descriptorLevel 1 Cache descriptorLevel 1 Cache descriptorLevel 2 Cache descriptorLevel 3 CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x00100800 0xFFFAF38F0xBFEBFBFF 0x0000000020x760363010x00F0B6FF 0x000000000x000000000000000000000000	D I U	32 KB 32 KB 256 KB	2 thread(s) 2 thread(s)	
Cache descriptorLevel 1 Cache descriptorLevel 1 Cache descriptorLevel 2 Cache descriptorLevel 3 CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x00100800 0xFFFAF38F0xBFEBFBFF 0x000000000x00C30000 0x000000030x00000000x00000000 0x00000000	D I U	32 KB 32 KB 256 KB	2 thread(s) 2 thread(s)	
Cache descriptorLevel 1 Cache descriptorLevel 1 Cache descriptorLevel 2 Cache descriptorLevel 3 CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000000x760363010x00F086FF 0x00000000x0000000000000000000000000	D I U	32 KB 32 KB 256 KB	2 thread(s) 2 thread(s)	
Cache descriptorLevel 1 Cache descriptorLevel 1 Cache descriptorLevel 2 Cache descriptorLevel 3 CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000000x760363010x00F086FF 0x000000000x000000000000000000000000	D I U	32 KB 32 KB 256 KB	2 thread(s) 2 thread(s)	
Cache descriptorLevel 1 Cache descriptorLevel 1 Cache descriptorLevel 2 Cache descriptorLevel 3 CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000000x760363010x00F086FF 0x00000000x0000000000000000000000000	D I U	32 KB 32 KB 256 KB	2 thread(s) 2 thread(s)	

0x00000000x000000000000000000000000000
0x000000001F0x00000440 0x000004400x00000000
0x000000000000000000000000000000000000
0x000000000x000001000x00000240 0x00000000x0000000
0x000000000x0000003C0 0x0000000x0000000
0x000000000x000000400x00000400 0x00000000
0x0000000E0x0000000000 0x00000000x00000000
0x0000000F0x0000000000 0x00000000x00000000
0x000000100x00000000000000000000000000
0x000000110x00000000000000000000000000
0x000000120x000000000000000000000000000
0x000000130x000000000000000000000000000
0x000000140x00000000F 0x00000030x0000000
0x000000150x0000000134 0x00000000x0000000
0x000000160x000000000000000000000000000
0x40000000x4000000C0x7263694D 0x666F736F0x76482074
0x400000010x312376480x00000000 0x00000000x00000000
0x40000020x0000585D0x000A0000 0x000000020x0000097C
0x40000030x00003FFF0x002BB9FF 0x000000220x7DFEFBF6
0x400000040x00060D1C0x00000000 0x0000002E0x00000000
0x40000050x000004000x00000400 0x0000045C0x00000000
0x40000060x007200AF0x00000027 0x00000000x0000000
0x400000070x8000000000 0x000000000000000000
0x400000080x000000000000000000000000000
0x40000090x0000000000000000000000000000
0x4000000A0x000000000000000000000000000
0x4000000B0x001FF0020x00000000 0x00000000x00000000
0x4000000C0x000000000000000000000000000
0x80000000x800000080x00000000 0x00000000
0x800000010x000000000000000000000000000
0x800000020x65746E490x2952286C 0x726F43200x4D542865
0x800000030x356920290x3036392D 0x43204B300x40205550
0x800000040x372E33200x7A484730 0x0000000000000000000
0x800000050x000000000000000000000000000
0x800000060x000000000000000000000000000
0x800000070x000000000000000000000000000

0x800000080x000030270x00000000 0x00000000x00000000			
MSR 0x0000001B0x000000000xFEE00D00			
MSR 0x000000350x000000000x00060006			
MSR 0x000001A00x00000000x00850889			
MSR 0x000007700x000000000x00000001			
MSR 0x000007740x0000019E0x0000FF25			
MSR 0x000000CE0x080808380xF1012500			
MSR 0x000000170x000400000x00000000			
MSR 0x000000C10x0000FFFF0xFFFC3A73			
MSR 0x000000C20x0000004C0x366F1D3A			
MSR			
0x000000C30x000000B50x7EB09519 MSR			
0x000000C40x000001680xE204A1C2 MSR			
0x000001860x000000000x0051003C MSR			
0x000001870x000000000x0041FF88 MSR			
0x000001AD0x2B2B2B2C0x2C2D2D2E MSR			
0x000001940x000000000x000F0000 MSR			
0x0000019A0x000000000x000000000000000000			
0x0000019C0x000000000x882C0008 MSR			
0x000001A20x00000000x00641000 MSR			
0x000001A40x000000000x00000000			
MSR 0x000001B10x000000000x882C0008			
MSR 0x000001FC0x000000000x0038005D			
MSR 0x000006060x000000000x000A0E03			
MSR 0x000006010x000000000x80000000			
MSR 0x000006100x004287F80x001D87F8			
MSR 0x000006110x00000000xB796185D			
MSR 0x000006390x000000000xA1BF4BFD			
MSR 0x000006410x000000000x026DF6A9			
MSR 0x000006190x000000000x1082D6BD			
MSR 0x000006140x000000000x000002F8			
MSR 0x000006480x000000000x00000025			
MSR 0x000006490x000000000x00000000			
MSR 0x0000064A0x000000000x00000000			
MSR 0x000001980x0000281F0x00002B00			
MSR 0x000001990x000000000x0000FF00			
CPU Thread 1 APIC ID2 TopologyProcessor ID 0	Core ID 1	Thread ID 0	
Cache descriptorLevel 1	D	32 KB	2 thread(s)

		2 thread(s) 2 thread(s)
·		16 thread(s)
0x00000000x000000160x756E6547 0x6C65746E0x49656E69		
0x00000010x000906ED0x02100800 0xFFFAF38F0xBFEBFBFF		
0x000000020x760363010x00F0B6FF 0x000000000x00C30000		
0x00000030x00000000x00000000 0x00000000x00000000		
0x000000040x1C0041210x01C0003F 0x0000003F0x00000000		
0x000000040x1C0041220x01C0003F 0x0000003F0x00000000		
0x000000040x1C0041430x00C0003F 0x000003FF0x00000000		
0x00000040x1C03C1630x02C0003F 0x00002FFF0x00000006		
0x000000050x000000400x00000040 0x00000030x00042120		
0x000000060x000007F30x00000002 0x000000010x00000000		
0x000000070x000000000x009C67A9 0x00000000xBC000400		
0x000000080x00000000x00000000 0x00000000		
0x000000090x00000000x00000000 0x00000000		
0x0000000A0x073008040x00000000 0x00000000x00000603		
0x000000080x000000010x00000001 0x000001000x00000002		
0x0000000B0x000000040x00000006 0x000002010x00000002		
0x0000000C0x00000000x00000000 0x00000000		
0x0000000D0x0000001F0x00000440 0x000004400x00000000		
0x0000000D0x0000000F0x000003C0 0x00000000x00000000		
0x0000000D0x000001000x00000240 0x00000000x000000000		
0x0000000D0x000000400x000003C0 0x000000000x00000000		
0x0000000D0x000000400x00000400 0x000000000x00000000		
0x0000000E0x00000000x00000000 0x00000000		
0x0000000F0x00000000x00000000 0x00000000		
0x000000100x000000000x00000000 0x00000000		
0x000000110x00000000x00000000 0x00000000		
0x000000120x00000000x00000000 0x00000000x00000000		
0x000000130x00000000x00000000 0x00000000x00000000		
0x000000140x000000010x0000000F 0x000000030x00000000		
0x000000150x000000020x00000134 0x00000000x00000000		
0x000000160x00000000x00000000 0x00000000x00000000		
0x40000000x4000000C0x7263694D 0x666F736F0x76482074		
0x40000010x312376480x00000000 0x00000000x00000000		
0x40000020x0000585D0x000A0000 0x000000020x0000097C		
0x400000030x00003FFF0x002BB9FF 0x000000220x7DFEFBF6		

0x400000040x00060D1C0x00000000 0x0000002E0x00000000
0x40000050x000004000x00000400 0x0000045C0x00000000
0x40000060x007200AF0x00000027 0x00000000x0000000
0x400000070x8000000008 0x00000000x0000000
0x400000080x00000000x00000000 0x00000000x0000000
0x40000090x0000000000000000000000000000
0x4000000A0x00000000x00000000 0x00000000x0000000
0x40000080x001FF0020x00000000 0x00000000x00000000
0x4000000C0x00000000x00000000 0x00000000x00000000
0x80000000x8000000000 0x00000000x0000000
0x80000010x0000000x00000000 0x000001210x2C100800
0x80000020x65746E490x2952286C 0x726F43200x4D542865
0x80000030x356920290x3036392D 0x43204B300x40205550
0x800000040x372E33200x7A484730 0x0000000000000000
0x80000050x0000000x00000000 0x00000000x00000000
0x80000060x0000000x00000000 0x010060400x00000000
0x800000070x000000000000000000000000000
0x800000080x000030270x00000000 0x0000000000000000
MSR 0x0000001B0x00000000xFEE00C00
MSR 0x000000350x00000000x00060006
MSR 0x000001A00x00000000x00850889
MSR 0x000007700x00000000000000000000000000
MSR 0x000007740x0000019E0x0000FF25
MSR 0x000000CE0x080808380xF1012500
MSR 0x000000170x000400000x00000000
MSR 0x000000C10x0000FFFF0xFFEFD0C7
MSR 0x000000C20x000000680x87749DF2
MSR 0x000000C30x0000013C0xD5D09BE1
MSR 0x000000C40x000001D70xBBC74218
MSR 0x000001860x0000000x0051003C
MSR 0x000001870x0000000x0041FF88
MSR 0x000001AD0x2B2B2B2C0x2C2D2D2E
MSR 0x000001940x00000000x000F0000
MSR 0x0000019A0x00000000x00000000
MSR 0x0000019C0x00000000x882B0008
MSR 0x000001A20x0000000x00641000

MSR 0x000001A40x00000000x00000000		
MSR 0x000001B10x000000000x882B0008		
MSR 0x000001FC0x000000000x0038005D		
MSR 0x000006060x000000000x000A0E03		
MSR 0x00006010x00000000x80000000		
MSR 0x000006100x004287F80x001D87F8		
MSR 0x000006110x00000000xB796357A		
MSR 0x000006390x00000000xA1BF6842		
MSR 0x000006410x00000000x026DF6A9		
MSR 0x000006190x00000000x1082D888		
MSR 0x000006140x00000000x000002F8		
MSR 0x000006480x000000000x00000025		
MSR 0x000006490x000000000x00000000		
MSR 0x0000064A0x00000000x00000000		
MSR 0x000001980x000027760x00002B00		
MSR 0x000001990x00000000x00002500		
CPU Thread 2 APIC ID4		
TopologyProcessor ID 0	Thread ID 0	
Cache descriptorLevel 1	32 KB	2 thread(s)
Cache descriptorLevel 1 Cache descriptorLevel 2	32 KB 256 KB	2 thread(s)
Cache descriptort evel 3		2 thread(s)
Cache descriptorLevel 3	9 MB	2 thread(s) 16 thread(s)
CPUID 0x0000000000x000000160x756E6547		
CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x04100800		
CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x04100800 0xFFFAF38F0xBFEBFBFF 0x0000000020x760363010x00F0B6FF		
CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x04100800 0xFFFAF38F0xBFEBFBFF 0x0000000020x760363010x00F0B6FF 0x0000000000x00C30000 0x000000030x000000000x00000000		
CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x04100800 0xFFFAF38F0xBFEBFBFF 0x0000000020x760363010x00F0B6FF 0x000000000x00C30000 0x000000030x00000000x00000000 0x00000000		
CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x04100800 0xFFFAF38F0xBFEBFBFF 0x0000000020x760363010x00F0B6FF 0x0000000000x00C30000 0x000000030x00000000x00000000 0x00000000		
CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x04100800 0xFFFAF38F0xBFEBFBFF 0x0000000020x760363010x00F0B6FF 0x000000000x00C30000 0x000000030x00000000x00000000 0x00000000		
CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x04100800 0xFFFAF38F0xBFEBFBFF 0x0000000020x760363010x00F0B6FF 0x000000000x000000000000000000000000		
CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x04100800 0xFFFAF38F0xBFEBFBFF 0x0000000020x760363010x00F0B6FF 0x000000000x000000000000000000000000		
CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x04100800 0xFFFAF38F0xBFEBFBFF 0x0000000020x760363010x00F0B6FF 0x000000000x000000000000000000000000		
CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x04100800 0xFFFAF38F0xBFEBFBFF 0x000000000x000000000000000000000		
CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x04100800 0xFFFAF38F0xBFEBFBFF 0x0000000000x00000000000000000000		
CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x04100800 0xFFFAF38F0xBFEBFBFF 0x0000000000x00000000000000000000		
CPUID 0x000000000x00000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x04100800 0xFFFAF38F0xBFEBFBFF 0x000000000x760363010x00F0B6FF 0x000000000x000000000 0x00000000x000000		
CPUID 0x000000000x00000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x04100800 0xFFFAF38F0xBFEBFBFF 0x000000000x760363010x00F0B6FF 0x00000000x0000000000000000000000000		
CPUID 0x000000000x000000160x756E6547 0x6C65746E0x49656E69 0x000000010x000906ED0x04100800 0xFFFAF38F0xBFEBFBFF 0x0000000020x760363010x00F0B6FF 0x000000000x000000000 0x00000000x000000		

0x00000001F0x00000440 0x000004400x00000000
0x0000000D0x0000003C0 0x00000000x0000000
0x000000000000000000000000000000000000
0x000000000x0000003C0 0x00000000x0000000
0x0000000D0x000000400x000000400 0x000000000x00000000
0x0000000E0x00000000000000000000000000
0x0000000F0x0000000000 0x00000000x00000000
0x000000100x00000000000000000000000000
0x000000110x00000000000000000000000000
0x000000120x000000000000000000000000000
0x000000130x000000000000000000000000000
0x000000140x00000000F 0x00000030x0000000
0x000000150x0000000134 0x0000000000000000000
0x000000160x000000000000000000000000000
0x40000000x4000000C0x7263694D 0x666F736F0x76482074
0x40000010x312376480x00000000 0x00000000x00000000
0x40000020x0000585D0x000A0000 0x000000020x0000097C
0x40000030x00003FFF0x002BB9FF 0x000000220x7DFEFBF6
0x40000040x00060D1C0x00000000 0x0000002E0x00000000
0x40000050x000004000x00000400 0x0000045C0x00000000
0x40000060x007200AF0x00000027 0x000000000000000000
0x40000070x8000000000 0x0000000000000000000
0x40000080x0000000000000000000000000000
0x40000090x0000000000000000000000000000
0x4000000A0x0000000000 0x000000000000000
0x4000000B0x001FF0020x00000000 0x00000000x00000000
0x4000000C0x000000000000000000000000000
0x80000000x800000080x00000000 0x00000000
0x800000010x000000000000000000000000000
0x800000020x65746E490x2952286C 0x726F43200x4D542865
0x80000030x356920290x3036392D 0x43204B300x40205550
0x800000040x372E33200x7A484730 0x00000000000000000000
0x800000050x0000000000 0x000000000000000
0x800000060x000000000000000000000000000
0x800000070x000000000000000000000000000
0x800000080x000030270x00000000 0x00000000x00000000

MSR 0x0000001B0x000000000xFEE00C00			
MSR 0x000000350x000000000x00060006			
MSR 0x000001A00x000000000x00850889			
MSR 0x000007700x000000000x00000001			
MSR 0x000007740x0000019E0x0000FF25			
MSR 0x000000CE0x080808380xF1012500			
MSR 0x000000170x000400000x00000000			
MSR 0x000000C10x0000FFFF0xFFEFF494			
MSR 0x000000C20x0000006B0x1A854DE4			
MSR 0x000000C30x000000FF0x77E5E8D4			
MSR 0x000000C40x000001C40x8355FED3			
MSR 0x000001860x000000000x0051003C			
MSR 0x000001870x000000000x0041FF88			
MSR 0x000001AD0x2B2B2B2C0x2C2D2D2E			
MSR 0x000001940x000000000x000F0000			
MSR 0x0000019A0x00000000x00000000			
MSR 0x0000019C0x000000000x882C0008			
MSR 0x000001A20x00000000x00641000			
MSR 0x000001A40x00000000x00000000			
MSR 0x000001B10x000000000x882A0008			
MSR 0x000001FC0x000000000x0038005D			
MSR 0x000006060x000000000x000A0E03			
MSR 0x000006010x000000000x80000000			
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APIC ID6 TopologyProcessor ID 0	Core ID 3	Thread ID 0	
Cache descriptorLevel 1 Cache descriptorLevel 1	D I	32 KB 32 KB	2 thread(s) 2 thread(s)
Cache descriptorLevel 2	U	256 KB	2 thread(s)
Cache descriptorLevel 3	U	9 MB	16 thread(s)

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APIC ID8 TopologyProcessor ID 0	Core ID 4	Thread ID 0	
Cache descriptorLevel 1	D D	32 KB	2 thread(s)
Cache descriptorLevel 1	ı	32 KB	2 thread(s)
Cache descriptorLevel 2	U	256 KB	2 thread(s)
Cache descriptorLevel 3	U	9 MB	16 thread(s)
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MSR 0x000001980x000027CC0x00002B00
MSR 0x00001990x0000000x00002500 BIOS
UEFIYes BIOS VendorAmerican Megatrends Inc.
BIOS MSG63-0100-000001-00101111- 090216-Chipset
BIOS Date09/02/16 Mainboard Vendor000001 Chipset
NorthbridgeIntel Coffee Lake rev. 0D
SouthbridgeIntel Z370 rev. 00 But SpecificationPCI-Express 3.0 (8.0
GT/s) Graphic InterfacePCI-Express 3.0
PCI-E Link Widthx16 (max 16x)
PCI-E Link Speed8.0 GT/s (max 8.0 GT/s) Memory TypeDDR4
Memory Size32 GBytes ChannelsDual
Memory Frequency1599.0 MHz (3:48) CAS# latency (CL)17.0
RAS# to CAS# delay (tRCD)18
RAS# Precharge (tRP)18 Cycle Time (tRAS)38
Row Refresh Cycle Time (tRFC)560 Command Rate (CR)2T
Uncore Frequency3997.9 MHz
Host Bridge0x3EC2 Memory SPD
DIMM#1
SMBus address0x50 Memory typeDDR4
Module formatUDIMM
Module Manufacturer(ID)Corsair (7F7F9E0000000000000000000)
SDRAM Manufacturer (ID)Nanya Technology
(7F7F7F0B0000000000000000000) Size8192 MBytes
Max bandwidthDDR4-3002 (1501 MHz)
Max JEDECDDR4-2133 (1066 MHz)
Part numberCMK16GX4M2B3000C15

Nominal Voltage1.20 Volts EPPno XMPyes rev. 2.0 AMPno EXPOno JEDEC timings tableCL-tRCD-tRP-tRAStRC @ frequency JEDEC #17.0-8-8-18-25 @ 533 MHz JEDEC #28.0-9-9-20-28 @ 600 MHz JEDEC #39.0-9-9-22-31 @ 666 MHz JEDEC #410.0-10-10-25-35 @ 733 MHz JEDEC #511.0-11-11-27-38 @ 800 MHz JEDEC #612.0-13-13-30-42 @ 900 MHz JEDEC #713.0-14-14-32-45 @ 966 MHz JEDEC #814.0-14-14-35-49 @ 1033 MHz JEDEC #915.0-15-15-36-50 @ 1066 MHz JEDEC #1016.0-15-15-36-50 @ 1066 MHz JEDEC #1117.0-15-15-36-50 @ 1066 MHz JEDEC #1218.0-15-15-36-50 @ 1066 MHz JEDEC #1319.0-15-15-36-50 @ 1066 MHz JEDEC #1420.0-15-15-36-50 @ 1066 MHz JEDEC #1521.0-15-15-36-50 @ 1066 MHz JEDEC #1622.0-15-15-36-50 @ 1066 MHz JEDEC #1723.0-15-15-36-50 @ 1066 MHz JEDEC #1824.0-15-15-36-50 @ 1066 MHz XMP profileXMP-3002 SpecificationDDR4-3002 VDD Voltage1.350 Volts Min Cycle time0.666 ns (1501 MHz) Max CL15.0 Min tRP11.32 ns Min tRCD11.32 ns Min tRAS23.13 ns Min tRC34.63 ns Min tRRD4.00 ns XMP timings tableCL-tRCD-tRP-tRAStRC-CR @ frequency (voltage) XMP #17.0-8-8-17-25-n.a @ 700 MHz (1.350 Volts) XMP #28.0-10-10-19-28-n.a @ 800 MHz (1.350 Volts) XMP #39.0-11-11-21-32-n.a @ 900 MHz (1.350 Volts) XMP #410.0-12-12-24-35-n.a @ 1001 MHz (1.350 Volts) XMP #511.0-13-13-26-39-n.a @ 1101 MHz (1.350 Volts) XMP #612.0-14-14-28-42-n.a @ 1201 MHz (1.350 Volts) XMP #713.0-15-15-31-46-n.a @ 1301 MHz (1.350 Volts) XMP #814.0-16-16-33-49-n.a @ 1401 MHz (1.350 Volts) XMP #915.0-17-17-35-52-n.a @ 1501 MHz (1.350 Volts) XMP #1016.0-17-17-35-52-n.a @ 1501 MHz (1.350 Volts) XMP #1117.0-17-17-35-52-n.a @ 1501 MHz (1.350 Volts) XMP #1218.0-17-17-35-52-n.a @ 1501 MHz (1.350 Volts) XMP #1319.0-17-17-35-52-n.a @ 1501 MHz (1.350 Volts) XMP #1420.0-17-17-35-52-n.a @ 1501 MHz (1.350 Volts) XMP #1521.0-17-17-35-52-n.a @ 1501 MHz (1.350 Volts) XMP #1622.0-17-17-35-52-n.a @ 1501 MHz (1.350 Volts) XMP #1723.0-17-17-35-52-n.a @ 1501 MHz (1.350 Volts) XMP #1824.0-17-17-35-52-n.a @ 1501 MHz (1.350 Volts) DIMM #2 SMBus address0x51 Memory typeDDR4 Module formatUDIMM Module Manufacturer(ID)Corsair SDRAM Manufacturer (ID)SK Hynix Size8192 MBytes Max bandwidthDDR4-2998 (1499 MHz)

Max JEDECDDR4-2133 (1066 MHz) Part numberCMK16GX4M2B3000C15 Nominal Voltage1.20 Volts EPPno XMPyes rev. 2.0 AMPno EXPOno JEDEC timings tableCL-tRCD-tRP-tRAStRC @ frequency JEDEC #19.0-9-10-22-31 @ 666 MHz JEDEC #210.0-10-11-25-35 @ 733 MHz JEDEC #311.0-11-12-27-38 @ 800 MHz JEDEC #412.0-13-13-30-42 @ 900 MHz JEDEC #513.0-14-14-32-45 @ 966 MHz JEDEC #614.0-14-15-35-49 @ 1033 JEDEC #715.0-15-15-36-50 @ 1066 MHz JEDEC #816.0-15-15-36-50 @ 1066 MHz XMP profileXMP-2998 SpecificationDDR4-2998 VDD Voltage1.350 Volts Min Cycle time0.667 ns (1499 MHz) Max CL15.0 Min tRP11.33 ns Min tRCD11.33 ns Min tRAS23.18 ns Min tRC34.68 ns Min tRRD4.00 ns XMP timings tableCL-tRCD-tRP-tRAStRC-CR @ frequency (voltage) XMP #19.0-11-11-21-32-n.a @ 899 MHz (1.350 Volts) XMP #210.0-12-12-24-35-n.a @ 1000 MHz (1.350 Volts) XMP #311.0-13-13-26-39-n.a @ 1100 MHz (1.350 Volts) XMP #412.0-14-14-28-42-n.a @ 1200 MHz (1.350 Volts) XMP #513.0-15-15-31-46-n.a @ 1300 MHz (1.350 Volts) XMP #614.0-16-16-33-49-n.a @ 1400 MHz (1.350 Volts) XMP #715.0-17-17-35-52-n.a @ 1499 MHz (1.350 Volts) XMP #816.0-17-17-35-52-n.a @ 1499 MHz (1.350 Volts) XMP #917.0-17-17-35-52-n.a @ 1499 MHz (1.350 Volts) XMP #1018.0-17-17-35-52-n.a @ 1499 MHz (1.350 Volts) XMP #1119.0-17-17-35-52-n.a @ 1499 MHz (1.350 Volts) XMP #1220.0-17-17-35-52-n.a @ 1499 MHz (1.350 Volts) DIMM #3 SMBus address0x52 Memory typeDDR4 Module formatUDIMM Module Manufacturer(ID)Corsair SDRAM Manufacturer (ID)Nanya Technology Size8192 MBytes Max bandwidthDDR4-3002 (1501 MHz) Max JEDECDDR4-2133 (1066 MHz) Part numberCMK16GX4M2B3000C15 Nominal Voltage1.20 Volts EPPno rev. 2.0 XMPyes AMPno EXPOno JEDEC timings tableCL-tRCD-tRP-tRAStRC @ frequency JEDEC #17.0-8-8-18-25 @ 533 MHz JEDEC #28.0-9-9-20-28 @ 600 MHz JEDEC #39.0-9-9-22-31 @ 666 MHz JEDEC #410.0-10-10-25-35 @ 733 MHz JEDEC #511.0-11-11-27-38 @ 800 MHz JEDEC #612.0-13-13-30-42 @ 900 MHz JEDEC #713.0-14-14-32-45 @ 966 MHz

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JEDEC #814.0-14-14-35-49 @ 1033
JEDEC #915.0-15-15-36-50 @ 1066
MHz
JEDEC #1016.0-15-15-36-50 @ 1066
MHz
JEDEC #1117.0-15-15-36-50 @ 1066
MHz
JEDEC #1218.0-15-15-36-50 @ 1066
MHz
JEDEC #1319.0-15-15-36-50 @ 1066
MHz
JEDEC #1420.0-15-15-36-50 @ 1066
MHz
JEDEC #1521.0-15-15-36-50 @ 1066
MHz
JEDEC #1622.0-15-15-36-50 @ 1066
MHz
JEDEC #1723.0-15-15-36-50 @ 1066
MHz
JEDEC #1824.0-15-15-36-50 @ 1066
MHz
XMP profileXMP-3002
SpecificationDDR4-3002
VDD Voltage1.350 Volts
Min Cycle time0.666 ns (1501 MHz)
Max CL15.0
Min tRP11.32 ns
Min tRCD11.32 ns
Min tRAS23.13 ns
Min tRC34.63 ns
Min tRRD4.00 ns
XMP timings tableCL-tRCD-tRP-tRAS-
tRC-CR @ frequency (voltage)
XMP #17.0-8-8-17-25-n.a @ 700 MHz
(1.350 Volts)
XMP #28.0-10-10-19-28-n.a @ 800
MHz (1.350 Volts)
XMP #39.0-11-11-21-32-n.a @ 900
MHz (1.350 Volts)
XMP #410.0-12-12-24-35-n.a @ 1001
MHz (1.350 Volts)
XMP #511.0-13-13-26-39-n.a @ 1101
MHz (1.350 Volts)
XMP #612.0-14-14-28-42-n.a @ 1201
MHz (1.350 Volts)
XMP #713.0-15-15-31-46-n.a @ 1301
MHz (1.350 Volts)
XMP #814.0-16-16-33-49-n.a @ 1401
MHz (1.350 Volts)
XMP #915.0-17-17-35-52-n.a @ 1501
MHz (1.350 Volts)
XMP #1016.0-17-17-35-52-n.a @
1501 MHz (1.350 Volts)
XMP #1117.0-17-17-35-52-n.a @
1501 MHz (1.350 Volts)
XMP #1218.0-17-17-35-52-n.a @
1501 MHz (1.350 Volts)
XMP #1319.0-17-17-35-52-n.a @
1501 MHz (1.350 Volts)
XMP #1420.0-17-17-35-52-n.a @
1501 MHz (1.350 Volts)
XMP #1521.0-17-17-35-52-n.a @
1501 MHz (1.350 Volts)
XMP #1622.0-17-17-35-52-n.a @
1501 MHz (1.350 Volts)
XMP #1723.0-17-17-35-52-n.a @
1501 MHz (1.350 Volts)
XMP #1824.0-17-17-35-52-n.a @
1501 MHz (1.350 Volts)
DIMM #4
SMBus address0x53
Memory typeDDR4
Module formatUDIMM
Module Manufacturer(ID)Corsair
SDRAM Manufacturer (ID)SK Hynix
Size8192 MBytes
 Max bandwidthDDR4-2998 (1499
MHz)
Max JEDECDDR4-2133 (1066 MHz)
Part numberCMK16GX4M2B3000C15
Nominal Voltage1.20 Volts
EPPno
XMPyes
                                      rev. 2.0
AMPno
EXPOno
JEDEC timings tableCL-tRCD-tRP-tRAS-
tRC @ frequency
JEDEC #19.0-9-10-22-31 @ 666 MHz
JEDEC #210.0-10-11-25-35 @ 733 MHz
JEDEC #311.0-11-12-27-38 @ 800 MHz
JEDEC #412.0-13-13-30-42 @ 900 MHz
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JEDEC #513.0-14-14-32-45 @ 966 MHz
JEDEC #614.0-14-15-35-49 @ 1033
MHz
JEDEC #715.0-15-15-36-50 @ 1066
MHz
JEDEC #816.0-15-15-36-50 @ 1066
MHz
XMP profileXMP-2998
SpecificationDDR4-2998
VDD Voltage1.350 Volts
Min Cycle time0.667 ns (1499 MHz)
Max CL15.0
Min tRP11.33 ns
Min tRCD11.33 ns
Min tRAS23.18 ns
Min tRC34.68 ns
Min tRRD4.00 ns
XMP timings tableCL-tRCD-tRP-tRAS-
tRC-CR @ frequency (voltage)
XMP #19.0-11-11-21-32-n.a @ 899
MHz (1.350 Volts)
XMP #210.0-12-12-24-35-n.a @ 1000
MHz (1.350 Volts)
XMP #311.0-13-13-26-39-n.a @ 1100
MHz (1.350 Volts)
XMP #412.0-14-14-28-42-n.a @ 1200
MHz (1.350 Volts)
XMP #513.0-15-15-31-46-n.a @ 1300
MHz (1.350 Volts)
XMP #614.0-16-16-33-49-n.a @ 1400
MHz (1.350 Volts)
XMP #715.0-17-17-35-52-n.a @ 1499
MHz (1.350 Volts)
XMP #816.0-17-17-35-52-n.a @ 1499
MHz (1.350 Volts)
XMP #917.0-17-17-35-52-n.a @ 1499
MHz (1.350 Volts)
XMP #1018.0-17-17-35-52-n.a @
1499 MHz (1.350 Volts)
XMP #1119.0-17-17-35-52-n.a @
1499 MHz (1.350 Volts)
XMP #1220.0-17-17-35-52-n.a @
1499 MHz (1.350 Volts)
DIMM #1
SPD registers
00 01 02 03 04 05 06 07 08 09 0A 0B 0C
0D 0E 0F
0023 10 0C 02 85 21 00 08 00 00 00 03
01 03 00 00
1000 00 08 0C FF FF 03 00 6C 6C 6C 11
08 74 F0 0A
2020 08 00 05 00 A8 1E 2B 2B 00 00 00
00 00 00 00
3000 00 00 00 00 00 00 00 00 00 00 00
16 36 16 36
4016 36 16 36 00 00 2B 0C 2B 0C 2B 0C
2B 0C 00 00
5000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
6000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
7000 00 00 00 00 ED B5 CE 00 00 00 00
00 C2 B6 0D
8011 11 00 00 00 00 00 00 00 00 00 00
00 00 00 00
9000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
A000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
B000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
C000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
D000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
E000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
F000 00 00 00 00 00 00 00 00 00 00
00 00 B6 58
10000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
11000 00 00 00 00 00 00 00 00 00 00 00
 00 00 00 00
12000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
13000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
14002 9E 00 00 00 00 00 00 00 43 4D
4B 31 36 47 58
15034 4D 32 42 33 30 30 30 43 31 35
20 20 00 83 0B
16000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
17000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
1800C 4A 01 20 00 00 00 00 00 A3 00
00 06 FF FF 03
19000 50 5B 5B 10 BA 16 F0 0A 20 08
00 05 00 B0 20
1A02B 00 00 00 00 00 00 00 01 FC
8A CB CB F6 AC
1B000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
10000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
```

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1D000 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00
1E000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
1F000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
DIMM #2
SPD registers
00 01 02 03 04 05 06 07 08 09 0A 0B 0C
0D 0E 0F
0023 10 0C 02 85 21 00 08 00 00 00 03
01 03 00 00
1000 00 08 0C FC 03 00 00 6C 6C 71 11
08 74 F0 0A
2020 08 00 05 00 A8 1E 2B 2B 00 00 00
00 00 00 00
3000 00 00 00 00 00 00 00 00 00 00
16 36 16 36
4016 36 16 36 00 00 2B 0C 2B 0C 2B 0C
2B 0C 00 00
5000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
6000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
7000 00 00 00 00 ED B5 CF 00 C0 00 00
00 C2 ED 51
8011 11 00 00 00 00 00 00 00 00 00 00
00 00 00 00
9000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
A000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
B000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
C000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
D000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
E000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
F000 00 00 00 00 00 00 00 00 00 00 00
00 00 B6 58
10000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
11000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
12000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
13000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
14002 9E 00 00 00 00 00 00 00 43 4D
4B 31 36 47 58
15034 4D 32 42 33 30 30 30 43 31 35
20 20 00 80 AD
16000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
17000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
1800C 4A 01 20 00 00 00 00 00 A3 00
00 06 FC 3F 04
19000 50 5B 5B 10 BA 16 F0 0A 20 08
00 05 00 B0 20
1A02B 00 00 00 00 00 00 00 00 D3 00
BA D3 D3 00 AD
18000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
10000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
1D000 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00
1E000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
1F000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
DIMM #3
SPD registers
00 01 02 03 04 05 06 07 08 09 0A 0B 0C
0D 0E 0F
0023 10 0C 02 85 21 00 08 00 00 00 03
01 03 00 00
1000 00 08 0C FF FF 03 00 6C 6C 6C 11
08 74 F0 0A
2020 08 00 05 00 A8 1E 2B 2B 00 00 00
00 00 00 00
3000 00 00 00 00 00 00 00 00 00 00 00
16 36 16 36
4016 36 16 36 00 00 2B 0C 2B 0C 2B 0C
2B 0C 00 00
5000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
6000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
7000 00 00 00 00 ED B5 CE 00 00 00 00
00 C2 B6 0D
8011 11 00 00 00 00 00 00 00 00 00 00
00 00 00 00
9000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
A000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
B000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
C000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
D000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
E000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
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F000 00 00 00 00 00 00 00 00 00 00 00
00 00 B6 58
10000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
11000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
12000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
13000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
14002 9E 00 00 00 00 00 00 00 43 4D
4B 31 36 47 58
15034 4D 32 42 33 30 30 30 43 31 35
20 20 00 83 0B
16000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
17000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
1800C 4A 01 20 00 00 00 00 00 A3 00
00 06 FF FF 03
19000 50 5B 5B 10 BA 16 F0 0A 20 08
00 05 00 B0 20
1A02B 00 00 00 00 00 00 00 01 FC
8A CB CB F6 AC
1B000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
10000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
1D000 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00
1E000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
1F000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
DIMM #4
SPD registers
00 01 02 03 04 05 06 07 08 09 0A 0B 0C
0D 0E 0F
0023 10 0C 02 85 21 00 08 00 00 00 03
01 03 00 00
1000 00 08 0C FC 03 00 00 6C 6C 71 11
08 74 F0 0A
2020 08 00 05 00 A8 1E 2B 2B 00 00 00
00 00 00 00
3000 00 00 00 00 00 00 00 00 00 00
16 36 16 36
4016 36 16 36 00 00 2B 0C 2B 0C 2B 0C
2B 0C 00 00
5000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
6000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
7000 00 00 00 00 ED B5 CF 00 C0 00 00
00 C2 ED 51
8011 11 00 00 00 00 00 00 00 00 00 00
00 00 00 00
9000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
A000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
B000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
C000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
D000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
E000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
F000 00 00 00 00 00 00 00 00 00 00
00 00 B6 58
10000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
11000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
12000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
13000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
14002 9E 00 00 00 00 00 00 00 43 4D
4B 31 36 47 58
15034 4D 32 42 33 30 30 30 43 31 35
20 20 00 80 AD
16000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
17000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
1800C 4A 01 20 00 00 00 00 00 A3 00
00 06 FC 3F 04
19000 50 5B 5B 10 BA 16 F0 0A 20 08
00 05 00 B0 20
1A02B 00 00 00 00 00 00 00 00 D3 00
BA D3 D3 00 AD
1B000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
10000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
1D000 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00
1E000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
1F000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
Monitoring
Mainboard ModelZ370 KRAIT GAMING
(MS-7B46) (0x00000683 - 0xCA9435F4)
LPCIO
```

LPCIO VendorNuvoton	
LPCIO ModelNCT6795	
LPCIO Vendor ID0x5CA3	
LPCIO Chip ID0xD3 LPCIO Revision ID0x52	
Config Mode I/O address0x4E	
Config Mode LDN0xB Config Mode registers	
00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F	
OOFF FF OO FF FF FF FF OB FF FF FF FF	
FF FF FF 10FF FF FF FF FF FF FF FF FF 30 C6 10	
00 FF FF 20D3 52 FF 00 00 00 40 03 00 FF 58 00	
00 00 00 18 3001 FF	
FF FF FF 40FF FF	
FF FF FF	
50FF FF	
600A 20 0A 30 00 00 FF FF FF FF FF FF FF FF	
7000 FF	
Register spaceLPC	base address = 0x0A20
Hardware Monitors	
Hardware monitorNuvoton NCT6795	
Voltage 23.34 Volts [0xD1] (AVCC)	
Voltage 33.36 Volts [0xD2] (3VCC)	
Voltage 71.33 Volts [0xA6] (System Agent)	
Voltage 81.27 Volts [0x9F] (CPU	
VCORE) Voltage 91.41 Volts [0x58] (DRAM)	
Voltage 91.41 Volts [0x56] (DKANI) Voltage 1011.90 Volts [0x7C] (+12V)	
Voltage 115.08 Volts [0x7F] (+5V)	
Voltage 121.27 Volts [0x9F] (IO Voltage)	
Voltage 131.00 Volts [0x7D] (PCH Voltage)	
Voltage) Voltage 140.11 Volts [0xE] (GT Voltage)	
Temperature 031 degC (87 degF)	
[0x1F] (SYSTIN) Temperature 142 degC (106 degF)	
[0x53] (CPUTIN) Temperature 349 degC (120 degF)	
[0x31] (TMPIN3) Temperature 541 degC (105 degF)	
[0x29] (TMPIN5) Temperature 631 degC (87 degF)	
[0x1F] (System)	
Fan 12191 RPM [0x88F] (CPU)	
Fan 21247 RPM [0x4DF] (System #1)	
Fan 31299 RPM [0x513] (System #2)	
Fan 41272 RPM [0x4F8] (System #3)	
Fan 51268 RPM [0x4F4] (System #4)	
Hardware registers Register spaceLPC	base address = 0x0A20
bank 0	
00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F	
0003 4A 03 D2 00 FF FF FF FF FF FF FF FF FF	
1003 F4 03 F4 03 F4 03 F4 40 84 A6 0A 7D 58 BE 00	
20A1 7F D1 D3 7C 12 9F 1F FF FF DA 00 00 00 00	
3000 00 00 00 00 00 00 00 00 00 00 FF FF FF FF	
4023 00 07 DF DF 00 2F FF 2D FF FF 10 00 55 00 A3	
5005 FF	
6053 F0 FF FF FF 01 00 FF FF FF FF FF FF	
FF FF FF 7000 0A 00 35 00 35 00 35 00 35 00 35	
00 35 00 FF 80FF 7F 3F BF FF 05 05 05 00 00 00 00	
00 00 00 00 900A 00 00 00 00 FD FD FD 0A 95 EF 80	
FF 40 46 C4 A00E FF 00 00 FF 00 00 FF 00 00 80 66	
06 06 01 00 B000 00 00 00 00 00 29 00 04 00 00 08	
34 80 04 00 COFF FF FF FF FF FF FF FF 08 01 05 FF	
FF FF FF D005 05 05 05 00 00 00 00 00 00 00 00	
FD FD FD	

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E055 80 00 00 00 FF FF FF FF FF 00 00
00 00 00 00
F000 00 00 00 00 00 FF 1C 00 4A 00
B7 FF FF FF
bank 4
00 01 02 03 04 05 06 07 08 09 0A 0B 0C
OD OE OF
0000 00 00 00 00 00 00 00 00 00 00
00 FF FF FF
10FF FF FF FF FF FF FF FF 00 00 FF FF
FF FF FF
20FF FF FF 96 64 96 64 E1 96 00 FF FF
FF FF FF FF
30FF FF FF FF FF FF FF FF FF FF FF
FF FF FF
40FF FF 00 00 FF FF FF FF FF FF 00 00 00
00 04 FF
5001 F3 FF FF 00 00 00 FF FF 1E 13 31
09 00 FF FF
60FF 01 00 00 00 00 00 FF FF FF FF
FF FF FF FF
70FF FF FF FF FF FF FF FF FF FF FF
FF FF FF
80A1 7F D1 D3 7C 12 9F D1 00 84 A6 01
7D 58 BE 00
901F 29 0C 09 7F FF 00 2A 00 36 36 36
36 36 00 36
AOFF 1F FF FF FF 5B E7 F4 F4 F4 00
00 00 00 00
B0FF 1F 13 10 22 19 21 14 21 05 21 02
00 F4 FF FF
C000 00 08 73 04 BC 04 E6 04 F8 04 FB
FF FF FF FF
D000 00 00 00 00 FF FF FF FF FF FF
FF FF FF FF
E050 D8 F4 F4 F4 F4 FF FF FF FF FF FF
FF FF FF
F036 80 00 00 36 00 00 00 00 00 00 00
00 00 00 FF
Hardware monitorIntel I/O
Clock Speed 00.00 MHz [0x0]
(Graphics)
Clock Speed 1n.a. (Memory)
Clock Speed 2n.a. (Processor)
Hardware monitorNVIDIA NVML
Power 0124.73 W (GPU)
Hardware monitorNVIDIA NVAPI
Power 0124.73 W (GPU)
Clock Speed 01320.00 MHz [0x528]
(Graphics)
Clock Speed 16120.98 MHz [0x17E8]
(Memory)
Clock Speed 2n.a. (Processor)
PCI Devices
Register spacePCI Express
                                         base address = 0x0E0000000
DescriptionHost Bridge
                                                                             function 0 (0x00)
Locationbus 0 (0x00)
                                         device 0 (0x00)
Common header
Vendor ID0x8086 (Intel)
Model ID0x3EC2
Revision ID0x0D
PI0x00
SubClass0x00
BaseClass0x06
Cache Line0x00
Latency0x00
Header0x00
PCI header
Subvendor ID0x1462 (MSI)
Subsystem ID0x7B46
Int. Line0x00
Int. Pin0x00
PCI capability
Caps classVendor Dependant
Caps offset0xE0
PCI registers
00 01 02 03 04 05 06 07 08 09 0A 0B 0C
0086 80 C2 3E 06 00 90 20 0D 00 00 06
00 00 00 00
1000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
2000 00 00 00 00 00 00 00 00 00 00
62 14 46 7B
3000 00 00 00 E0 00 00 00 00 00 00 00
00 00 00 00
4001 90 D1 FE 00 00 00 00 01 00 D1 FE
00 00 00 00
50C3 02 00 00 39 80 00 00 47 00 F0 7F
01 00 00 7B
6001 00 00 E0 00 00 00 00 01 80 D1 FE
00 00 00 00
7000 00 00 FF 07 00 00 00 00 0C 00 FF
7F 00 00 00
8011 11 11 11 11 11 100 1A 00 00 00
00 00 00 00
9001 00 00 FF 07 00 00 00 01 00 F0 7E
00 00 00 80
A001 00 00 00 08 00 00 00 01 00 00 7F
08 00 00 00
```

B001 00 00 7C 01 00 80 7B 01 00 00 7B			
01 00 00 80 C000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 D000 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 E009 00 10 01 DD 20 01 62 C8 00 E4 A4			
00 C0 02 00 F000 00 00 00 C8 0F 0D 00 00 00 00 00			
00 00 00 00			
DescriptionPCI to PCI Bridge Locationbus 0 (0x00) de	evice 1 (0x01)	function 0 (0x00)	
Common header	evice I (0x01)	Tunction o (oxoo)	
Vendor ID0x8086 (Intel) Model ID0x1901			
Revision ID0x0D PI0x00			
SubClass0x04			
BaseClass0x06 Cache Line0x10			
Latency0x00 Header0x81			
PCI header Primary bus0x00			
Secondary bus0x01			
Int. Line0x0B Int. Pin0x01			
PCI capability			
Caps classSubsystem Vendor Caps offset0x88			
SubVendor ID0x1462 (MSI)			
SubSystem ID0x7B46 PCI capability			
Caps classPower Management			
Caps offset0x80			
Caps version1.2 PCI capability			
Caps classMessage Signalled Interrupts			
Caps offset0x90 PCI capability			
Caps classPCI Express			
Caps offset0xA0 Device typeRoot Port of PCI-E Root Complex			
Port2			
Caps version2.0 Physical slot#0			
Presence detectyes Link width16x (max 16x)			
Link speed8.0 GT/s (max 8.0 GT/s)			
PCI extended capability Caps classVirtual Channel			
Caps offset0x100			
PCI extended capability Caps classRoot Complex Link			
Declaration Caps offset0x140			
Link Entries #1 Port Number2			
PCI extended capability			
Caps classSecondary PCI Express			
Caps offset0xD94 PCI registers			
00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F			
0086 80 01 19 07 04 10 00 0D 00 04 06 10 00 81 00			
1000 00 00 00 00 00 00 00 01 01 00			
E0 E0 00 20 2000 DE 00 DF 01 C0 01 D2 00 00 00 00			
00 00 00 00 3000 00 00 08 00 00 00 00 00 00			
0B 01 18 00 4000 00 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
5000 00 00 00 00 00 00 00 00 00 00 00 00 00			
6000 00 00 00 00 00 00 00 00 00 00 00 00 00			
7000 00 00 00 00 00 00 00 00 62 17 00 00 00 00 0A			
8001 90 03 C8 08 00 00 00 0D 80 00 00 62 14 46 7B			
9005 A0 00 00 00 00 00 00 00 00 00 00 00 00			
A010 00 42 01 01 80 00 00 00 00 00 00 00 00 03 AD 61 02			
B040 00 03 D1 80 25 0C 00 00 00 48 00 00 00 00 00			
C000 00 00 00 80 0B 08 00 00 64 00 00 0E 00 00 00			
D043 00 1E 00 00 00 00 00 00 00 00 00 00 00 00 00			
E000 00 00 00 00 00 00 00 00 00 00 00 00			
F000 60 01 C0 4E 01 01 20 00 00 00 00			
E0 00 10 00 10002 00 01 14 00 00 00 00 00 00 00 00			
00 00 00 00 11001 00 00 00 FF 00 00 80 00 00 00 00 00 00 00 00			

2000 00 00 00 00 00 00 00 00 00 00 00 0
300 00 00 00 00 00 00 00 00 00 00 00 00
10 00 00 00 10 00 00 00 00 00 00 00 00 00 00 00 00 0
400 50 04 1 10 00 01 10 10 00 00 00 00 00 00 00 0
10 00 00 00 00 00 00 00 00 00 00 00 00 0
15001 to 01 100 00 00 00 00 00 00 00 00 00 00 00
10 00 00 00 10 00 00 00 00 00 00 00 00 00 00 00 00 0
1,500 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
10 00 00 00 10 00 00 00 00 00 00 00 00 00 00 00 00 0
10 00 00 00 10 00 00 00 00 00 00 00 00 00 00 00 00 0
1800 00 00 00 00 00 00 00 00 00 00 00 00
10 00 00 00 10 00 00 00 00 00 00 00 00 00 00 00 00 0
1900 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
10 00 00 00 10 00 00 00 00 00 00 00 00 00 00 00 00 0
A00 00 00 00 00 00 00 00 00 00 00 00 00
10 00 00 00 10 00 00 10 00 00
Bood 00 00 00 00 00 00 00 00 00 00 00 00 00
10 00 00 00 00 00 00 00 00 00 00 00 00 0
10 10 41 D9 00 00 00 00 00 00 00 00 00 00 00 00 00
10 10 40 06 00 1,000 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00
E000 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00
1F000 00 00 00 00 00 00 00 00 00 00 00 00
00 00 07 C DescriptionDisplay Controller DescriptionDisplay Contro
DescriptionDisplay Controller Cocationbus 0 (0x00) device 2 (0x02) function 0 (0x00) Common header Vendor ID0x8086 (Intel) Model ID0x3E98 Revision ID0x02
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Revision ID0x02
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subClass(0)80
SubClass0x80 BaseClass0x03
Cache LineOx10
atency0x00
Header0x00
PCI header
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1E000 00 00 00 00 00 00 00 00 00 00 00			
15000 00 00 00 00 00 00 00 00 00 00 00			
1F000 00 00 00 00 00 00 00 00 00 00 00 00			
DescriptionSystem Device			
Locationbus 0 (0x00) Common header	device 8 (0x08)	function 0 (0x00)	
Vendor ID0x8086 (Intel)			
Model ID0x1911			
Revision ID0x00 PI0x00			
SubClass0x80			
BaseClass0x08			
Cache Line0x10			
Latency0x00 Header0x00			
Latency0x00			
Latency0x00 Header0x00 PCI header			
Latency0x00 Header0x00			
Latency0x00 Header0x00 PCI header Address 0 (memory)0x0000000DF44F004 Subvendor ID0x1462 (MSI)			
Latency0x00 Header0x00 PCI header Address 0 (memory)0x00000000DF44F004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46			
Latency0x00 Header0x00 PCI header Address 0 (memory)0x0000000DF44F004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x01			
Latency0x00 Header0x00 PCI header Address 0 (memory)0x0000000DF44F004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x01 PCI capability			
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DescriptionUSB Controller (xHCI)

Locationbus 0 (0x00)	device 20 (0x14)	function 0 (0x00)
Common header Vendor ID0x8086 (Intel)		
Model ID0xA2AF		
Revision ID0x00		
PIOx30		
SubClass0x03 BaseClass0x0C		
Cache Line0x00		
Latency0x00		
Header0x80 PCI header		
Address 0		
(memory)0x00000000DF430004 Subvendor ID0x1462 (MSI)		
Subsystem ID0x7B46		
Int. Line0x00		
Int. Pin0x01 PCI capability		
rereapability		
Caps classPower Management		
Caps offset0x70		
Caps version1.1 PCI capability		
Caps classMessage Signalled		
Interrupts		
Caps offset0x80 PCI registers		
00 01 02 03 04 05 06 07 08 09 0A 0B 0C		
OD OE OF		
0086 80 AF A2 06 04 90 02 00 30 03 0C		
00 00 80 00 1004 00 43 DF 00 00 00 00 00 00 00 00		
00 00 00 00		
2000 00 00 00 00 00 00 00 00 00 00 00		
62 14 46 7B 3000 00 00 00 70 00 00 00 00 00 00 00		
00 01 00 00		
40FD 01 34 80 88 C6 0F 80 00 00 00 00		
00 00 00 00		
505B 6E CE 0F 00 00 00 00 00 00 00 00 00 00 00 00		
6030 60 00 00 00 00 00 00 00 00 00 00		
00 00 00 00		
7001 80 C2 C1 08 00 00 00 00 00 00 00 00 00 00 00 00		
8005 00 87 00 90 01 E0 FE 00 00 00 00		
00 00 00 00		
9009 00 14 F0 10 00 40 01 00 00 00 00		
C1 0A 08 00 A000 08 00 00 00 18 00 00 8F 40 02 00		
00 01 04 00		
B003 C0 00 00 0C 00 00 00 30 00 00 00		
C0 00 00 00 C000 03 00 00 00 0C 00 00 00 10 00 00		
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D003 00 00 00 0C 00 00 00 30 00 00 00		
00 00 00 00		
E000 00 00 00 00 00 00 00 00 00 00 00 00		
F000 00 00 00 00 00 00 B3 0F 00 08		
00 00 00 00		
DescriptionData Aquisition and Signal		
Processing Device		
Locationbus 0 (0x00)	device 20 (0x14)	function 2 (0x02)
Common header Vendor ID0x8086 (Intel)		
Model ID0xA2B1		
Revision ID0x00		
PI0x00 SubClass0x80		
BaseClass0x11		
Cache Line0x00		
Latency0x00		
Header0x00 PCI header		
Header0x00 PCI header		
Header0x00 PCI header Address 0		
Header0x00 PCI header Address 0 (memory)0x0000000DF44E004		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x03		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x03 PCI capability Caps classPower Management		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x03 PCI capability Caps classPower Management Caps offset0x50		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x03 PCI capability Caps classPower Management		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x03 PCI capability Caps classPower Management Caps offset0x50 Caps version1.2 PCI capability Caps classMessage Signalled		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x03 PCI capability Caps classPower Management Caps offset0x50 Caps version1.2 PCI capability Caps classMessage Signalled Interrupts		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x03 PCI capability Caps classPower Management Caps offset0x50 Caps version1.2 PCI capability Caps classMessage Signalled Interrupts Caps offset0x80		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x03 PCI capability Caps classPower Management Caps offset0x50 Caps version1.2 PCI capability Caps classMessage Signalled Interrupts Caps offset0x80 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x03 PCI capability Caps classPower Management Caps offset0x50 Caps version1.2 PCI capability Caps classMessage Signalled Interrupts Caps offset0x80 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C OD 0E 0F		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x03 PCI capability Caps classPower Management Caps offset0x50 Caps version1.2 PCI capability Caps classMessage Signalled Interrupts Caps offset0x80 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 B1 A2 02 00 10 00 00 00 08 011		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x03 PCI capability Caps classPower Management Caps offset0x50 Caps version1.2 PCI capability Caps classMessage Signalled Interrupts Caps offset0x80 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 B1 A2 02 00 10 00 00 00 80 11 00 00 00 00		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x03 PCI capability Caps classPower Management Caps offset0x50 Caps version1.2 PCI capability Caps classMessage Signalled Interrupts Caps offset0x80 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 B1 A2 02 00 10 00 00 00 00 80 11 00 00 00 00 1004 E0 44 DF 00 00 00 00 00 00 00 00 00 00 00		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x03 PCI capability Caps classPower Management Caps offset0x50 Caps version1.2 PCI capability Caps classMessage Signalled Interrupts Caps offset0x80 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 B1 A2 02 00 10 00 00 00 80 11 00 00 00 00 1004 E0 44 DF 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x03 PCI capability Caps classPower Management Caps offset0x50 Caps version1.2 PCI capability Caps classMessage Signalled Interrupts Caps offset0x80 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 B1 A2 02 00 10 00 00 00 80 11 00 00 00 00 1004 E0 44 DF 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 62 14 46 7B		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x03 PCI capability Caps classPower Management Caps offset0x50 Caps version1.2 PCI capability Caps classMessage Signalled Interrupts Caps offset0x80 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 B1 A2 02 00 10 00 00 00 80 11 00 00 00 00 1004 E0 44 DF 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x03 PCI capability Caps classPower Management Caps offset0x50 Caps version1.2 PCI capability Caps classMessage Signalled Interrupts Caps offset0x80 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 B1 A2 02 00 10 00 00 00 00 00 00 1004 E0 44 DF 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 62 14 46 7B 3000 00 00 00 00 00 00 00 00 00 00 00 4004 00 00 00 00 00 00 00 00 00 00 4004 00 00 00 00 00 00 00 00 00 00 00 4004 00 00 00 00 00 00 00 00 00 00 00 4004 00 00 00 00 00 00 00 00 00 00 00 4004 00 00 00 00 00 00 00 00 00 00 00 00		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x03 PCI capability Caps classPower Management Caps offset0x50 Caps version1.2 PCI capability Caps classMessage Signalled Interrupts Caps offset0x80 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 B1 A2 02 00 10 00 00 00 00 00 00 1004 E0 44 DF 00 00 00 00 00 00 00 00 2000 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 62 14 46 7B 3000 00 00 00 00 00 00 00 00 00 00 00 00 00		
Header0x00 PCI header Address 0 (memory)0x00000000DF44E004 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x0B Int. Pin0x03 PCI capability Caps classPower Management Caps offset0x50 Caps version1.2 PCI capability Caps classMessage Signalled Interrupts Caps offset0x80 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 B1 A2 02 00 10 00 00 00 00 00 00 1004 E0 44 DF 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 62 14 46 7B 3000 00 00 00 00 00 00 00 00 00 00 00 4004 00 00 00 00 00 00 00 00 00 00 4004 00 00 00 00 00 00 00 00 00 00 00 4004 00 00 00 00 00 00 00 00 00 00 00 4004 00 00 00 00 00 00 00 00 00 00 00 4004 00 00 00 00 00 00 00 00 00 00 00 00		

6000 00 00 00 00 00 00 00 00 00 00 00 00
7000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 8005 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
9000 00 00 00 00 00 00 00 00 00 00 00 00
A000 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 B000 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
D000 00 00 00 00 00 00 00 00 00 00 00 00
E000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 F000 00 00 00 00 00 00 00 00
00 00 00 00
DescriptionCommunication Device
Locationbus 0 (0x00) device 22 (0x16) function 0 (0x00) Common header
Vendor ID0x8086 (Intel)
Model ID0xA2BA Revision ID0x00
PI0x00
SubClass0x80 BaseClass0x07
Cache Line0x00
Latency0x00 Header0x80
PCI header
Address 0
(memory)0x00000000FE7FF004 Subvendor ID0x1462 (MSI)
Subsystem ID0x7B46
Int. Line0x00 Int. Pin0x01
PCI capability
Caps classPower Management
Caps offset0x50
Caps version1.2 PCI capability
Caps classMessage Signalled
Interrupts Caps offset0x8C
PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C
OD OE OF
0086 80 BA A2 06 04 10 00 00 00 80 07 00 00 80 00
1004 F0 7F FE 00 00 00 00 00 00 00 00
00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00
62 14 46 7B
3000 00 00 00 00 00 00 00 00 00 00 00 00 01 00 00
4055 02 00 90 10 00 01 80 06 05 F1 00 00 00 00 00
5001 8C 03 40 08 00 00 00 00 00 00 00
00 00 00 00 6020 00 00 00 04 40 08 00 00 00 00
02 00 00 00
7000 00 00 00 00 00 E0 00 00 00 00 00 00
8000 00 00 00 00 00 00 00 00 00 00 00
05 00 81 00 90D0 02 E0 FE 00 00 00 00 00 00 00 00
00 00 00 00
A000 00 00 00 00 00 00 00 00 00 00 00 00
B000 00 00 00 00 00 00 00 00 00 00 00 00
C000 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
E000 00 00 00 00 00 00 00 00 00 00 00 00
F000 00 00 00 00 00 00 00 83 0F 00 08
00 00 00
DescriptionSerial ATA Controller - AHCI Locationbus 0 (0x00) device 23 (0x17) function 0 (0x00)
Common header
Vendor ID0x8086 (Intel) Model ID0xA282
Revision ID0x00
PI0x01 SubClass0x06
BaseClass0x01 Cache Line0x00
Latency0x00
Header0x00 PCI header
Address 0 (memory)0xDF448000
Address 1 (memory)0xDF44C000 Address 2 (port)0x0000F090
Address 3 (port)0x0000F080
Address 4 (port)0x0000F060
Address 5 (memory)0xDF44B000 Subvendor ID0x1462 (MSI)

Subsystem ID0x7B46
Int. Line0x00
Int. Pin0x01
PCI capability Canadian Marcaga Grandland
Caps classMessage Signalled
Interrupts Cons office 10:20
Caps offset0x80 PCI capability
receptority
Caps classPower Management
Caps offset0x70
Caps version1.2
PCI capability
Caps classSerial ATA Configuration
Caps offset0xA8
PCI registers
00 01 02 03 04 05 06 07 08 09 0A 0B 0C
OD OE OF
0086 80 82 A2 07 04 B0 02 00 01 06 01 00 00 00
1000 80 44 DF 91 F0 00 C0 44 DF 91 F0 00 00
81 F0 00 00
2061 F0 00 00 00 B0 44 DF 00 00 00 00
62 14 46 7B
3000 00 00 00 80 00 00 00 00 00 00 00
00 01 00 00
4000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
5000 00 00 00 00 00 00 00 00 00 00 00 00
6000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
7001 A8 03 40 08 00 00 00 00 00 00 00
00 00 00 00
8005 70 01 00 30 00 E0 FE 00 00 00 00
00 00 00 00
9000 00 FE 00 01 00 01 00 00 00 00 00 00 00 00 00
30 00 00 80
A03C 00 00 00 00 00 00 12 00 10 00 48 00 00 00
B000 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
C000 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
D011 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
E000 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
F000 00 00 00 00 00 00 00 08 0F 00 08 00 00 00 00 00 00 00 00
00 00 00
DescriptionPCI to PCI Bridge
Locationbus 0 (0x00) device 28 (0x1C) function 0 (0x00)
Common header
Common header Vendor ID0x8086 (Intel)
Vendor ID0x8086 (Intel) Model ID0xA290
Vendor ID0x8086 (Intel) Model ID0xA290 Revision ID0xF0
Vendor ID0x8086 (Intel) Model ID0xA290 Revision ID0xF0 Pl0x00
Vendor ID0x8086 (Intel) Model ID0xA290 Revision ID0xF0 PI0x00 SubClass0x04
Vendor ID0x8086 (Intel) Model ID0xA290 Revision ID0xF0 PI0x00 SubClass0x04 BaseClass0x06
Vendor ID0x8086 (Intel) Model ID0xA290 Revision ID0xF0 PI0x00 SubClass0x04 BaseClass0x06 Cache Line0x10
Vendor ID0x8086 (Intel) Model ID0xA290 Revision ID0xF0 PI0x00 SubClass0x04 BaseClass0x06 Cache Line0x10 Latency0x00
Vendor ID0x8086 (Intel) Model ID0xA290 Revision ID0xF0 PI0x00 SubClass0x04 BaseClass0x06 Cache Line0x10
Vendor ID0x8086 (Intel) Model ID0xA290 Revision ID0xF0 PI0x00 SubClass0x04 BaseClass0x06 Cache Line0x10 Latency0x00 Header0x81
Vendor ID0x8086 (Intel) Model ID0xA290 Revision ID0xF0 PI0x00 SubClass0x04 BaseClass0x06 Cache Line0x10 Latency0x00 Header0x81 PCI header
Vendor ID0x8086 (Intel) Model ID0xA290 Revision ID0xF0 PI0x00 SubClass0x04 BaseClass0x06 Cache Line0x10 Latency0x00 Header0x81 PCI header PCI header Primary bus0x00 Secondary bus0x02 Int. Line0x08
Vendor ID0x8086 (Intel) Model ID0xA290 Revision ID0xF0 PI0x00 SubClass0x04 BaseClass0x06 Cache Line0x10 Latency0x00 Header0x81 PCI header Primary bus0x00 Secondary bus0x002 Int. Line0x0B Int. Pinox01
Vendor ID0x8086 (Intel) Model ID0xA290 Revision ID0xF0 PI0x00 SubClass0x04 BaseClass0x06 Cache Line0x10 Latency0x00 Header0x81 PCI header Primary bus0x00 Secondary bus0x02 Int. Line0x08 Int. Line0x08 Int. Pin0x01 PCI capability
Vendor ID0x8086 (Intel) Model ID0xA290 Revision ID0xF0 PI0x00 SubClass0x04 BaseClass0x06 Cache Line0x10 Latency0x00 Header0x81 PCI header Primary bus0x00 Secondary bus0x02 Int. Line0x0B Int. Pin0x01 PCI capability Caps classPCI Express
Vendor ID0x8086 (Intel) Model ID0xA290 Revision ID0xF0 Pl0x00 SubClass0x04 BaseClass0x06 Cache Line0x10 Latency0x00 Header 0x81 PCI header Primary bus0x00 Secondary bus0x02 Int. Line0x0B Int. Pin0x01 PCI capability Caps calssPCI Express Caps offset0x40
Vendor ID0x8086 (Intel) Model ID0xA290 Revision ID0xF0 PI0x00 SubClass0x04 BaseClass0x06 Cache Line0x10 Latency0x00 Header0x81 PCI header Primary bus0x00 Secondary bus0x02 Int. Line0x08 Int. Line0x08 Int. Line0x08 Int. Pin0x01 PCI capability Caps classPCI Express Caps offset0x40 Device typeRoot Port of PCI-E Root
Vendor ID0x8086 (Intel) Model ID0xA290 Revision ID0xF0 Pl0x00 SubClass0x04 BaseClass0x06 Cache Line0x10 Latency0x00 Header 0x81 PCI header Primary bus0x00 Secondary bus0x02 Int. Line0x0B Int. Pin0x01 PCI capability Caps calssPCI Express Caps offset0x40
Vendor ID0x8086 (Intel) Model ID0xA290 Revision ID0xF0 PI0x00 SubClass0x04 BaseClass0x06 Cache Line0x10 Latency0x00 Header0x81 PCI header Primary bus0x00 Secondary bus0x02 Int. Line0x08 Int. Pin0x01 PCI capability Caps classPCI Express Caps offset0x40 Device typeRoot Port of PCI-E Root Complex
Vendor ID0x8086 (intel) Model ID0xA290 Revision ID0xF0 PI0x00 Subclass0x04 BaseClass0x06 Cache Line0x10 Latency0x00 Headerox81 PCI header Primary bus0x00 Secondary bus0x00 Int. Line0x0B Int. Line0x0B Int. Pinox01 Device typeRoot Port of PCI-E Root Complex Port1 Caps version2.0
Vendor ID0x8086 (Intel) Model ID0x429 Revision ID0x60 PI0x00 SubClass0x04 BaseClass0x06 Cache Line0x10 Latency0x00 Header(N81 PCI header Primary bus0x00 Secondary bus0x02 Int. Line0x08 Int. PinOx01 PCI capability Caps classPCI Express Caps offset0x40 Device typeRoot Port of PCI-E Root Complex Physical slotintegrated device
Vendor ID0x8086 (intel) Model ID0xA290 Revision ID0xF0 PI0x00 Subclass0x04 BaseClass0x06 Cache Line0x10 Latency0x00 Headerox81 PCI header Primary bus0x00 Secondary bus0x00 Int. Line0x0B Int. Line0x0B Int. Pinox01 Device typeRoot Port of PCI-E Root Complex Port1 Caps version2.0
Vendor ID0x8086 (Intel) Model ID0xA290 Revision ID0xF0 PI0x00 SubClass0x04 BaseClass0x06 Cache Line0x10 Latency0x00 Header OR PCI header Primary bus0x00 Secondary hus0x02 Int. Line0x08 Int. Pin0x1 PCI capability Caps classPCI Express Caps offset0x40 Device typeRoot Port of PCI-E Root Complex Port1 Caps version2.0 Physical slotintegrated device Link width0x (max 1x)
Vendor IDxx8296 (Intel) Model IDxx8290 Revision IDxxF0 PIXXXX BxxxXXXXXX BxxxXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Vendor 100x8086 (Intel) Model I DOxA290 Revision IDXFD PIDX0D SubClassX0A4 BaseClassXD06 Cache Line0x10 Latency0x00 HeaderOx81 PCI header Primary bus0x00 Secondary bus0x02 Int. Line0x08 Int. PinX01 PCI capability Caps classPCI Express Caps offset0x40 Device typeRoot Port of PCFE Root Complex Port1 Caps version2.0 Physical slottntegrated device Link widthox (max 1x) PCI capability
Vendor IDxx8296 (Intel) Model IDxx8290 Revision IDxxF0 PIXXXX BxxxXXXXXX BxxxXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Vendor (DoxA290) Revision (Dox69 PIDX00 SubClass/SD44 BaseClass/SD66 Cache LineX10 Latency,Ox00 Header Cx81 PCI header Primary bus/D00 Secondary bus/D02 Int. LineXD8 Int. LineXD8 Int. Pin/D01 PCI capability Caps cassPCI Express Caps firstExt0x40 Device typeRoot Port of PCI-E Root Complex Port1 Caps version2.0 Physical slotintegrated device Link width0x (max 1x) Link speed 2.5 GT/s (max 8.0 GT/s) PCI capability Caps classRessage Signalled Interrupts Caps offst0x80
Vendor 100x8296 (intel) Model ID0xA290 Revision 10x6F0 P10x00 SubClassx0x04 BaseClassx0x06 Cache Linex110 Latency0x00 Header0x81 PCI header Primary bus0x0x0 secondary bus0x0x2 int. Linex0x8 int. Pin0x01 PCI capability Caps classPCI Express Caps classPCI Express Caps classPCI Express Complex Port1 Caps version2.0 Primary bus0x0x (max 1x) Link width0x (max 1x) Link speed2.5 GT/s (max 8.0 GT/s) PCI capability Caps classMessage Signalled Interrupts
Nender DixA898 (Intel) Model DixA290 Revision Dix970 Pilxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Vendor (DN-8086 (Intel) Model (D0-8020) Revision (D0-60) R
Nender DixA898 (Intel) Model DixA290 Revision Dix970 Pilxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Vendor ID0x808 (Intel) Model ID0x409 Revision ID0x60 Pi0x00 SubClasx.0040 SascClasx.0040 SascC
Vendor (DN-8086 (Intel) Model (D0-8020) Revision (D0-60) R
Vendor ID0x808 (intel) Model ID0x409 Revision ID0x60 P0x000 SubClast0x04 BaseClast0x04 BaseClast0x040 BaseClast0x00 LutencyXx00 HeaderOx Sill PCI header Primary busXx00 Secondary busXx02 Int. Line0x08 Int. Pnx0x1 PCI capability Caps classFC Express Caps classFC Express Caps offsetXx0 Device typeRox Port of PCLE Roxt Complex Port Caps version Z.0 Physical slottingrated device Link width0x (max ix) Link swidth0x (max 8.0 GT/s) PCI capability Caps classSubsystem Vendor Caps of scissSubsystem Vendor Caps of scissSub
Wendor ID0x896 Intal) Model ID0x490 Revision ID0xF0 PRox00 SubClassX044 SascelassX046 Sascelas
Vendor 100x806 (Intal) Model 100x409 Revision 10x806 Revision 10x806 Revision 10x806 Revision 10x806 SixtClassX004 SasecClassX004 SasecClassX006 Cache LineXx01 LineXx01 HeaderOul
Wender Dibb.2806 Intext) Moder Dibb.2806 Revision Dibb
Needer Division
Nemotic Discussion Circles
Vendor 1004-280
Vendor (1004-2009) Revision (1004-70) Revisio
Vendor 1004-280
Vestor (100-000 100-00
Vendor 1004289 (new)
Nemotic 1000-2009 Revision 10010 Note 1000-2009 Revision 10010 Note 1000-2009 Note
Nember (1000-1200-1200-1200-1200-1200-1200-1200
Nemotic 1000-2009 Revision 10010 Note 1000-2009 Revision 10010 Note 1000-2009 Note

PCI extended capability					
Caps classSecondary PCI Express					
Caps offset0x220 PCI registers					
00 01 02 03 04 05 06 07 08 09 0A 0B 0C					
0D 0E 0F 0086 80 94 A2 06 04 10 00 F0 00 04 06					
10 00 81 00					
1000 00 00 00 00 00 00 00 00 03 03 00 F0 00 00 20					
2030 DF 30 DF F1 FF 01 00 00 00 00 00 00 00 00 00 00 00 00					
3000 00 00 00 40 00 00 00 00 00 00 00					
0B 01 00 00 4010 80 42 01 01 80 00 00 20 00 10 00					
23 40 72 05					
5040 00 23 70 00 FD 44 00 00 00 48 01 00 00 00 00					
6000 00 00 00 37 08 00 00 00 04 00 00					
0E 00 00 00 7003 00 1F 00 00 00 00 00 00 00 00 00					
00 00 00 00					
8005 90 00 00 00 00 00 00 00 00 00 00 00 00					
900D A0 00 00 62 14 46 7B 00 00 00 00 00 00 00 00 00 00					
A001 00 03 C8 00 00 00 00 00 00 00 00					
00 00 00 00 B000 00 00 00 00 00 00 00 00 00 00 00					
00 00 00 00					
C000 00 00 00 00 00 00 00 00 00 00 00 00					
D011 10 00 07 42 18 00 00 08 00 9E 89					
00 00 00 00 E000 B7 F3 00 50 88 50 88 16 80 12 00					
00 00 00 00					
F050 01 00 00 00 03 00 40 B3 0F 00 08 00 40 00 01					
10001 00 01 14 00 00 00 00 00 00 01 00 11 00 06 00					
11000 00 00 00 00 20 00 00 00 00 00 00					
00 00 00 00 12000 00 00 00 00 00 00 00 00 00 00					
00 00 00 00					
13000 00 00 00 00 00 00 00 00 00 00 00 00					
1400D 00 01 22 0F 00 00 00 00 00 00 00					
00 00 00 00 15000 00 00 00 00 00 00 00 00 00 00 00					
00 00 00 00					
16000 00 00 00 00 00 00 00 00 00 00 00 00					
17000 00 00 00 00 00 00 00 00 00 00 00 00					
18000 00 00 00 00 00 00 00 00 00 00 00					
00 00 00 00 19000 00 00 00 00 00 00 00 00 00 00 00					
00 00 00 00					
1A000 00 00 00 00 00 00 00 00 00 00 00 00					
1B000 00 00 00 00 00 00 00 00 00 00 00 00					
10000 00 00 00 00 00 00 00 00 00 00 00					
00 00 00 00 1D000 00 00 00 00 00 00 00 00 00 00					
00 00 00 00 00					
1E000 00 00 00 00 00 00 00 00 00 00 00 00					
1F000 00 00 00 00 00 00 00 00 00 00 00					
00 00 00 00					
DescriptionPCI to PCI Bridge Locationbus 0 (0x00)	device 28 (0x1C)	function 6 (0x06)			
Common header	device 20 (oxie)	Tunction o (oxoo)			
Vendor ID0x8086 (Intel) Model ID0xA296					
Revision ID0xF0					
PI0x00 SubClass0x04					
BaseClass0x06 Cache Line0x10					
Latency0x00					
Header0x81 PCI header					
Primary bus0x00					
Secondary bus0x04 Int. Line0x0B					
Int. Pin0x03					
PCI capability Caps classPCI Express					
Caps offset0x40 Device typeRoot Port of PCI-E Root					
Complex					
Port7 Caps version2.0					
Physical slot#1					
Presence detectyes Link width1x (max 1x)					
Link speed2.5 GT/s (max 8.0 GT/s) PCI capability				 	
Caps classMessage Signalled Interrupts					
Caps offset0x80					
PCI capability					
Caps classSubsystem Vendor Caps offset0x90					
כמף טווספנטאסט					

SubVandar ID0v1462 (MSI)			
SubVendor ID0x1462 (MSI) SubSystem ID0x7B46			
PCI capability			
Caps classPower Management			
Caps offset0xA0			
Caps version1.2 PCI extended capability			
Tel exteriord capability			
Caps classAdvanced Error Reporting			
Caps offset0x100 PCI extended capability			
Caps class0xD			
Caps offset0x140 PCI extended capability			
reliexterided capability			
Caps classSecondary PCI Express			
Caps offset0x220 PCI registers			
00 01 02 03 04 05 06 07 08 09 0A 0B 0C			
OD 0E 0F 0086 80 96 A2 06 04 10 00 F0 00 04 06			
10 00 81 00			
1000 00 00 00 00 00 00 00 04 04 00			
F0 00 00 20 2020 DF 20 DF F1 FF 01 00 00 00 00 00			
00 00 00 00			
3000 00 00 00 40 00 00 00 00 00 00 00 0B 03 00 00			
4010 80 42 01 01 80 00 00 00 00 10 00			
13 40 72 07			
5040 00 11 70 00 B2 54 00 00 00 40 01 00 00 00 00			
6000 00 00 00 37 08 00 00 00 04 00 00			
0E 00 00 00 7003 00 01 00 00 00 00 00 00 00 00 00			
00 00 00 00			
8005 90 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 900D A0 00 00 62 14 46 7B 00 00 00 00			
00 00 00 00			
A001 00 03 C8 00 00 00 00 00 00 00 00 00 00 00 00 00			
B000 00 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
C000 00 00 00 00 00 00 00 00 00 00 00 00			
D001 10 00 07 42 18 00 00 08 00 9E 89			
00 00 00 00 E000 03 E3 00 00 00 00 00 06 00 10 00			
00 00 00 00			
F050 01 00 00 00 00 00 4C B3 0F 00 08			
00 00 00 03 10001 00 01 14 00 00 00 00 00 00 01 00			
11 00 06 00			
11000 00 00 00 00 20 00 00 00 00 00 00 00			
12000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
13000 00 00 00 00 00 00 00 00 00 00 00 00			
1400D 00 01 22 0F 00 00 00 00 00 00 00			
00 00 00 00 15000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
16000 00 00 00 00 00 00 00 00 00 00 00 00			
17000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
18000 00 00 00 00 00 00 00 00 00 00 00 00			
19000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 1A000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
18000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 1C000 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
211000 00 00 00 00 00 00 00			
1D000 00 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 1F000 00 00 00 00 00 00 00 00 00 00 00 00 00 00 DescriptionPCI to PCI Bridge	device 29 (0x1D)	function 0 (0x00)	
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 29 (0x1D)	function 0 (0x00)	
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 29 (0x1D)	function 0 (0x00)	
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 29 (0x1D)	function 0 (0x00)	
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 29 (0x1D)	function 0 (0x00)	
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 29 (0x1D)	function 0 (0x00)	
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 29 (0x1D)	function 0 (0x00)	
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 29 (0x1D)	function 0 (0x00)	
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 29 (0x1D)	function 0 (0x00)	
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 29 (0x1D)	function 0 (0x00)	
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 29 (0x1D)	function 0 (0x00)	
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 29 (0x1D)	function 0 (0x00)	
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00 1F000 00 00 00 00 00 00 00 00 00 00 00 00	device 29 (0x1D)	function 0 (0x00)	
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00 1F000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 29 (0x1D)	function 0 (0x00)	
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00 1F000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 29 (0x1D)	function 0 (0x00)	

Port9 Caps version2.0		
Caps version2.0		
Physical slot#1		
Presence detectyes		
Link width4x (max 4x)		
Link speed8.0 GT/s (max 8.0 GT/s)		
PCI capability		
Caps classMessage Signalled Interrupts		
Caps offset0x80		
PCI capability		
. C. capazinity		
Caps classSubsystem Vendor		
Caps offset0x90		
SubVendor ID0x1462 (MSI)		
SubSystem ID0x7B46		
PCI capability		
Caps classPower Management		
Caps offset0xA0		
Caps version1.2		
PCI extended capability		
Caps classAdvanced Error Reporting		
Caps offset0x100		
PCI extended capability		
Caps class0xD		
Caps offset0x140		
PCI extended capability		
Caps classSecondary PCI Express		
Caps offset0x220		
PCI registers		
00 01 02 03 04 05 06 07 08 09 0A 0B 0C		
0D 0E 0F		
0086 80 98 A2 06 04 10 00 F0 00 04 06		
10 00 81 00 1000 00 00 00 00 00 00 00 00 05 05 00		
F0 00 00 20		
2010 DF 10 DF F1 FF 01 00 00 00 00 00		
00 00 00 00		
3000 00 00 00 40 00 00 00 00 00 00 00		
OB 01 00 00		
4010 80 42 01 01 80 00 00 20 00 10 00		
43 40 72 09		
5040 00 43 70 00 FD 64 00 00 00 40 01		
00 00 00 00		
6000 00 00 00 37 08 00 00 00 04 00 00		
0E 00 00 00		
7003 00 1F 00 00 00 00 00 00 00 00 00 00 00 00 00		
8005 90 00 00 00 00 00 00 00 00 00 00		
00 00 00 00		
900D A0 00 00 62 14 46 7B 00 00 00 00		
00 00 00 00		
A001 00 03 C8 00 00 00 00 00 00 00 00		
00 00 00 00		
B000 00 00 00 00 00 00 00 00 00 00 00		
00 00 00 00		
C000 00 00 00 00 00 00 00 00 00 00 00		
00 00 00 00		
D011 10 00 07 42 18 00 00 08 00 9E 89		
00 00 00 00		
E000 B7 F3 00 F4 09 F4 09 16 80 12 00 00 00 00 00		
F050 01 00 00 00 03 00 40 B3 0F 00 08		
00 C0 00 01		
10001 00 01 14 00 00 00 00 00 00 01 00		
11 00 06 00		
11000 00 00 00 00 20 00 00 00 00 00 00		
11000 00 00 00 00 20 00 00 00 00 00 00 00 00 00 00 12000 00 00 00 00 00 00 00 00 00 00 00		
11000 00 00 00 00 20 00 00 00 00 00 00 00 00 00 00 12000 00 00 00 00 00 00 00 00 00 00 00 00 00		
11000 00 00 00 00 20 00 00 00 00 00 00 00		
11000 00 00 00 00 20 00 00 00 00 00 00 00		
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11000 00 00 00 00 20 00 00 00 00 00 00 00		
11000 00 00 00 00 20 00 00 00 00 00 00 00		
11000 00 00 00 00 20 00 00 00 00 00 00 00		
11000 00 00 00 00 20 00 00 00 00 00 00 00		
11000 00 00 00 00 20 00 00 00 00 00 00 00	device 31 (0x1F) function 0 (0x00)	
11000 00 00 00 00 20 00 00 00 00 00 00 00	device 31 (0x1F) function 0 (0x00)	
11000 00 00 00 00 20 00 00 00 00 00 00 00	device 31 (0x1F) function 0 (0x00)	
11 00 06 00 11000 00 00 00 00 20 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 0 (0x00)	

SubClass0x01			
BaseClass0x06			
Cache Line0x00 Latency0x00			
Header0x80			
PCI header			
Subvendor ID0x1462 (MSI)			
Subsystem ID0x7B46			
Int. Line0x00			
Int. Pin0x00			
PCI registers			
00 01 02 03 04 05 06 07 08 09 0A 0B 0C			
OD OE OF 0086 80 C9 A2 07 00 00 02 00 00 01 06			
00 00 80 00			
1000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
2000 00 00 00 00 00 00 00 00 00 00 00			
62 14 46 7B			
3000 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
4000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 5000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
6000 00 00 00 D0 00 00 00 00 00 00 00			
00 00 00 00			
7000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
8070 00 0E 3F 01 02 FC 00 01 0A 3C 00			
E1 03 0C 00			
90E1 02 1C 00 00 00 00 00 00 00 00 00 00 00 00 00			
A000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
B000 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
C000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
D033 22 11 00 67 45 00 00 CF FF 00 00			
80 00 00 00 E0C0 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
F000 00 00 00 00 00 00 00 B3 0F 00 08			
00 00 00 00			
DescriptionMemory Controller			
Locationbus 0 (0x00)	device 31 (0x1F)	function 2 (0x02)	
Common header			
Vendor ID0x8086 (Intel)			
Model ID0xA2A1 Revision ID0x00			
PIOx00			
SubClass0x80			
BaseClass0x05			
Daseciassonos			
Cache Line0x00			
Cache Line0x00 Latency0x00			
Cache Line0x00 Latency0x00 Header0x80			
Cache Line0x00 Latency0x00			
Cache Line0x00 Latency0x00 Header0x80 PCI header			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000			
Cache Line0x00 Latency0x00 Header0x80 PCI header			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 80 05			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 80 05 00 00 80 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 00 00 00 00			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 80 05 00 08 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 00 00 00 00			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 80 05 00 00 80 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 62 14 46 7B			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 80 05 00 00 80 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 62 14 46 7B 3000 00 00 00 00 00 00 00 00 00 00			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 80 05 00 00 80 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 62 14 46 7B 3000 00 00 00			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7846 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 80 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 62 14 46 7B 3000 00 00 00 00 00 00 00 00 00 00 00 00			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 80 05 00 00 80 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 62 14 46 7B 3000 00 00 00			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7846 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 80 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 62 14 46 7B 3000 00 00 00 00 00 00 00 00 00 00 00 00 00			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 4001 18 00 00 80 01 00 00 00 00 00 00 5000 00 00 5000 00 00 5000 00 00 6000 00 00 6000 00 00 7000 00 00 00 00 00 00 00 00 00 00 00 00			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 4001 18 00 00 80 01 00 00 00 00 00 00 5000 00 00 5000 00 00 00 00 00 00 00 00 00 00 00 6000 00 00 6000 00 00 7000 00 00 8000 00 00 00 00 00 00 00 00 00 00 8000 00 00 8000 00 00 00 00 00 00 00 00 00 00 00			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 4001 18 00 00 80 01 00 00 00 00 00 00 5000 00 00 5000 00 00 5000 00 00 5000 00 00 00 00 00 00 00 00 00 00 00 00 00			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 4001 18 00 00 80 01 00 00 00 00 00 00 5000 00 00 5000 00 00 00 00 00 00 00 00 00 00 00 6000 00 00 6000 00 00 7000 00 00 8000 00 00 00 00 00 00 00 00 00 00 8000 00 00 8000 00 00 00 00 00 00 00 00 00 00 00			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 80 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 62 14 46 7B 3000 00 00 00 00 00 00 00 00 00 00 00 FE 00 00 00 00 5000 00 00 00 00 00 00 00 00 00 00 00 00			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 80 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 62 14 46 7B 3000 00 00 00 00 00 00 00 00 00 00 00 FE 00 00 00 00 5000 00 00 00 00 00 00 00 00 00 00 00 00			
Cache Line0x00 Latency0x00 Header0x80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. Line0x00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 80 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 62 14 46 7B 3000 00 00 00 00 00 00 00 00 00 00 00 FE 00 00 00 00 5000 00 00 00 00 00 00 00 00 00 00 00 00			
Cache LineOx00 LatencyOx00 HeaderOx80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7846 Int. LineOx00 Int. PinOx00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 00			
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Cache LineOx00 LatencyOx00 HeaderOx80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7846 Int. LineOx00 Int. PinOx00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 00			
Cache LineOx00 LatencyOx00 HeaderOx80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7846 Int. LineOx00 Int. PinOx00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 00			
Cache LineOx00 LatencyOx00 HeaderOx80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7846 Int. LineOx00 Int. PinOx00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 00			
Cache LineOx00 LatencyOx00 HeaderOx80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7846 Int. LineOx00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 80 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 62 14 46 7B 3000 00 00 00 00 00 00 00 00 00 00 00 00			
Cache LineOx00 LatencyOx00 HeaderOx80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7846 Int. LineOx00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 00 00			
Cache LineOx00 LatencyOx00 HeaderOx80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7846 Int. LineOx00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 00 00			
Cache LineOx00 LatencyOx00 HeaderOx80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7846 Int. LineOx00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 00 00			
Cache LineOx00 LatencyOx00 HeaderOx80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. LineOx00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 00	davice 21 /Du1F)	Function 2 (1992)	
Cache LineOx00 LatencyOx00 HeaderOx80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. LineOx00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F)	function 3 (0x03)	
Cache LineOx00 LatencyOx00 HeaderOx80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. LineOx00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F)	function 3 (0x03)	
Cache LineOx00 LatencyOx00 HeaderOx80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. LineOx00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F)	function 3 (0x03)	
Cache LineOx00 LatencyOx00 HeaderOx80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. LineOx00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F)	function 3 (0x03)	
Cache LineOx00 LatencyOx00 HeaderOx80 PCI header Address 0 (memory)0xDF444000 Subvendor ID0x1462 (MSI) Subsystem ID0x7B46 Int. LineOx00 Int. Pin0x00 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 0086 80 A1 A2 06 00 00 00 00 00 00 00 00 00 00 00 00 1000 40 44 DF 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F)	function 3 (0x03)	

BaseClass0x04		
Cache Line0x10		
Latency0x20 Header0x00		
PCI header		
Address O		
Address 0 (memory)0x0000000DF440004		
Address 4 (memory)0x0000000DF420004		
Subvendor ID0x1462 (MSI)		
Subsystem ID0xCB46		
Int. Line0x10 Int. Pin0x01		
PCI capability		
Caps classPower Management Caps offset0x50		
Caps version1.2		
PCI capability		
Caps classMessage Signalled Interrupts		
Caps offset0x60		
PCI registers		
00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F		
0086 80 F0 A2 06 00 10 00 00 00 03 04		
10 20 00 00		
1004 00 44 DF 00 00 00 00 00 00 00 00 00 00 00 00 00		
2004 00 42 DF 00 00 00 00 00 00 00 00		
62 14 46 CB 3000 00 00 00 50 00 00 00 00 00 00 00		
10 01 00 00		
4000 00 00 00 00 00 00 FF 0D 3B 80		
5001 60 43 C0 08 00 00 00 00 00 00 00		
5001 60 43 C0 08 00 00 00 00 00 00 00 00 00 00 00 00		
6005 00 80 00 00 00 00 00 00 00 00 00		
7010 00 01 00 00 00 10 00 38 10 00		
7010 00 91 00 00 00 00 10 00 28 10 00 00 00 00 00		
8000 00 00 00 00 00 00 00 00 00 00 00		
00 00 00 00 9000 00 00 00 00 00 00 00 00 00 00		
00 00 00 00		
A000 00 00 00 00 00 00 00 00 00 00 00		
00 00 00 00		
B000 00 00 00 00 00 00 00 00 00 00 00 00		
C008 06 02 00 00 70 80 04 00 0C A5 82		
10 00 03 00		
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00		
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00		
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00		
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00		
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 F000 00 00 00 00 00 00 00 B3 0F 00 08 00 00 00 00		
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0v1F) function 4 (0v04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 F000 00 00 00 00 00 00 00 B3 0F 00 08 00 00 00 00 DescriptionSMBus Controller Locationbus 0 (0x00) Common header Vendor ID0x8086 (Intel)	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 F000 00 00 00 00 00 00 00 B3 0F 00 08 00 00 00 00 DescriptionSMBus Controller Locationbus 0 (0x00) Common header Vendor ID0x8086 (Intel) Model ID0xA2A3	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 F000 00 00 00 00 00 00 00 B3 0F 00 08 00 00 00 00 DescriptionSMBus Controller Locationbus 0 (0x00) Common header Vendor ID0x8086 (Intel)	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 F000 00 00 00 00 00 00 00 B3 0F 00 08 00 00 00 00 DescriptionSMBus Controller Locationbus 0 (0x00) Common header Vendor ID0x8086 (Intel) Model ID0xA2A3 Revision ID0x00 PI0x00 SubClass0x05	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 F000 00 00 00 00 00 00 00 B3 0F 00 08 00 00 00 00 DescriptionSMBus Controller Locationbus 0 (0x00) Common header Vendor ID0x8086 (Intel) Model ID0xA2A3 Revision ID0x00 PI0x00 SubClass0x05 BaseClass0x0C	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 F000 00 00 00 00 00 00 00 B3 0F 00 08 00 00 00 00 DescriptionSMBus Controller Locationbus 0 (0x00) Common header Vendor ID0x8086 (Intel) Model ID0xA2A3 Revision ID0x00 PI0x00 SubClass0x05 BaseClass0x0C Cache Line0x00 Latency0x00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 F000 00 00 00 00 00 00 00 B3 0F 00 08 00 00 00 00 DescriptionSMBus Controller Locationbus 0 (0x00) Common header Vendor ID0x8086 (Intel) Model ID0xA2A3 Revision ID0x00 PI0x00 SubClass0x05 BaseClass0x0C Cache Line0x00 Latency0x00 Header0x00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 F000 00 00 00 00 00 00 00 B3 0F 00 08 00 00 00 00 DescriptionSMBus Controller Locationbus 0 (0x00) Common header Vendor ID0x8086 (Intel) Model ID0xA2A3 Revision ID0x00 PI0x00 SubClass0x05 BaseClass0x0C Cache Line0x00 Latency0x00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x3F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (0x1F) function 4 (0x04)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (bulf) function 4 (bip4)	
10 00 03 00 D000 0C B5 02 10 00 03 00 00 00 00 00 00 00 00 00 E000 00 00 00 00 00 00 00 00 00 00 00 00 00	device 31 (Dolf) function 4 (OxOd)	

C000 00 00 00 00 00 00 00 00 00 00 00		
00 00 00 00		
D000 00 00 00 00 00 00 00 00 00 00 00		
00 00 00 00		
E000 00 00 00 00 00 00 00 00 00 00 00		
00 00 00 00		
F000 00 00 00 00 00 00 B3 0F 00 08		
00 00 00 00		
Description 5th annual Company II an		
DescriptionEthernet Controller	device 21 (Ov15)	function (10,000)
Locationbus 0 (0x00) Common header	device 31 (0x1F)	function 6 (0x06)
Vendor ID0x8086 (Intel)		
Model ID0x15B8		
Revision ID0x00		
PI0x00		
SubClass0x00		
BaseClass0x02		
Cache Line0x00		
Latency0x00		
Header0x00		
PCI header		
Address 0 (memory)0xDF400000		
Subvendor ID0x1462 (MSI)		
Subsystem ID0x7B46		
Int. Line0x00 Int. Pin0x01		
PCI capability		
. C. Capability		
Caps classPower Management		
Caps offset0xC8		
Caps version1.2		
PCI capability		
Caps classMessage Signalled		
Interrupts		
Caps offset0xD0		
PCI capability		
Caps class0x13		
Caps offset0xE0		
PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C		
OD OE OF		
0086 80 B8 15 06 04 10 00 00 00 00 02		
00 00 00 00		
1000 00 40 DF 00 00 00 00 00 00 00 00		
00 00 00 00		
2000 00 00 00 00 00 00 00 00 00 00		
62 14 46 7B		
3000 00 00 00 C8 00 00 00 00 00 00 00		
00 01 00 00		
4000 00 00 00 00 00 00 00 00 00 00 00		
00 00 00 00		
5000 00 00 00 00 00 00 00 00 00 00 00 00 00		
6000 00 00 00 00 00 00 00 00 00 00 00		
00 00 00 00		
7000 00 00 00 00 00 00 00 00 00 00 00		
00 00 00 00		
8028 00 00 00 08 00 00 00 00 00 00 00		
00 00 00 00		
9000 00 00 00 1F 00 00 00 00 00 00 00		
40 02 18 58		
A000 00 00 00 01 00 00 00 03 10 03 10		
00 00 00 00		
B000 00 00 00 00 00 00 00 00 00 00 00 00		
C000 00 00 00 00 00 00 00 01 D0 23 C8		
08 20 00 00		
D005 E0 81 00 30 01 E0 FE 00 00 00 00		
00 00 00 00		
E013 00 06 03 00 00 00 00 00 00 00 00		
00 00 00 00		
F000 00 00 00 00 00 00 00 00 00 00 00		
00 00 00 00		
Description\/GA Controller		
DescriptionVGA Controller Locationbus 1 (0x01)	device 0 (0x00)	function 0 (0x00)
Common header		
Vendor ID0x10DE (NVIDIA)		
Model ID0x2182		
Revision ID0xA1		
PIOx00		
SubClass0x00		
BaseClass0x03 Cache Line0x10		
Latency0x00		
Header0x80		
PCI header		
Address 0 (memory)0xDE000000		
Address 1		
(memory)0x000000000000000		
Addross 2		
Address 3		
(memory)0x00000000000000000000000000000000000		
Subvendor ID0x1462 (MSI)		
Subsystem ID0x1462 (WSI)		
Int. Line0x10		
Int. Pin0x01		
PCI capability		
Caps classPower Management		
Caps offset0x60		
Caps version1.2 PCI capability		

1E000 00 00 00 00 00 00 00 00 00 00 00 00			
1F000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 DescriptionHigh Definition Audio			
(HDA) Locationbus 1 (0x01)	device 0 (0x00)	function 1 (0x01)	
Common header	, ,		
Vendor ID0x10DE (NVIDIA)			
Model ID0x1AEB Revision ID0xA1			
PI0x00 SubClass0x03			
BaseClass0x04 Cache Line0x10			
Latency0x00			
Header0x80 PCI header			
Address 0 (memory)0xDF080000			
Subvendor ID0x1462 (MSI) Subsystem ID0x375A			
Int. Line0x11			
Int. Pin0x02 PCI capability			
Caps classPower Management			
Caps offset0x60 Caps version1.2			
PCI capability			
Caps classMessage Signalled Interrupts			
Caps offset0x68 PCI capability			
Caps classPCI Express Caps offset0x78			
Device typePCI-E Endpoint Device Port0			
Caps version2.0 Link width16x (max 16x)			
Link speed8.0 GT/s (max 8.0 GT/s)			
PCI extended capability			
Caps classAdvanced Error Reporting			
Caps offset0x100 PCI registers			
00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F			
00DE 10 EB 1A 06 00 10 00 A1 00 03 04			
10 00 80 00 1000 00 08 DF 00 00 00 00 00 00 00 00			
00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00			
62 14 5A 37 3000 00 00 00 60 00 00 00 00 00 00 00			
11 02 00 00			
4062 14 5A 37 00 00 00 00 00 00 00 00 00 00 00 00 00			
5000 00 00 00 00 00 00 00 CE D6 23 00 00 00 00 00			
6001 68 03 00 08 00 00 00 05 78 80 00 00 00 00 00 00			
7000 00 00 00 00 00 00 10 00 02 00			
E1 8D 2C 01 8010 29 09 00 03 4D 45 00 43 01 03 11			
00 00 00 00 9000 00 00 00 00 00 00 00 00 00 00 00			
13 08 04 00 A000 00 00 00 0E 00 00 00 00 00 01 00			
00 00 00 00			
B000 00 00 00 00 00 00 00 00 00 00 00 00 00			
C000 00 00 00 00 00 00 00 00 00 00 00 00			
D000 00 00 00 00 00 00 00 00 00 00 00 00			
E000 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 F000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 10001 00 02 00 00 00 00 00 00 00 00			
30 20 46 00 11000 20 00 00 00 A0 00 00 00 00 00 00			
00 00 00 00			
12000 00 00 00 00 00 00 00 00 00 00 00 00			
13000 02 00 00 00 00 00 00 00 00 00 00 00			
14000 00 00 00 00 00 00 00 10 00 00 00 00			
15000 00 00 E0 20 71 10 00 00 00 00 00			
0F 00 00 00 16025 00 01 00 01 00 00 80 00 00 00 00			
00 00 00 00 17000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 00 18000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
19000 00 00 00 00 00 00 00 00 00 00 00 00			
1A000 00 00 00 00 00 00 00 00 00 00 00 00			
1B000 00 00 00 00 00 00 00 00 00 00 00 00			
1C000 00 00 00 00 00 00 00 00 00 00 00 00			

1D000 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 00			
1E000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 1F000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
DescriptionUSB Controller (xHCI)			
Locationbus 1 (0x01)	device 0 (0x00)	function 2 (0x02)	
Common header			
Vendor ID0x10DE (NVIDIA)			
Model ID0x1AEC			
Revision ID0xA1			
PI0x30			
SubClass0x03			
BaseClass0x0C Cache Line0x10			
Latency0x00			
Header0x80			
PCI header			
Address 0 (memory)0x00000000D200000C			
(memory)0x0000000D200000C			
Address 3			
(memory)0x00000000D204000C			
Subvendor ID0x1462 (MSI)			
Subsystem ID0x375A			
Int. Line0x00 Int. Pin0x03			
PCI capability			
Caps classMessage Signalled			
Interrupts			
Caps offset0x68			
PCI capability Caps classPCI Express			
Caps offset0x78			
Device typePCI-E Endpoint Device			
Port0			
Caps version2.0			
Link width16x (max 16x)			
Link speed8.0 GT/s (max 8.0 GT/s)			
PCI capability			
Caps classPower Management			
Caps offset0xB4 Caps version1.2			
PCI extended capability			
, and the same of			
Caps classAdvanced Error Reporting			
Caps offset0x100			
PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C			
OD OE OF			
00DE 10 EC 1A 06 04 10 00 A1 30 03 0C			
10 00 80 00			
100C 00 00 D2 00 00 00 00 00 00 00 00			
OC 00 04 D2			
2000 00 00 00 00 00 00 00 00 00 00 00 62 14 5A 37			
3000 00 00 00 68 00 00 00 00 00 00 00			
00 03 00 00			
4000 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
5000 00 00 00 00 00 00 00 00 00 00 00 00			
6031 60 00 00 00 00 00 00 05 78 81 00			
F0 01 E0 FE			
7000 00 00 00 00 00 00 10 B4 02 00			
E0 8D 2C 01 8010 29 09 00 03 4D 45 00 40 00 03 11			
00 00 00 00			
9000 00 00 00 00 00 00 00 00 00 00			
13 08 04 00			
A000 00 00 00 0E 00 00 00 00 00 01 00 00 00 00 00			
B000 00 00 00 01 00 43 48 08 00 00 00			
00 00 00 00			
000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 D000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
E000 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
F000 00 00 00 00 00 00 00 00 00 00 00 00			
10001 00 02 00 00 00 00 00 00 00 40 00			
30 20 46 00			
11000 20 00 00 00 A0 00 00 00 00 00 00			
00 00 00 00			
12000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 13000 00 00 00 00 00 00 00 0E 00 01 00			
00 03 00 00			
14025 00 01 00 01 00 00 80 00 00 00 00			
00 00 00 00			
15000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00 16000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
17000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			
18000 00 00 00 00 00 00 00 00 00 00 00 00			
19000 00 00 00 00 00 00 00 00 00 00 00			
00 00 00 00			

1A000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
18000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 1C000 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
1D000 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00
00 00 00 00
1F000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
DescriptionSerial Bus Controller
Locationbus 1 (0x01) device 0 (0x00) function 3 (0x03)
Common header
Vendor ID0x10DE (NVIDIA)
Model ID0x1AED
Revision ID0xA1 PI0x00
SubClass0x80
BaseClass0x0C
Cache LineOx10 Latency0x00
Header0x80
PCI header
Address 0 (memory)0xDF084000
Subvendor ID0x1462 (MSI)
Subsystem ID0x375A
Int. Line0x00 Int. Pin0x04
PCI capability
Caps classMessage Signalled
Interrupts Caps offset0x68
PCI capability
Caps classPCI Express Caps offset(N/78
Caps offset0x78
Device typePCI-E Endpoint Device
Port0 Caps version2.0
Link width16x (max 16x)
Link speed8.0 GT/s (max 8.0 GT/s) PCI capability
T CI Capability
Caps classPower Management
Caps offset0xB4 Caps version1.2
PCI extended capability
Caps classAdvanced Error Reporting Caps offset0x100
PCI registers
00 01 02 03 04 05 06 07 08 09 0A 0B 0C
0D 0E 0F 00DE 10 ED 1A 06 04 10 00 A1 00 80 0C
10 00 80 00
1000 40 08 DF 00 00 00 00 00 00 00 00 00
00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 00
62 14 5A 37
3000 00 00 68 00 00 00 00 00 00 00
00 04 00 00 4000 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
5000 00 00 00 00 00 00 00 00 00 00 00 00
6000 00 00 00 00 00 00 00 00 05 78 81 00
B0 01 E0 FE
7000 00 00 00 00 00 00 10 B4 02 00 E0 8D 2C 01
8010 29 09 00 03 4D 45 00 40 00 03 11
00 00 00 00
9000 00 00 00 00 00 00 00 00 00 00 00 00
A000 00 00 0E 00 00 00 00 00 00 00 00 00
00 00 00 00
B000 00 00 01 00 43 48 08 00 00 00 00 00 00 00
C000 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
D000 00 00 00 00 00 00 00 00 00 00 00 00
E000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 F000 00 00 00 00 00 00 00 00
00 00 00 00
10001 00 02 00 00 00 00 00 00 00 00 00
30 20 46 00 11000 20 00 00 00 00 00 00 00 00 00 00
11000 20 00 00 00 00 00 00 00 00 00 00 00
12000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 13000 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
14025 00 01 00 01 00 00 80 00 00 00 00
00 00 00 00 15000 00 00 00 00 00 00 00 00 00 00 00
15000 00 00 00 00 00 00 00 00 00 00 00 00
16000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 17000 00 00 00 00 00 00 00 00 00 00 00
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18000 00 00 00 00 00 00 00 00 00 00 00
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19000 00 00 00 00 00 00 00 00 00 00 00				
00 00 00 00 1A000 00 00 00 00 00 00 00 00 00 00 00				
00 00 00 00 1B000 00 00 00 00 00 00 00 00 00 00				
00 00 00 00 1C000 00 00 00 00 00 00 00 00 00 00				
00 00 00 00 1D000 00 00 00 00 00 00 00 00 00 00				
00 00 00 00 00 1E000 00 00 00 00 00 00 00 00 00 00 00				
00 00 00 00 1F000 00 00 00 00 00 00 00 00 00 00 00				
00 00 00 00				
DescriptionUSB Controller (xHCl)	1 (0.00)	f 0 (0.00)		
Locationbus 3 (0x03) Common header	device 0 (0x00)	function 0 (0x00)		
Vendor ID0x1B21 (ASMedia)				
Model ID0x2142 Revision ID0x00				
PI0x30 SubClass0x03				
BaseClass0x0C Cache Line0x10				
Latency0x00				
PCI header				
Address 0				
(memory)0x0000000DF300004 Subvendor ID0x1462 (MSI)				
Subsystem ID0x7B46 Int. Line0x00				
Int. Pin0x01 PCI capability				
Caps classMessage Signalled				
Interrupts Caps offset0x50				
PCI capability Caps classMSI-X				
Caps offset0x68 PCI capability				
Caps classPower Management				
Caps offset0x78				
Caps version1.2 PCI capability				
Caps classPCI Express Caps offset0x80				
Device typeLegacy PCI-E Endpoint Device				
Port0 Caps version2.0				
Link width2x (max 2x)				
Link speed8.0 GT/s (max 8.0 GT/s) PCI extended capability				
Caps classAdvanced Error Reporting				
Caps offset0x100 PCI extended capability				
Caps classSecondary PCI Express				
Caps offset0x200 PCI extended capability				
Caps class0x18 Caps offset0x300				
PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C				
OD OE OF				
0021 1B 42 21 06 04 10 00 00 30 03 0C 10 00 00 00				
1004 00 30 DF 00 00 00 00 00 00 00 00 00 00 00 00 00				
2000 00 00 00 00 00 00 00 00 00 00 00 62 14 46 7B				
3000 00 00 00 50 00 00 00 00 00 00 00 00				
4000 00 00 00 00 00 00 00 00 00 00 00 00				
5005 68 86 00 00 00 00 00 00 00 00 00 00 00 00 00				
6030 40 00 00 00 00 00 00 11 78 07 80 00 20 00 00				
7080 20 00 00 00 00 00 01 80 43 C8 08 00 00 00				
8010 00 12 00 22 82 E8 07 30 28 10 00				
23 DC 43 00 9040 00 23 10 00 00 00 00 00 00 40 00			 	
00 00 00 00 A000 00 00 00 00 08 00 00 00 04 00 00				
0E 00 00 00 B003 00 1E 00 00 00 00 00 00 00 00				
00 00 00 00 C000 00 00 00 21 1B 01 02 00 00 00 00				
00 00 00 00 00 00 00 00 00 00 00 00 00				
00 00 00 00				
E000 00 00 00 00 00 01 40 00 00 00 00 00 00 00 00 00 00 00 00				
F000 00 00 00 00 00 00 00 00 00 00 00 00				
10001 00 01 20 00 00 00 00 00 00 00 00 00 31 20 06 00				
11001 00 00 00 00 20 00 00 20 00 00 00 00 00				

12000 00 00 00 00 00 00 00 00 00 00 00 00		
42000 00 00 00 00 00 00 00 00 00 00		
13000 00 00 00 00 00 00 00 00 00 00 00		
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1D000 00 00 00 00 00 00 00 00 00 00		
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1E000 00 00 00 00 00 00 00 00 00 00 00		
00 00 00 00		
1F000 00 00 00 00 00 00 00 00 00 00 00		
00 00 00 00		
DescriptionNetwork Controller		
Locationbus 4 (0x04)	device 0 (0x00)	function 0 (0x00)
Common header		
Vendor ID0x168C (Qualcomm Atheros)		
Model ID0x0030		
Revision ID0x01		
PI0x00		
SubClass0x80		
BaseClass0x02		
Cache Line0x10		
Latency0x00		
Header0x00		
PCI header		
Address 0		
(memory)0x0000000DF2E0004		
Subvendor ID0x168C (Qualcomm		
Atheros)		
Subsystem ID0x3112		
Int. Line0x00		
Int. Pin0x01		
PCI capability		
recreapability		
Cans class Power Management		
Caps classPower Management		
Caps offset0x40		
Caps version1.2		
PCI capability		
Caps classMessage Signalled		
Interrupts		
Caps offset0x50		
PCI capability		
Caps classPCI Express		
C		
Caps offset0x70		
Device typePCI-E Endpoint Device		
Device typePCI-E Endpoint Device Port0		
Device typePCI-E Endpoint Device Port0 Caps version2.0		
Device typePCI-E Endpoint Device Port0		
Device typePCI-E Endpoint Device Port0 Caps version2.0 Link width1x (max 1x)		
Device typePCI-E Endpoint Device Port0 Caps version2.0 Link width1x (max 1x) Link speed2.5 GT/s (max 2.5 GT/s)		
Device typePCI-E Endpoint Device Port0 Caps version2.0 Link width1x (max 1x)		
Device typePCI-E Endpoint Device Port0 Caps version2.0 Link width1x (max 1x) Link speed2.5 GT/s (max 2.5 GT/s) PCI extended capability		
Device typePCI-E Endpoint Device Port0 Caps version2.0 Link width1x (max 1x) Link speed2.5 GT/s (max 2.5 GT/s) PCI extended capability Caps classAdvanced Error Reporting		
Device typePCI-E Endpoint Device Port0 Caps version2.0 Link width1x (max 1x) Link speed2.5 GT/s (max 2.5 GT/s) PCI extended capability Caps classAdvanced Error Reporting Caps offset0x100		
Device typePCI-E Endpoint Device Port0 Caps version2.0 Link width1x (max 1x) Link speed2.5 GT/s (max 2.5 GT/s) PCI extended capability Caps classAdvanced Error Reporting Caps offset0x100 PCI extended capability		
Device typePCI-E Endpoint Device Port0 Caps version2.0 Link width1x (max 1x) Link speed2.5 GT/s (max 2.5 GT/s) PCI extended capability Caps classAdvanced Error Reporting Caps offset0x100 PCI extended capability Caps classVirtual Channel		
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Device typePCI-E Endpoint Device Port0 Caps version2.0 Link width1x (max 1x) Link speed2.5 GT/s (max 2.5 GT/s) PCI extended capability Caps classAdvanced Error Reporting Caps offset0x100 PCI extended capability Caps classVirtual Channel		
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Device typePCI-E Endpoint Device Port0 Caps version2.0 Link width1x (max 1x) Link speed2.5 GT/s (max 2.5 GT/s) PCI extended capability Caps classAdvanced Error Reporting Caps offset0x100 PCI extended capability Caps classVirtual Channel Caps offset0x140 PCI extended capability Caps classDevice Serial Number		
Device typePCI-E Endpoint Device Port0 Caps version2.0 Link width1x (max 1x) Link speed2.5 GT/s (max 2.5 GT/s) PCI extended capability Caps classAdvanced Error Reporting Caps offset0x100 PCI extended capability Caps classVirtual Channel Caps offset0x140 PCI extended capability Caps classDevice Serial Number Caps offset0x300		
Device typePCI-E Endpoint Device Port0 Caps version2.0 Link width1x (max 1x) Link speed2.5 GT/s (max 2.5 GT/s) PCI extended capability Caps classAdvanced Error Reporting Caps offset0x100 PCI extended capability Caps classVirtual Channel Caps offset0x140 PCI extended capability Caps classDevice Serial Number Caps offset0x300 Serial (EUI-64)0-0		
Device typePCI-E Endpoint Device Port0 Caps version2.0 Link width1x (max 1x) Link speed2.5 GT/s (max 2.5 GT/s) PCI extended capability Caps classAdvanced Error Reporting Caps offset0x100 PCI extended capability Caps classVirtual Channel Caps offset0x140 PCI extended capability Caps classDevice Serial Number Caps offset0x300 Serial (EUI-64)0-0 PCI registers		
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Device typePCI-E Endpoint Device Port0 Caps version2.0 Link width1x (max 1x) Link speed2.5 GT/s (max 2.5 GT/s) PCI extended capability Caps classAdvanced Error Reporting Caps offset0x100 PCI extended capability Caps classVirtual Channel Caps offset0x140 PCI extended capability Caps classDevice Serial Number Caps offset0x300 Serial (EUI-64)0-0 PCI registers 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 008C 16 30 00 46 05 10 00 01 00 80 02 10 00 00 00 1004 00 2E DF 00 00 00 00 00 00 00 00 00 00 00 00 2000 00 00 00 00 00 00 00 00 00 00 00 8C 16 12 31 3000 00 00 00 40 00 00 00 00 00 00 00 00 00 00 00 00 00		

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F000 00 00 00 00 00 00 00 00 00 00 00 00
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10001 00 01 14 00 00 00 00 00 00 00 00
30 20 06 00
11000 00 00 00 00 00 00 00 00 00 00 00
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12000 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
13000 00 00 00 00 00 00 00 00 00 00 00 00
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14002 00 01 30 00 00 00 00 00 00 00 00
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15000 00 00 0F F0 00 80 00 00 00
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16000 00 00 00 00 00 00 00 00 00 00 00
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17000 00 00 00 00 00 00 00 00 00 00 00
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18000 00 00 00 00 00 00 00 00 00 00 00
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18000 00 00 00 00 00 00 00 00 00 00
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1C000 00 00 00 00 00 00 00 00 00 00 00
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1D000 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00
1E000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
15000 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
DescriptionNVM Express (NVMe)
Controller
Locationbus 5 (0x05) device 0 (0x00) function 0 (0x00)
Common header
Vendor ID0x144D (Samsung)
Model ID0xA804
Revision ID0x00
PI0x02
SubClass0x08
BaseClass0x01
Cache Line0x10
Latency0x00
Header(IXIX)
Header0x00 PCI honder
PCI header
PCI header
PCI header Address 0
PCI header
PCI header Address 0
PCI header Address 0 (memory)0x0000000DF100004
PCI header Address 0 (memory)0x0000000DF100004 Subvendor ID0x144D (Samsung)
PCI header Address 0 (memory)0x0000000DF100004 Subvendor ID0x144D (Samsung) Subsystem ID0xA801
PCI header Address 0 (memory)0x0000000DF100004 Subvendor ID0x144D (Samsung) Subsystem ID0xA801 Int. Line0x00
PCI header Address 0 (memory)0x0000000DF100004 Subvendor ID0x144D (Samsung) Subsystem ID0xA801 Int. Line0x00 Int. Pin0x01
PCI header Address 0 (memory)0x0000000DF100004 Subvendor ID0x144D (Samsung) Subsystem ID0xA801 Int. Line0x00
PCI header Address 0 (memory)0x0000000DF100004 Subvendor ID0x144D (Samsung) Subsystem ID0xA801 Int. Line0x00 Int. Pin0x01 PCI capability
PCI header Address 0 (memory)0x0000000DF100004 Subvendor ID0x144D (Samsung) Subsystem ID0xA801 Int. Line0x00 Int. Pin0x01
PCI header Address 0 (memory)0x0000000DF100004 Subvendor ID0x144D (Samsung) Subsystem ID0xA801 Int. Line0x00 Int. Pin0x01 PCI capability
PCI header Address 0 (memory)0x0000000DF100004 Subvendor ID0x144D (Samsung) Subsystem ID0xA801 Int. Line0x00 Int. Pin0x01 PCI capability Caps classPower Management
PCI header Address 0 (memory)0x0000000DF100004 Subvendor ID0x144D (Samsung) Subsystem ID0xA801 Int. Line0x00 Int. PinOx01 PCI capability Caps classPower Management Caps offset0x40 Caps version1.2
PCI header Address 0 (memory)0x0000000DF100004 Subvendor ID0x144D (Samsung) Subsystem ID0xA801 Int. Line0x00 Int. Pin0x01 PCI capability Caps classPower Management Caps offset0x40 Caps version1.2 PCI capability
PCI header Address 0 (memory)0x0000000DF100004 Subvendor ID0x144D (Samsung) Subsystem ID0xA801 Int. Line0x00 Int. Pin0x01 PCI capability Caps classPower Management Caps offset0x40 Caps version1.2 PCI capability Caps classMessage Signalled
PCI header Address 0 (memory)0x0000000DF100004 Subvendor ID0x144D (Samsung) Subsystem ID0xA801 Int. Line0x00 Int. Pin0x01 PCI capability Caps classPower Management Caps offset0x40 Caps version1.2 PCI capability Caps classMessage Signalled Interrupts
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PCI header Address 0 (memory)0x0000000DF100004 Subvendor ID0x144D (Samsung) Subsystem ID0xA801 Int. Line0x00 Int. Pinox01 PCI capability Caps classPower Management Caps offset0x40 Caps version1.2 PCI capability Caps classPowerSignalled Interrupts Caps classPotox00 PCI capability Caps classPCI Express Caps offset0x70
PCI header Address 0 (memory)0x00000000DF100004 Subvendor ID0x144D (Samsung) Subsystem ID0x4801 Int. Line0x00 Int. Pin0x01 PCI capability Caps classPower Management Caps offset0x40 Caps version1.2 PCI capability Caps classPower Management Caps offset0x50 PCI capability Caps classPower Management Caps offset0x50 Caps offset0x50 PCI capability Caps classPower Management Caps offset0x70 Device typePCI-E Endpoint Device
PCI header Address 0 (memory)0x0000000DF100004 Subvendor ID0x144D (Samsung) Subsystem ID0x4801 Int. Line\tox00 Int. Pin0x01 PCI capability Caps classPower Management Caps offset0x40 Caps sersion1.2 PCI capability Caps classMessage Signalled Interrupts Caps diffset0x40 Caps diffset0x40 Caps classMessage Signalled Interrupts Caps diffset0x40 Caps classMessage Signalled Interrupts Caps diffset0x50 Caps diffset0x70 Device typePCI-E Endpoint Device Port0 Caps version2.0
PCI header Address 0 (memory)0x00000000DF100004 Subvendor ID0x144D (Samsung) Subsystem ID0x4801 Int. Line0x00 Int. Pin0x01 PCI capability Caps classPower Management Caps offset0x40 Caps version1.2 PCI capability Caps classPower Management Caps offset0x50 PCI capability Caps classPower Management Caps offset0x00 Caps version1.2 PCI capability Caps classPower Management Caps offset0x00 Caps version1.2 PCI capability Caps classPower Management Caps offset0x00 Caps offset0x00 Device typePCI-E Endpoint Device Port0
Address 0 (memory)0x00000000F100004 Subvendor ID0x144D (Samsung) Subsystem ID0xA801 Int. Line0x00 Int. Pin0x01 PCI capability Caps classPower Management Caps offset0x40 Caps version1.2 PCI capability Caps classMessage Signalled Interrupts Caps offset0x50 PCI capability Caps classMessage Signalled Interrupts Caps offset0x50 Device typePCI-E Endpoint Device Port0 Caps offset0x70 Device typePCI-E Endpoint Device Port0 Caps version.2 Link width4x (max 4x)
Address 0 (memory)ox000000000100004 Subvendor ID0x144D (Samsung) Subsystem ID0xA801 Int. Line0x00 Int. PinXxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Address 0 (memory)xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
ECI header Address 0 (memory)0x00000000100004 Subvendor ID0x144D (Samsung) Subusystem ID0xA8D1 Int. Line0x00 Int. Line0x00 Int. Pin0x01 PCI capability Caps classPower Management Caps offset0x40 Caps version1.2 PCI capability Caps classPower Management Caps offset0x00 PCI capability Caps classPower Management Caps offset0x00 PCI capability Caps classPower Management Caps offset0x00 Device typePCI-E Endpoint Device Port0 Caps offset0x00 Device typePCI-E Endpoint Device Port0 Caps wersion2.0 Link width4x (max 4x) Link speed8.0 GT/s (max 8.0 GT/s) PCI capability Link speed8.0 GT/s (max 8.0 GT/s) PCI capability Link speed8.0 GT/s (max 8.0 GT/s) PCI capability Link speed8.0 GT/s (max 8.0 GT/s)
inclineater Address 0 (memony)0x000000000F100004 Subvendor ID0x144D (Samsung) Subvystem ID0xA8D1 Int. Line0x00 Int. Line0x00 Int. PinOx01 PCI capability Caps classPower Management Caps ofset0x40 Caps wrsion1.2 PCI capability Caps classMessage Signalled Interrupts Caps classMessage Signalled Interrupts Caps offset0x50 PCI capability Caps offset0x50 Device typePCI-E Endpoint Device Port0 Caps wrsion2.0 Link width4x (max 4x) Link speed8.0 GT/s (max 8.0 GT/s) PCI capability Link speed8.0 GT/s (max 8.0 GT/s) PCI capability Caps classMSHX Caps offset0x80
ECI header Address 0 (memory)0x00000000100004 Subvendor ID0x144D (Samsung) Subusystem ID0xA8D1 Int. Line0x00 Int. Line0x00 Int. Pin0x01 PCI capability Caps classPower Management Caps offset0x40 Caps version1.2 PCI capability Caps classPower Management Caps offset0x00 PCI capability Caps classPower Management Caps offset0x00 PCI capability Caps classPower Management Caps offset0x00 Device typePCI-E Endpoint Device Port0 Caps offset0x00 Device typePCI-E Endpoint Device Port0 Caps wersion2.0 Link width4x (max 4x) Link speed8.0 GT/s (max 8.0 GT/s) PCI capability Link speed8.0 GT/s (max 8.0 GT/s) PCI capability Link speed8.0 GT/s (max 8.0 GT/s) PCI capability Link speed8.0 GT/s (max 8.0 GT/s)
inclineater Address 0 (memony)0x000000000F100004 Subvendor ID0x144D (Samsung) Subvystem ID0xA8D1 Int. Line0x00 Int. Line0x00 Int. PinOx01 PCI capability Caps classPower Management Caps ofset0x40 Caps wrsion1.2 PCI capability Caps classMessage Signalled Interrupts Caps classMessage Signalled Interrupts Caps offset0x50 PCI capability Caps offset0x50 Device typePCI-E Endpoint Device Port0 Caps wrsion2.0 Link width4x (max 4x) Link speed8.0 GT/s (max 8.0 GT/s) PCI capability Link speed8.0 GT/s (max 8.0 GT/s) PCI capability Caps classMSHX Caps offset0x80
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PCI header Address 0 (memory)0x000000000F100004 Subvendor ID0x144D (Samsung) Subvendor ID0x14D (Samsung) Subvendor ID0x144D (Samsu
Address 0 (memory/b00000000F100004
PCI header Address 0 (memory)Gn000000000F100004 Subvendor (Dot.44D (Samsung) Subvendor (Dot.44D (Samsung)) Subvendor (Do
PCI beader Address D (memory)DxxX4D (Samsung) Subsystem IDxxX4D (Samsung) Subsystem IDxxX4D (Samsung) Subsystem IDxxX4D (Samsung) Int. JenxXdD Int. JenxXdD Capa classFore Management Capa version1.2 PCI capability Capa classFore Management Capa version1.2 Capa version1.2 Capa classFore Management Capa version1.2 Capa version1.2 Capa version1.2 Capa version1.2 Capa version1.2 Capa version2.0 Luck withtax (max 4x) Link speedS. OGT/s (max 8.0 GT/s) PCI capability Capa classFore Capa class
RCI header Address 0 (memory)0x00000000P100004 Subvendor ID0x144D [Samsung) Subsystem ID0x801 Int. Emb0x01 PCI capability Caps classFower Management Caps offsetDx40 Caps version1.2 PCI capability Device typerCI-E Emborint Device PCI capability Universion2.0 Universion2.
PCI beader Address D (memory)DxxX4D (Samsung) Subsystem IDxxX4D (Samsung) Subsystem IDxxX4D (Samsung) Subsystem IDxxX4D (Samsung) Int. JenxXdD Int. JenxXdD Capa classFore Management Capa version1.2 PCI capability Capa classFore Management Capa version1.2 Capa version1.2 Capa classFore Management Capa version1.2 Capa version1.2 Capa version1.2 Capa version1.2 Capa version1.2 Capa version2.0 Luck withtax (max 4x) Link speedS. OGT/s (max 8.0 GT/s) PCI capability Capa classFore Capa class
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Ret header Address 0 (memony)0x00000000F100004 Subvendor 100x144D (Samsung) Subsystem 100x8001 Int. PinXx01 FC capability Caps classPower Management Caps offsetDx40 Caps retireDx40 Caps retireDx40 Caps retireDx40 Caps retireDx40 Caps retireDx40 Caps retireDx50 PC capability Caps classPower Management Caps offsetDx40 Caps retireDx50 Caps retireDx
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RC Inseder Address 0 (memory)0x0000000001000004 Subvendor ID0x1440 (Samsung) Caps classPower Management Caps classPower Management </td
RECHaeder Address 0 (memory)0x0000000F100004 Subvendor ID0:144D (Samsung) Caps classPower Management Caps office0x00 Caps classPower Management Caps office0x01 Caps wentor 1.2 RC capability Caps classPower Management Caps office0x02 Caps office0x03 Caps office0x04 Caps despondor Caps office0x04 Caps despondor Caps office0x05 Device type7CLE Endpoint Device Port0 Caps despondor Caps office0x04 Caps classPower Management Caps office0x04 Caps classPower Management Caps office0x05 PCI expending Caps classPower Management Caps office0x06 RC expending Caps classPower Management Caps office0x06 RC extended capability Caps classPower Management Caps office0x06 Cap classPower Management Caps off
RC hasder Address 0 (memory)0x000000001200004 Subvendor ID0.148D [Samsung) RC capability Cap. classPower Management Cap. classPower Management Cap. classAessage Signalied Interrupts Cap. classAessage Signalied Interrupt Cap. classAessage Signalied Interval Cap. classAessage Signalied <td< td=""></td<>
Address 0 (memory/0x0000000F100004 Subvendor ID0:144D [Sansung] Caps classPower Management Caps ofset0a00 Caps classPower Management Caps ofset0a00 Caps ofset0a00 PC capability Caps classPower Management Caps ofset0a00 Caps classPower Management Caps ofset0a00 PC capability Caps classPower Management Caps ofset0a00 PCI extended capability Caps classPower Management Caps ofset0a148 Senial (EUL-6)DO PCI extended capability Caps ofset0a188
Address 0 Address 0 File Internory (0.000000000100000000000000000000000000
Address 0 Common
Address 0
Refress (Common your Common Co
Address 0
Pich basier Address 2 (memory)Aut0000000F10004 Subsender (Do.440 [Sanssang) Subsystem (Do.440 [Sanssang) Int. Linch00 Int. Linch000 Int.
Address 0
National Common (Procession Common Co
Reference (Company (C
Reference Data-HAU (Sensung) Subvender Management Cape distribution Cape stand-Data-HAU (Sensung) Subvender Management Cape distribution Cape

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00 01 02 03 04 05 06 07 08 09 0A 0B 0C
0D 0E 0F
004D 14 04 A8 06 04 10 00 00 02 08 01
10 00 00 00
1004 00 10 DF 00 00 00 00 00 00 00 00
00 00 00 00
2000 00 00 00 00 00 00 00 00 00 00 00
4D 14 01 A8
3000 00 00 00 40 00 00 00 00 00 00 00
00 01 00 00
4001 50 03 00 08 00 00 00 00 00 00 00
00 00 00 00
5005 70 8A 00 00 00 00 00 00 00 00 00
00 00 00 00
6000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
7010 B0 02 00 C1 8F E8 17 30 28 10 00
43 78 47 00
8040 01 43 10 00 00 00 00 00 00 00 00
00 00 00 00
9000 00 00 00 1F 08 00 00 00 04 00 00
0E 00 00 00
A003 00 1E 00 00 00 00 00 00 00 00 00
00 00 00 00
B011 00 07 80 00 30 00 00 00 20 00 00
00 00 00 00
C000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
D003 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
E000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
F000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
10001 00 82 14 00 00 00 00 00 00 40 00
30 20 46 00
11000 00 00 00 00 60 00 00 A0 00 00 00
00 00 00 00
12000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
13000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
14000 00 00 00 00 00 00 00 03 00 81 15
00 00 00 00
15000 00 00 00 00 00 00 04 00 81 16
00 00 00 00
16000 00 00 00 01 00 00 00 19 00 81 18
00 00 00 00
17000 00 00 00 00 75 00 75 00 75 00 75
00 00 00 00
18000 00 00 00 00 00 00 18 00 01 19
03 10 03 10
1901E 00 01 00 1F 0A 28 00 00 00 00 00
BO 00 00 00
1A000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
18000 00 00 00 00 00 00 00 00 00 00
00 00 00 00
10000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
1D000 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00
1E000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
1F000 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
DMI
SMBIOS Version2.8
DMI BIOS
vendorAmerican Megatrends Inc.
version1.B0
date06/09/2020
ROM size16384 KB
DMI System Information
manufacturerMicro-Star International
Co. Ltd.
productMS-7B46
version1.0
serialDefault string
UUID{0000000-0000-0000-0000-
309C238074B8}
SKUDefault string
familyDefault string
DMI Baseboard
vendorMicro-Star International Co.
Ltd.
modelZ370 KRAIT GAMING (MS-
7B46)
revision1.0
serialHC16091811
DMI System Enclosure
manufacturerMicro-Star International
Co. Ltd.
chassis typeDesktop
chassis serialDefault string
DMI Port Connector
designationJ1A1 (internal)
designationPS2Mouse (external)
port typeMouse Port
connectorPS/2
DMI Port Connector
```

designationJ1A1 (internal)

designationKeyboard (external) port typeKeyboard Port connectorPS/2 **DMI Port Connector** designationJ2A1 (internal) designationTV Out (external) connectorMini Centronics Type-14 **DMI Port Connector** designationJ2A2A (internal) designationCOM A (external) port typeSerial Port 16550A connectorDB-9 male DMI Port Connector designationJ2A2B (internal) designationVideo (external) port typeVideo Port connectorDB-15 female **DMI Port Connector** designationJ3A1 (internal) designationUSB1 (external) port typeUSB connectorAccess Bus (USB) DMI Port Connector designationJ9A1 - TPM HDR (internal) DMI Port Connector designationJ9C1 - PCIE DOCKING CONN (internal) DMI Port Connector designationJ2B3 - CPU FAN (internal) **DMI Port Connector** designationJ6C2 - EXT HDMI (internal) **DMI Port Connector** designationJ3C1 - GMCH FAN (internal) DMI Port Connector designationJ1D1 - ITP (internal) DMI Port Connector designationJ9E2 - MDC INTPSR (internal) DMI Port Connector designationJ9E4 - MDC INTPSR (internal) **DMI Port Connector** designationJ9E3 - LPC HOT DOCKING (internal) DMI Port Connector designationJ9E1 - SCAN MATRIX (internal) DMI Port Connector designationJ9G1 - LPC SIDE BAND (internal) DMI Port Connector designationJ8F1 - UNIFIED (internal) DMI Port Connector designationJ6F1 - LVDS (internal) DMI Port Connector designationJ2F1 - LAI FAN (internal) DMI Port Connector designationJ2G1 - GFX VID (internal) **DMI Port Connector** designationJ1G6 - AC JACK (internal) **DMI Extension Slot** designationJ6B2 typePCI Express populatedyes DMI Extension Slot designationJ6B1 typePCI Express populatedyes DMI Extension Slot designationJ6D1 typePCI Express populatedyes **DMI Extension Slot** designationJ7B1 typePCI Express populatedyes DMI Extension Slot designationJ8B4 typePCI Express populatedyes DMI Extension Slot designationJ8D1 typePCI Express populatedyes DMI Extension Slot designationJ8B3 typePCI

width32 bits populatedyes DMI OEM Strings string[0]Default string DMI Physical Memory Array locationMotherboard usageSystem Memory correctionNone max capacity64 GB max# of devices4 DMI Memory Device designationChannelA-DIMM0 formatDIMM typeDDR4 total width64 bits data width64 bits size8 GB speed3200 MHz manufacturer029E part numberCMK16GX4M2B3000C15 serial number00000000 voltage1.350000 DMI data 0000x11 0x28 0x3A 0x00 0x39 0x00 0xFE 0xFF 0x40 0x00 0100x40 0x00 0x00 0x20 0x09 0x00 0x01 0x02 0x1A 0x80 0200x40 0x80 0x0C 0x03 0x04 0x05 0x06 0x01 0x00 0x00 0300x00 0x00 0x80 0x0C 0x00 0x00 0x00 0x00 0x46 0x05 0400x43 0x68 0x61 0x6E 0x6E 0x65 0x6C 0x41 0x2D 0x44 0500x49 0x4D 0x4D 0x30 0x00 0x42 0x41 0x4E 0x4B 0x20 0600x30 0x00 0x30 0x32 DMI Memory Device designationChannelA-DIMM1 formatDIMM typeDDR4 total width64 bits data width64 bits size8 GB speed3200 MHz manufacturer029E part numberCMK16GX4M2B3000C15 serial number00000000 voltage1.350000 DMI data 0000x11 0x28 0x3B 0x00 0x39 0x00 0xFE 0xFF 0x40 0x00 0100x40 0x00 0x00 0x20 0x09 0x00 0x01 0x02 0x1A 0x80 0200x40 0x80 0x0C 0x03 0x04 0x05 0x06 0x01 0x00 0x00 0300x00 0x00 0x80 0x0C 0x00 0x00 0x00 0x00 0x46 0x05 0400x43 0x68 0x61 0x6E 0x6E 0x65 0x6C 0x41 0x2D 0x44 0500x49 0x4D 0x4D 0x31 0x00 0x42 0x41 0x4E 0x4B 0x20 0600x31 0x00 0x30 0x32 **DMI Memory Device** designationChannelB-DIMM0 formatDIMM typeDDR4 total width64 bits data width64 bits size8 GB speed3200 MHz manufacturer029E part numberCMK16GX4M2B3000C15 serial number00000000 voltage1.350000 DMI data 0000x11 0x28 0x3C 0x00 0x39 0x00 0xFF 0xFF 0x40 0x00 0100x40 0x00 0x00 0x20 0x09 0x00 0x01 0x02 0x1A 0x80 0200x40 0x80 0x0C 0x03 0x04 0x05 0x06 0x01 0x00 0x00 0300x00 0x00 0x80 0x0C 0x00 0x00 0x00 0x00 0x46 0x05 0400x43 0x68 0x61 0x6E 0x6E 0x65 0x6C 0x42 0x2D 0x44 0500x49 0x4D 0x4D 0x30 0x00 0x42 0x41 0x4E 0x4B 0x20 0600x32 0x00 0x30 0x32 DMI Memory Device designationChannelB-DIMM1 formatDIMM typeDDR4 total width64 bits data width64 bits size8 GB speed3200 MHz manufacturer029E

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part numberCMK16GX4M2B3000C15
serial number00000000
voltage1.350000
DMI data
0000x11 0x28 0x3D 0x00 0x39 0x00
0xFE 0xFF 0x40 0x00
0100x40 0x00 0x00 0x20 0x09 0x00
0x01 0x02 0x1A 0x80
0200x40 0x80 0x0C 0x03 0x04 0x05
0x06 0x01 0x00 0x00
0300x00 0x00 0x80 0x0C 0x00 0x00
0x00 0x00 0x46 0x05
0400x43 0x68 0x61 0x6E 0x6E 0x65
0x6C 0x42 0x2D 0x44
0500x49 0x4D 0x4D 0x31 0x00 0x42
0x41 0x4E 0x4B 0x20
0600x33 0x00 0x30 0x32
DMI Processor
manufacturerIntel(R) Corporation
modelIntel(R) Core(TM) i5-9600K
CPU @ 3.70GHz
clock speed3700.0 MHz
FSB speed100.0 MHz
multiplier37.0x
max clock speed8300.0 MHz
DMI data
0000x04 0x30 0x43 0x00 0x01 0x03
0xCD 0x02 0xED 0x06
0100x09 0x00 0xFF 0xFB 0xEB 0xBF
0x03 0x8A 0x64 0x00
0200x6C 0x20 0x74 0x0E 0x41 0x32
0x40 0x00 0x41 0x00
0300x42 0x00 0x04 0x05 0x06 0x06
DMI Extension Slot
designationPCI-Express
typePCI Express
populatedyes
DMI Extension Slot
designationPCI-Express 6
typePCI Express
populatedyes
DMI Extension Slot
designationPCI-Express 7
typePCI Express
populatedno
DMI Extension Slot
designationPCI-Express 8
typePCI Express
populatedyes
Storage
Drive0/0/-1/-1
Device
Path\\?\scsi#disk&ven_&prod_ct480bx
500ssd1#4&88d9d98&0&00000#{53f563
07-b6bf-11d0-94f2-00a0c91efb8b}
NameCT480BX500SSD1
RevisionM6CR041
Serial2110E582B803
Capacity447.1 GB
TypeFixed
                                       SSD
Bus TypeSATA (11)
FeaturesSMART
                                       TRIM
ControllerSerial ATA Controller - AHCI
at bus 0
                                       device 23
                                                                           function 0
                                       447.1 GBytes (17.4 percent available)
Volumed:\
Drive1/1/-1/-1
Path\\?\scsi#disk&ven_nvme&prod_sa
msung_ssd_960#5&2b9413c&0&00000#
{53f56307-b6bf-11d0-94f2-00a0c91efb8b}
NameSamsung SSD 960 EVO 250GB
SerialS3ESNX1K100478Z
Capacity232.9 GB
TypeFixed
                                       SSD
Bus TypeNVMe (17)
ControllerNVM Express (NVMe)
Controller at bus 5
                                       device 0
                                                                           function 0
Link SpeedPCI-E 4x @ 8.0 GT/s
                                       232.2 GBytes (38.8 percent available)
Volumec:\
USB Devices
USB DeviceDispositivo USB composito
                                       class=0x00
                                                                           subclass=0x00
                                                                                                                              vendor=0x1038
                                                                                                                                                             product=0x12AA
USB DeviceDispositivo USB composito
                                       class=0x00
                                                                           subclass=0x00
                                                                                                                               vendor=0x2516
                                                                                                                                                             product=0x0157
                                                                           subclass=0x02
USB DeviceDispositivo USB composito
                                       class=0xEF
                                                                                                                              vendor=0x045E
                                                                                                                                                             product=0x074A
USB DeviceGeneric Bluetooth Adapter
                                                                                                                              vendor=0x0A5C
                                       class=0xE0
                                                                           subclass=0x01
                                                                                                                                                             product=0x2101
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USB DeviceHub USB generico				and the Or E 444
	class=0x09	subclass=0x00	vendor=0x0BDA	product=0x5411
USB DeviceDispositivo di input USB	class=0x00	subclass=0x00	vendor=0x0B05	product=0x186E
USB DeviceDispositivo USB composito	class=0x00	subclass=0x00	vendor=0x046D	product=0xC083
USB DeviceDispositivo di archiviazione di massa USB	class=0x00	subclass=0x00	vendor=0x1058	product=0x0827
Graphics				F
Number of adapters2				
Graphic APIs				
	-			
APID3D				
APINVIDIA I/O APINVIDIA NVML				
APINVIDIA NVML				
pwrMask0x000C0B1F				
pwrTable[DF E2 E9 FF FA 00 00 00 E8				
F5 00 F6 00 00 00 00 00 01 01 00 00 00				
00 00 00 00 00 00 00 00 00] APIIntel I/O				
APIIntel oneAPI				
Display Adapters				
	•			
Display adapter 0				
ID0x4000000				
NameIntel(R) UHD Graphics 630				
Board ManufacturerMicro-Star International Co.	Ltd. (MSI)			
micernational Co.	ECG. (IVISI)			
CodenameCoffee Lake GT2				
Execution Units24 Technology14 nm				
PCI devicebus 0 (0x0)	device 2 (0x2)	function 0 (0x0)		
Vendor ID0x8086 (0x1462) Model ID0x3E98 (0x7B46)				
Revision ID0x2				
Driver version31.0.101.2121 WDDM Model3.1				
Display adapter 1 (primary)				
ID0x10A0116				
NameNVIDIA GeForce GTX 1660 Ti				
Board ManufacturerMicro-Star				
	14-4 (8461)			
International Co.	Ltd. (MSI)			
International Co. RevisionA1	Ltd. (MSI)			
International Co. RevisionA1 CodenameTU116-400	Ltd. (MSI)			
International Co. RevisionA1 CodenameTU116-400	Ltd. (MSI)			
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current)	130.0 W (default)	140.0 W (max)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max)		140.0 W (max) 95.0 °C (shutdown)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48	130.0 W (default)			
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96	130.0 W (default)			
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm	130.0 W (default)			
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron)	130.0 W (default)			
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB	130.0 W (default)			
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16	130.0 W (default)			
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s	130.0 W (default) 92.0 °C (slowdown)	95.0 °C (shutdown)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462)	130.0 W (default)			
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A)	130.0 W (default) 92.0 °C (slowdown)	95.0 °C (shutdown)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1	130.0 W (default) 92.0 °C (slowdown)	95.0 °C (shutdown)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1875.0 MHz	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1875.0 MHz Memory clock6001.0 MHz Performance LevelCurrent	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1875.0 MHz Memory clock6001.0 MHz Performance LevelCurrent Core clock1320.0 MHz	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1875.0 MHz Memory clock6001.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock6121.0 MHz	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1875.0 MHz Memory clock6001.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock6121.0 MHz Driver version31.0.15.3699	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1320.0 MHz Memory clock60121.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock6121.0 MHz Driver version31.0.15.3699 WDDM Model3.1	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock601.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock6121.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock6121.0 MHz Driver version31.0.15.3699 WDDM Model3.1	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1875.0 MHz Memory clock6001.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock6121.0 MHz Driver version31.0.15.3699 WDDM Model3.1 Win32_VideoControllerAdapterRAM = 0x40000000 (1073741824)	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock601.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock6121.0 MHz Driver version31.0.15.3699 WDDM Model3.1 Win32_VideoControllerAdapterRAM = 0x40000000 (1073741824) Win32_VideoControllerAdapterRAM =	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1320.0 MHz Memory clock601.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock601.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock6121.0 MHz Driver version31.0.15.3699 WDDM Model3.1 Win32_VideoControllerAdapterRAM = 0x40000000 (4293918720) Win32_VideoControllerDriverVersion =	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1320.0 MHz Memory clock6001.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock6011.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock6011.0 MHz Driver version31.0.15.3699 WDDM Model3.1 Win32_VideoControllerAdapterRAM = 0x40000000 (4293918720) Win32_VideoControllerDriverVersion = 31.0.101.2121	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1320.0 MHz Memory clock6011.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock6011.0 MHz Driver version31.0.15.3699 WDDM Model3.1 Win32_VideoControllerAdapterRAM = 0x4000000 (4293918720) Win32_VideoControllerDriverVersion = 31.0.101.2121 Win32_VideoControllerDriverVersion = 31.0.15.3699	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1320.0 MHz Memory clock6001.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock6121.0 MHz Driver version31.0.15.3699 WDDM Model3.1 Win32_VideoControllerAdapterRAM = 0x40000000 (4293918720) Win32_VideoControllerDriverVersion = 31.0.15.3699	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1320.0 MHz Memory clock6011.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock6011.0 MHz Driver version31.0.15.3699 WDDM Model3.1 Win32_VideoControllerAdapterRAM = 0x4000000 (4293918720) Win32_VideoControllerDriverVersion = 31.0.101.2121 Win32_VideoControllerDriverVersion = 31.0.15.3699	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1320.0 MHz Memory clock601.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock6121.0 MHz Driver version31.0.15.3699 WDDM Model3.1 Win32_VideoControllerAdapterRAM = 0x4000000 (4293918720) Win32_VideoControllerDriverVersion = 31.0.101.2121 Win32_VideoControllerDriverVersion = 31.0.15.3699 Win32_VideoControllerDriverVersion = 31.0.15.3699 Win32_VideoControllerDriverVersion = 31.0.10.12121 Win32_VideoControllerDriverVersion = 31.0.15.3699 Win32_VideoControllerDriverDate = 03/03/2023 Win32_VideoControllerDriverDate = 03/03/2023 Win32_VideoControllerDriverDate = 08/04/2023	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1320.0 MHz Memory clock6001.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock6121.0 MHz Driver version31.0.15.3699 WDDM Model3.1 Win32_VideoControllerAdapterRAM = 0x4000000 (4293918720) Win32_VideoControllerDriverVersion = 31.0.101.2121 Win32_VideoControllerDriverVersion = 31.0.15.3699 Win32_VideoControllerDriverVersion = 31.0.10.12121 Win32_VideoControllerDriverVersion = 31.0.15.3699 Win32_VideoControllerDriverVersion = 31.0.10.12121 Win32_VideoControllerDriverVersion = 31.0.15.3699 Win32_VideoControllerDriverVersion = 31.0.15.3699 Win32_VideoControllerDriverVersion = 31.0.15.3699 Win32_VideoControllerDriverDate = 03/03/2023 Win32_VideoControllerDriverDate = 03/03/2023 Monitor 0	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1875.0 MHz Memory clock6001.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock621.0 MHz Driver version31.0.15.3699 WDDM Model3.1 Win32_VideoControllerAdapterRAM = 0x4000000 (4293918720) Win32_VideoControllerDriverVersion = 31.0.101.2121 Win32_VideoControllerDriverVersion = 31.0.15.3699 Win32_VideoControllerDriverVersion = 31.0.10.12121 Win32_VideoControllerDriverVersion = 31.0.15.3699 Win32_VideoControllerDriverDate = 03/03/2023 Win32_VideoControllerDriverDate = 03/03/2023 Win32_VideoControllerDriverDate = 03/03/2023 Win32_VideoControllerDriverDate = 03/03/2023	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10PE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1320.0 MHz Memory clock6001.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock6011.0 MHz Driver version31.0.15.3699 WDDM Model3.1 Win32_VideoControllerAdapterRAM = 0x40000000 (4293918720) Win32_VideoControllerDriverVersion = 31.0.15.3699 Win32_VideoControllerDriverDate = 03/03/2023 Win32_VideoControllerDriverDate = 03/03/2023 Win32_VideoControllerDriverDate = 03/03/2023 Win32_VideoControllerDriverDate = 03/03/2023	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock150.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1875.0 MHz Memory clock6001.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock6121.0 MHz Driver version31.0.15.3699 WDDM Model3.1 Win32_VideoControllerAdapterRAM = 0x40000000 (1073741824) Win32_VideoControllerDriverVersion = 31.0.15.3699 Win32_VideoControllerDriverVersion = 31.0.15.3690	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1875.0 MHz Memory clock6001.0 MHz Performance LevelCurrent Core clock1320.0 MHz Memory clock6121.0 MHz Driver version31.0.15.3699 WDDM Model3.1 Win32_VideoControllerAdapterRAM = 0x40000000 (4293918720) Win32_VideoControllerDriverVersion = 31.0.101.2121 Win32_VideoControllerDriverVersion = 31.0.101.2121 Win32_VideoControllerDriverVersion = 31.0.101.2121 Win32_VideoControllerDriverVersion = 31.0.10.203 Win32_VideoControllerDriverDate = 03/03/2023 Win32_VideoControllerDriverDate = 03/03/2023 Win32_VideoControllerDriverDate = 03/03/2023 Win32_VideoControllerDriverDate = 08/04/2023 Monitor 0 ModelXG248Q () IDAUS2483	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		
International Co. RevisionA1 CodenameTU116-400 Core family0x168 (TU116-A) Power Limit130.0 W (current) Thermal Limit90.0 °C (max) Cores1536 ROP Units48 TM Units96 Technology12 nm Memory typeGDDR6 (Micron) Memory size6 GB Memory bus width192 bits Current Link Widthx16 Current Link Speed8.0 GT/s PCI devicebus 1 (0x1) Vendor ID0x10DE (0x1462) Model ID0x2182 (0x375A) Revision ID0xA1 Root devicebus 0 (0x0) Performance LevelBase Core clock1500.0 MHz Memory clock6001.0 MHz Performance LevelBoost Core clock1875.0 MHz Memory clock6001.0 MHz Performance LevelCurrent Core clock1320.0 MHz Driver version31.0.15.3699 WDDM Model3.1 Win32_VideoControllerAdapterRAM = 0x40000000 (1073741824) Win32_VideoControllerDriverVersion = 31.0.101.2121 Win32_VideoControllerDriverVersion = 31.0.15.3690	130.0 W (default) 92.0 °C (slowdown) device 0 (0x0)	95.0 °C (shutdown) function 0 (0x0)		

Horizontal Freq. Range255-255 kHz	
monitoritati requirangezoo zoo kinz	
Vertical Freq. Range48-240 Hz	
Max Pixel Clock590 MHz	
Gamma Factor2.2	
Monitor 1	
ModelHP 24o ()	
IDHPN337C	
SerialCNK7241K5V	
Manufacturing DateWeek 24	Year 2017
Size24.0 inches	
Max Resolution1920 x 1080 @ 60 Hz	
Horizontal Freq. Range24-80 kHz	
Vertical Freq. Range50-76 Hz	
Max Pixel Clock170 MHz	
Gamma Factor2.2	
Software	
Windows VersionMicrosoft Windows	
11 (10.0) Professional 64-bit (Build	
22621)	
DirectX Version12.0	
Register Spaces	
Register spacePCI	
Register spacePCI #2	
-	