

00:00.0 Host bridge [0600]: Intel Corporation Xeon E5/Core i7 DMI2 [8086:3c00] (rev 07)

Subsystem: Intel Corporation Xeon E5/Core i7 DMI2 [8086:3c00]

Flags: fast devsel

Capabilities: [90] Express Root Port (Slot-), MSI 00

Capabilities: [e0] Power Management version 3

Capabilities: [100] Vendor Specific Information: ID=0002 Rev=0 Len=00c <?>

Capabilities: [144] Vendor Specific Information: ID=0004 Rev=1 Len=03c <?>

Capabilities: [1d0] Vendor Specific Information: ID=0003 Rev=1 Len=00a <?>

Capabilities: [280] Vendor Specific Information: ID=0004 Rev=2 Len=018 <?>

00:01.0 PCI bridge [0604]: Intel Corporation Xeon E5/Core i7 II0 PCI Express Root Port 1a [8086:3c02] (rev 07) (prog-if 00 [Normal decode])

Flags: bus master, fast devsel, latency 0, IRQ 25

Bus: primary=00, secondary=01, subordinate=01, sec-latency=0

Capabilities: [40] Subsystem: Intel Corporation Xeon E5/Core i7 II0 PCI

Express Root Port 1a [8086:3c02]

Capabilities: [60] MSI: Enable+ Count=1/2 Maskable+ 64bit-

Capabilities: [90] Express Root Port (Slot+), MSI 00

Capabilities: [e0] Power Management version 3

Capabilities: [100] Vendor Specific Information: ID=0002 Rev=0 Len=00c <?>

Capabilities: [110] Access Control Services

Capabilities: [148] Advanced Error Reporting

Capabilities: [1d0] Vendor Specific Information: ID=0003 Rev=1 Len=00a <?>

Capabilities: [250] #19

Capabilities: [280] Vendor Specific Information: ID=0004 Rev=2 Len=018 <?>

Kernel driver in use: pcieport

00:01.1 PCI bridge [0604]: Intel Corporation Xeon E5/Core i7 II0 PCI Express Root Port 1b [8086:3c03] (rev 07) (prog-if 00 [Normal decode])

Flags: bus master, fast devsel, latency 0, IRQ 26

Bus: primary=00, secondary=02, subordinate=02, sec-latency=0

Capabilities: [40] Subsystem: Intel Corporation Xeon E5/Core i7 II0 PCI

Express Root Port 1b [8086:3c03]

Capabilities: [60] MSI: Enable+ Count=1/2 Maskable+ 64bit-

Capabilities: [90] Express Root Port (Slot+), MSI 00

Capabilities: [e0] Power Management version 3

Capabilities: [100] Vendor Specific Information: ID=0002 Rev=0 Len=00c <?>

Capabilities: [110] Access Control Services

Capabilities: [148] Advanced Error Reporting

Capabilities: [1d0] Vendor Specific Information: ID=0003 Rev=1 Len=00a <?>

Capabilities: [250] #19

Capabilities: [280] Vendor Specific Information: ID=0004 Rev=2 Len=018 <?>

Kernel driver in use: pcieport

00:02.0 PCI bridge [0604]: Intel Corporation Xeon E5/Core i7 II0 PCI Express Root Port 2a [8086:3c04] (rev 07) (prog-if 00 [Normal decode])

Flags: bus master, fast devsel, latency 0, IRQ 28

Bus: primary=00, secondary=03, subordinate=03, sec-latency=0

I/O behind bridge: 00006000-00006fff

Memory behind bridge: bbe00000-bbefffff

Prefetchable memory behind bridge: 00000000a0000000-00000000afffffff

Capabilities: [40] Subsystem: Intel Corporation Xeon E5/Core i7 II0 PCI

Express Root Port 2a [8086:3c04]

Capabilities: [60] MSI: Enable+ Count=1/2 Maskable+ 64bit-

Capabilities: [90] Express Root Port (Slot+), MSI 00

Capabilities: [e0] Power Management version 3

Capabilities: [100] Vendor Specific Information: ID=0002 Rev=0 Len=00c <?>

Capabilities: [110] Access Control Services
Capabilities: [148] Advanced Error Reporting
Capabilities: [1d0] Vendor Specific Information: ID=0003 Rev=1 Len=00a <?>
Capabilities: [250] #19
Capabilities: [280] Vendor Specific Information: ID=0004 Rev=2 Len=018 <?>
Kernel driver in use: pcieport

00:03.0 PCI bridge [0604]: Intel Corporation Xeon E5/Core i7 IIO PCI Express Root Port 3a in PCI Express Mode [8086:3c08] (rev 07) (prog-if 00 [Normal decode])
Flags: bus master, fast devsel, latency 0, IRQ 30
Bus: primary=00, secondary=04, subordinate=04, sec-latency=0
Capabilities: [40] Subsystem: Intel Corporation Xeon E5/Core i7 IIO PCI Express Root Port 3a in PCI Express Mode [8086:3c08]
Capabilities: [60] MSI: Enable+ Count=1/2 Maskable+ 64bit-
Capabilities: [90] Express Root Port (Slot+), MSI 00
Capabilities: [e0] Power Management version 3
Capabilities: [100] Vendor Specific Information: ID=0002 Rev=0 Len=00c <?>
Capabilities: [110] Access Control Services
Capabilities: [148] Advanced Error Reporting
Capabilities: [1d0] Vendor Specific Information: ID=0003 Rev=1 Len=00a <?>
Capabilities: [250] #19
Capabilities: [280] Vendor Specific Information: ID=0004 Rev=2 Len=018 <?>
Kernel driver in use: pcieport

00:04.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 DMA Channel 0 [8086:3c20] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 DMA Channel 0 [8086:3c20]
Flags: bus master, fast devsel, latency 0, IRQ 40
Memory at bbf20000 (64-bit, non-prefetchable) [size=16K]
Capabilities: [80] MSI-X: Enable+ Count=1 Masked-
Capabilities: [90] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [e0] Power Management version 3
Kernel driver in use: ioatdma
Kernel modules: ioatdma

00:04.1 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 DMA Channel 1 [8086:3c21] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 DMA Channel 1 [8086:3c21]
Flags: bus master, fast devsel, latency 0, IRQ 42
Memory at bbf1c000 (64-bit, non-prefetchable) [size=16K]
Capabilities: [80] MSI-X: Enable+ Count=1 Masked-
Capabilities: [90] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [e0] Power Management version 3
Kernel driver in use: ioatdma
Kernel modules: ioatdma

00:04.2 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 DMA Channel 2 [8086:3c22] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 DMA Channel 2 [8086:3c22]
Flags: bus master, fast devsel, latency 0, IRQ 40
Memory at bbf18000 (64-bit, non-prefetchable) [size=16K]
Capabilities: [80] MSI-X: Enable+ Count=1 Masked-
Capabilities: [90] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [e0] Power Management version 3
Kernel driver in use: ioatdma
Kernel modules: ioatdma

00:04.3 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 DMA Channel 3

[8086:3c23] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 DMA Channel 3 [8086:3c23]
Flags: bus master, fast devsel, latency 0, IRQ 42
Memory at bbf14000 (64-bit, non-prefetchable) [size=16K]
Capabilities: [80] MSI-X: Enable+ Count=1 Masked-
Capabilities: [90] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [e0] Power Management version 3
Kernel driver in use: ioatdma
Kernel modules: ioatdma

00:04.4 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 DMA Channel 4
[8086:3c24] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 DMA Channel 4 [8086:3c24]
Flags: bus master, fast devsel, latency 0, IRQ 40
Memory at bbf10000 (64-bit, non-prefetchable) [size=16K]
Capabilities: [80] MSI-X: Enable+ Count=1 Masked-
Capabilities: [90] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [e0] Power Management version 3
Kernel driver in use: ioatdma
Kernel modules: ioatdma

00:04.5 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 DMA Channel 5
[8086:3c25] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 DMA Channel 5 [8086:3c25]
Flags: bus master, fast devsel, latency 0, IRQ 42
Memory at bbf0c000 (64-bit, non-prefetchable) [size=16K]
Capabilities: [80] MSI-X: Enable+ Count=1 Masked-
Capabilities: [90] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [e0] Power Management version 3
Kernel driver in use: ioatdma
Kernel modules: ioatdma

00:04.6 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 DMA Channel 6
[8086:3c26] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 DMA Channel 6 [8086:3c26]
Flags: bus master, fast devsel, latency 0, IRQ 40
Memory at bbf08000 (64-bit, non-prefetchable) [size=16K]
Capabilities: [80] MSI-X: Enable+ Count=1 Masked-
Capabilities: [90] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [e0] Power Management version 3
Kernel driver in use: ioatdma
Kernel modules: ioatdma

00:04.7 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 DMA Channel 7
[8086:3c27] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 DMA Channel 7 [8086:3c27]
Flags: bus master, fast devsel, latency 0, IRQ 42
Memory at bbf04000 (64-bit, non-prefetchable) [size=16K]
Capabilities: [80] MSI-X: Enable+ Count=1 Masked-
Capabilities: [90] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [e0] Power Management version 3
Kernel driver in use: ioatdma
Kernel modules: ioatdma

00:05.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Address Map,
VTd_Misc, System Management [8086:3c28] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Address Map, VTd_Misc, System
Management [8086:3c28]

Flags: fast devsel

Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

00:05.2 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Control Status and Global Errors [8086:3c2a] (rev 07)

Subsystem: Intel Corporation Xeon E5/Core i7 Control Status and Global Errors [8086:3c2a]

Flags: fast devsel

Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

00:05.4 PIC [0800]: Intel Corporation Xeon E5/Core i7 I/O APIC [8086:3c2c] (rev 07) (prog-if 20 [IO(X)-APIC])

Subsystem: Intel Corporation Xeon E5/Core i7 I/O APIC [8086:3c2c]

Flags: bus master, fast devsel, latency 0

Memory at bbf29000 (32-bit, non-prefetchable) [size=4K]

Capabilities: [6c] Power Management version 3

00:11.0 PCI bridge [0604]: Intel Corporation C600/X79 series chipset PCI Express Virtual Root Port [8086:1d3e] (rev 06) (prog-if 00 [Normal decode])

Flags: bus master, fast devsel, latency 0, IRQ 31

Bus: primary=00, secondary=05, subordinate=05, sec-latency=0

Capabilities: [40] Express Root Port (Slot-), MSI 00

Capabilities: [80] Power Management version 3

Capabilities: [88] Subsystem: Intel Corporation C600/X79 series chipset PCI Express Virtual Root Port [8086:1d3e]

Capabilities: [90] MSI: Enable+ Count=1/1 Maskable- 64bit-

Capabilities: [100] Advanced Error Reporting

Capabilities: [138] Access Control Services

Kernel driver in use: pcieport

00:1a.0 USB controller [0c03]: Intel Corporation C600/X79 series chipset USB2 Enhanced Host Controller #2 [8086:1d2d] (rev 06) (prog-if 20 [EHCI])

Subsystem: Intel Corporation C600/X79 series chipset USB2 Enhanced Host Controller [8086:1d2d]

Flags: bus master, medium devsel, latency 0, IRQ 16

Memory at bbf27000 (32-bit, non-prefetchable) [size=1K]

Capabilities: [50] Power Management version 2

Capabilities: [58] Debug port: BAR=1 offset=00a0

Capabilities: [98] PCI Advanced Features

Kernel driver in use: ehci-pci

00:1b.0 Audio device [0403]: Intel Corporation C600/X79 series chipset High Definition Audio Controller [8086:1d20] (rev 06)

Subsystem: Intel Corporation C600/X79 series chipset High Definition Audio Controller [8086:1d20]

Flags: bus master, fast devsel, latency 0, IRQ 76

Memory at bbf00000 (64-bit, non-prefetchable) [size=16K]

Capabilities: [50] Power Management version 2

Capabilities: [60] MSI: Enable+ Count=1/1 Maskable- 64bit+

Capabilities: [70] Express Root Complex Integrated Endpoint, MSI 00

Capabilities: [100] Virtual Channel

Capabilities: [130] Root Complex Link

Kernel driver in use: snd_hda_intel

Kernel modules: snd_hda_intel

00:1c.0 PCI bridge [0604]: Intel Corporation C600/X79 series chipset PCI Express Root Port 1 [8086:1d10] (rev b6) (prog-if 00 [Normal decode])

Flags: bus master, fast devsel, latency 0, IRQ 32

```

Bus: primary=00, secondary=06, subordinate=06, sec-latency=0
I/O behind bridge: 00005000-00005fff
Memory behind bridge: bbd00000-bbdfffff
Capabilities: [40] Express Root Port (Slot+), MSI 00
Capabilities: [80] MSI: Enable+ Count=1/1 Maskable- 64bit-
Capabilities: [90] Subsystem: Intel Corporation C600/X79 series chipset PCI
Express Root Port 1 [8086:1d10]
Capabilities: [a0] Power Management version 2
Kernel driver in use: pcieport

00:1c.1 PCI bridge [0604]: Intel Corporation C600/X79 series chipset PCI Express
Root Port 2 [8086:1d12] (rev b6) (prog-if 00 [Normal decode])
Flags: bus master, fast devsel, latency 0, IRQ 33
Bus: primary=00, secondary=07, subordinate=07, sec-latency=0
Memory behind bridge: bbc00000-bbcfffff
Capabilities: [40] Express Root Port (Slot+), MSI 00
Capabilities: [80] MSI: Enable+ Count=1/1 Maskable- 64bit-
Capabilities: [90] Subsystem: Intel Corporation C600/X79 series chipset PCI
Express Root Port 2 [8086:1d12]
Capabilities: [a0] Power Management version 2
Kernel driver in use: pcieport

00:1c.2 PCI bridge [0604]: Intel Corporation C600/X79 series chipset PCI Express
Root Port 3 [8086:1d14] (rev b6) (prog-if 00 [Normal decode])
Flags: bus master, fast devsel, latency 0, IRQ 34
Bus: primary=00, secondary=08, subordinate=08, sec-latency=0
Memory behind bridge: bbb00000-bbbfffff
Capabilities: [40] Express Root Port (Slot+), MSI 00
Capabilities: [80] MSI: Enable+ Count=1/1 Maskable- 64bit-
Capabilities: [90] Subsystem: Intel Corporation C600/X79 series chipset PCI
Express Root Port 3 [8086:1d14]
Capabilities: [a0] Power Management version 2
Kernel driver in use: pcieport

00:1c.4 PCI bridge [0604]: Intel Corporation C600/X79 series chipset PCI Express
Root Port 5 [8086:1d18] (rev b6) (prog-if 00 [Normal decode])
Flags: bus master, fast devsel, latency 0, IRQ 35
Bus: primary=00, secondary=09, subordinate=09, sec-latency=0
I/O behind bridge: 00004000-00004fff
Memory behind bridge: bba00000-bbafffff
Capabilities: [40] Express Root Port (Slot+), MSI 00
Capabilities: [80] MSI: Enable+ Count=1/1 Maskable- 64bit-
Capabilities: [90] Subsystem: Intel Corporation C600/X79 series chipset PCI
Express Root Port 5 [8086:1d18]
Capabilities: [a0] Power Management version 2
Kernel driver in use: pcieport

00:1d.0 USB controller [0c03]: Intel Corporation C600/X79 series chipset USB2
Enhanced Host Controller #1 [8086:1d26] (rev 06) (prog-if 20 [EHCI])
Subsystem: Intel Corporation C600/X79 series chipset USB2 Enhanced Host
Controller [8086:1d26]
Flags: bus master, medium devsel, latency 0, IRQ 23
Memory at bbf26000 (32-bit, non-prefetchable) [size=1K]
Capabilities: [50] Power Management version 2
Capabilities: [58] Debug port: BAR=1 offset=00a0
Capabilities: [98] PCI Advanced Features
Kernel driver in use: ehci-pci

```

00:1e.0 PCI bridge [0604]: Intel Corporation 82801 PCI Bridge [8086:244e] (rev a6)
(prog-if 01 [Subtractive decode])
Flags: bus master, fast devsel, latency 0
Bus: primary=00, secondary=0a, subordinate=0a, sec-latency=32
Capabilities: [50] Subsystem: Intel Corporation 82801 PCI Bridge [8086:244e]

00:1f.0 ISA bridge [0601]: Intel Corporation C600/X79 series chipset LPC
Controller [8086:1d41] (rev 06)
Subsystem: Intel Corporation C600/X79 series chipset LPC Controller
[8086:1d41]
Flags: bus master, medium devsel, latency 0
Capabilities: [e0] Vendor Specific Information: Len=0c <?>
Kernel driver in use: lpc_ich
Kernel modules: lpc_ich

00:1f.2 SATA controller [0106]: Intel Corporation C600/X79 series chipset 6-Port
SATA AHCI Controller [8086:1d02] (rev 06) (prog-if 01 [AHCI 1.0])
Subsystem: Intel Corporation C600/X79 series chipset 6-Port SATA AHCI
Controller [8086:1d02]
Flags: bus master, 66MHz, medium devsel, latency 0, IRQ 36
I/O ports at 7070 [size=8]
I/O ports at 7060 [size=4]
I/O ports at 7050 [size=8]
I/O ports at 7040 [size=4]
I/O ports at 7020 [size=32]
Memory at bbf25000 (32-bit, non-prefetchable) [size=2K]
Capabilities: [80] MSI: Enable+ Count=1/1 Maskable- 64bit-
Capabilities: [70] Power Management version 3
Capabilities: [a8] SATA HBA v1.0
Capabilities: [b0] PCI Advanced Features
Kernel driver in use: ahci

00:1f.3 SMBus [0c05]: Intel Corporation C600/X79 series chipset SMBus Host
Controller [8086:1d22] (rev 06)
Subsystem: Intel Corporation C600/X79 series chipset SMBus Host Controller
[8086:1d22]
Flags: medium devsel, IRQ 18
Memory at bbf24000 (64-bit, non-prefetchable) [size=256]
I/O ports at 7000 [size=32]
Kernel driver in use: i801_smbus
Kernel modules: i2c_i801

03:00.0 VGA compatible controller [0300]: Advanced Micro Devices, Inc. [AMD/ATI]
Cedar [Radeon HD 5000/6000/7350/8350 Series] [1002:68f9] (prog-if 00 [VGA
controller])
Subsystem: PC Partner Limited / Sapphire Technology Cedar [Radeon HD
5000/6000/7350/8350 Series] [174b:e199]
Flags: bus master, fast devsel, latency 0, IRQ 81
Memory at a0000000 (64-bit, prefetchable) [size=256M]
Memory at bbe20000 (64-bit, non-prefetchable) [size=128K]
I/O ports at 6000 [size=256]
Expansion ROM at 000c0000 [disabled] [size=128K]
Capabilities: [50] Power Management version 3
Capabilities: [58] Express Legacy Endpoint, MSI 00
Capabilities: [a0] MSI: Enable+ Count=1/1 Maskable- 64bit+
Capabilities: [100] Vendor Specific Information: ID=0001 Rev=1 Len=010 <?>
Capabilities: [150] Advanced Error Reporting
Kernel driver in use: radeon

Kernel modules: radeon

03:00.1 Audio device [0403]: Advanced Micro Devices, Inc. [AMD/ATI] Cedar HDMI Audio [Radeon HD 5400/6300/7300 Series] [1002:aa68]

Subsystem: PC Partner Limited / Sapphire Technology Cedar HDMI Audio [Radeon HD 5400/6300/7300 Series] [174b:aa68]

Flags: bus master, fast devsel, latency 0, IRQ 78

Memory at bbe40000 (64-bit, non-prefetchable) [size=16K]

Capabilities: [50] Power Management version 3

Capabilities: [58] Express Legacy Endpoint, MSI 00

Capabilities: [a0] MSI: Enable+ Count=1/1 Maskable- 64bit+

Capabilities: [100] Vendor Specific Information: ID=0001 Rev=1 Len=010 <?>

Capabilities: [150] Advanced Error Reporting

Kernel driver in use: snd_hda_intel

Kernel modules: snd_hda_intel

06:00.0 SATA controller [0106]: ASMedia Technology Inc. ASM1062 Serial ATA Controller [1b21:0612] (rev 02) (prog-if 01 [AHCI 1.0])

Subsystem: ASMedia Technology Inc. ASM1062 Serial ATA Controller [1b21:1060]

Flags: bus master, fast devsel, latency 0, IRQ 37

I/O ports at 5050 [size=8]

I/O ports at 5040 [size=4]

I/O ports at 5030 [size=8]

I/O ports at 5020 [size=4]

I/O ports at 5000 [size=32]

Memory at bbd10000 (32-bit, non-prefetchable) [size=512]

Expansion ROM at bbd00000 [disabled] [size=64K]

Capabilities: [50] MSI: Enable+ Count=1/1 Maskable- 64bit-

Capabilities: [78] Power Management version 3

Capabilities: [80] Express Legacy Endpoint, MSI 00

Capabilities: [100] Virtual Channel

Kernel driver in use: ahci

07:00.0 USB controller [0c03]: VIA Technologies, Inc. VL805 USB 3.0 Host Controller [1106:3483] (rev 01) (prog-if 30 [XHCI])

Subsystem: VIA Technologies, Inc. VL805 USB 3.0 Host Controller [1106:3483]

Flags: bus master, fast devsel, latency 0, IRQ 38

Memory at bbc00000 (64-bit, non-prefetchable) [size=4K]

Capabilities: [80] Power Management version 3

Capabilities: [90] MSI: Enable+ Count=1/4 Maskable- 64bit+

Capabilities: [c4] Express Endpoint, MSI 00

Capabilities: [100] Advanced Error Reporting

Kernel driver in use: xhci_hcd

Kernel modules: xhci_pci

08:00.0 Network controller [0280]: Intel Corporation Wi-Fi 6 AX200 [8086:2723] (rev 1a)

Subsystem: Intel Corporation Wi-Fi 6 AX200 [8086:0084]

Flags: bus master, fast devsel, latency 0, IRQ 18

Memory at bbb00000 (64-bit, non-prefetchable) [size=16K]

Capabilities: [c8] Power Management version 3

Capabilities: [d0] MSI: Enable- Count=1/1 Maskable- 64bit+

Capabilities: [40] Express Endpoint, MSI 00

Capabilities: [80] MSI-X: Enable+ Count=16 Masked-

Capabilities: [100] Advanced Error Reporting

Capabilities: [14c] Latency Tolerance Reporting

Capabilities: [154] L1 PM Substates

Kernel driver in use: iwlwifi

Kernel modules: iwlwifi, wl

09:00.0 Ethernet controller [0200]: Realtek Semiconductor Co., Ltd.
RTL8111/8168/8411 PCI Express Gigabit Ethernet Controller [10ec:8168] (rev 15)
Subsystem: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express
Gigabit Ethernet Controller [10ec:0123]
Flags: bus master, fast devsel, latency 0, IRQ 16
I/O ports at 4000 [size=256]
Memory at bba04000 (64-bit, non-prefetchable) [size=4K]
Memory at bba00000 (64-bit, non-prefetchable) [size=16K]
Capabilities: [40] Power Management version 3
Capabilities: [50] MSI: Enable- Count=1/1 Maskable- 64bit+
Capabilities: [70] Express Endpoint, MSI 01
Capabilities: [b0] MSI-X: Enable+ Count=4 Masked-
Capabilities: [100] Advanced Error Reporting
Capabilities: [140] Virtual Channel
Capabilities: [160] Device Serial Number 01-00-00-00-68-4c-e0-00
Capabilities: [170] Latency Tolerance Reporting
Capabilities: [178] L1 PM Substates
Kernel driver in use: r8169
Kernel modules: r8169

7f:08.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 QPI Link 0
[8086:3c80] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 QPI Link 0 [8086:0000]
Flags: fast devsel

7f:08.3 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 QPI Link Reut
0 [8086:3c83] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 QPI Link Reut 0 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [100] Vendor Specific Information: ID=0001 Rev=0 Len=0f0 <?>

7f:08.4 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 QPI Link Reut
0 [8086:3c84] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 QPI Link Reut 0 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

7f:09.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 QPI Link 1
[8086:3c90] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 QPI Link 1 [8086:0000]
Flags: fast devsel

7f:09.3 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 QPI Link Reut
1 [8086:3c93] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 QPI Link Reut 1 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [100] Vendor Specific Information: ID=0001 Rev=0 Len=0f0 <?>

7f:09.4 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 QPI Link Reut
1 [8086:3c94] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 QPI Link Reut 1 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

7f:0a.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Power Control Unit 0 [8086:3cc0] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Power Control Unit 0 [8086:0000]
Flags: fast devsel

7f:0a.1 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Power Control Unit 1 [8086:3cc1] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Power Control Unit 1 [8086:0000]
Flags: fast devsel

7f:0a.2 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Power Control Unit 2 [8086:3cc2] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Power Control Unit 2 [8086:0000]
Flags: fast devsel

7f:0a.3 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Power Control Unit 3 [8086:3cd0] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Power Control Unit 3 [8086:0000]
Flags: fast devsel

7f:0b.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Interrupt Control Registers [8086:3ce0] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Interrupt Control Registers [8086:0000]
Flags: fast devsel

7f:0b.3 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Semaphore and Scratchpad Configuration Registers [8086:3ce3] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Semaphore and Scratchpad Configuration Registers [8086:0000]
Flags: fast devsel

7f:0c.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:3ce8] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:0000]
Flags: fast devsel

7f:0c.1 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:3ce8] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:0000]
Flags: fast devsel

7f:0c.2 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:3ce8] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:0000]
Flags: fast devsel

7f:0c.6 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller System Address Decoder 0 [8086:3cf4] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller System Address Decoder 0 [8086:0000]
Flags: fast devsel

7f:0c.7 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 System Address

Decoder [8086:3cf6] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 System Address Decoder
[8086:0000]
Flags: fast devsel

7f:0d.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Unicast
Register 0 [8086:3ce8] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:0000]
Flags: fast devsel

7f:0d.1 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Unicast
Register 0 [8086:3ce8] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:0000]
Flags: fast devsel

7f:0d.2 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Unicast
Register 0 [8086:3ce8] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:0000]
Flags: fast devsel

7f:0d.6 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller System Address Decoder 1 [8086:3cf5] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
System Address Decoder 1 [8086:0000]
Flags: fast devsel

7f:0e.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Processor Home
Agent [8086:3ca0] (rev 07)
Flags: fast devsel

7f:0e.1 Performance counters [1101]: Intel Corporation Xeon E5/Core i7 Processor
Home Agent Performance Monitoring [8086:3c46] (rev 07)
Flags: fast devsel
Kernel driver in use: snbep_uncore

7f:0f.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller Registers [8086:3ca8] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
Registers [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

7f:0f.1 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller RAS Registers [8086:3c71] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
RAS Registers [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

7f:0f.2 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller Target Address Decoder 0 [8086:3caa] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
Target Address Decoder 0 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

7f:0f.3 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller Target Address Decoder 1 [8086:3cab] (rev 07)

Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
Target Address Decoder 1 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

7f:0f.4 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller Target Address Decoder 2 [8086:3cac] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
Target Address Decoder 2 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

7f:0f.5 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller Target Address Decoder 3 [8086:3cad] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
Target Address Decoder 3 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

7f:0f.6 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller Target Address Decoder 4 [8086:3cae] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
Target Address Decoder 4 [8086:0000]
Flags: fast devsel

7f:10.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller Channel 0-3 Thermal Control 0 [8086:3cb0] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
Channel 0-3 Thermal Control 0 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00
Kernel driver in use: snbep_uncore

7f:10.1 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller Channel 0-3 Thermal Control 1 [8086:3cb1] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
Channel 0-3 Thermal Control 1 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00
Kernel driver in use: snbep_uncore

7f:10.2 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller ERROR Registers 0 [8086:3cb2] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
ERROR Registers 0 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

7f:10.3 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller ERROR Registers 1 [8086:3cb3] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
ERROR Registers 1 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

7f:10.4 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller Channel 0-3 Thermal Control 2 [8086:3cb4] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller

Channel 0-3 Thermal Control 2 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00
Kernel driver in use: snbep_uncore

7f:10.5 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller Channel 0-3 Thermal Control 3 [8086:3cb5] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller Channel 0-3 Thermal Control 3 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00
Kernel driver in use: snbep_uncore

7f:10.6 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 2 [8086:3cb6] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 2 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

7f:10.7 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 3 [8086:3cb7] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 3 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

7f:11.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 DDRIO [8086:3cb8] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 DDRIO [8086:0000]
Flags: fast devsel

7f:13.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 R2PCIE [8086:3ce4] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 R2PCIE [8086:0000]
Flags: fast devsel

7f:13.1 Performance counters [1101]: Intel Corporation Xeon E5/Core i7 Ring to PCI Express Performance Monitor [8086:3c43] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Ring to PCI Express Performance Monitor [8086:0000]
Flags: fast devsel
Kernel driver in use: snbep_uncore

7f:13.4 Performance counters [1101]: Intel Corporation Xeon E5/Core i7 QuickPath Interconnect Agent Ring Registers [8086:3ce6] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 QuickPath Interconnect Agent Ring Registers [8086:0000]
Flags: fast devsel

7f:13.5 Performance counters [1101]: Intel Corporation Xeon E5/Core i7 Ring to QuickPath Interconnect Link 0 Performance Monitor [8086:3c44] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Ring to QuickPath Interconnect Link 0 Performance Monitor [8086:0000]
Flags: fast devsel
Kernel driver in use: snbep_uncore

7f:13.6 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Ring to

QuickPath Interconnect Link 1 Performance Monitor [8086:3c45] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Ring to QuickPath Interconnect
Link 1 Performance Monitor [8086:0000]
Flags: fast devsel
Kernel driver in use: snbep_uncore

80:04.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 DMA Channel 0 [8086:3c20] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 DMA Channel 0 [8086:3c20]
Flags: bus master, fast devsel, latency 0, IRQ 50
Memory at fbf1c000 (64-bit, non-prefetchable) [size=16K]
Capabilities: [80] MSI-X: Enable+ Count=1 Masked-
Capabilities: [90] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [e0] Power Management version 3
Kernel driver in use: ioatdma
Kernel modules: ioatdma

80:04.1 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 DMA Channel 1 [8086:3c21] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 DMA Channel 1 [8086:3c21]
Flags: bus master, fast devsel, latency 0, IRQ 52
Memory at fbf18000 (64-bit, non-prefetchable) [size=16K]
Capabilities: [80] MSI-X: Enable+ Count=1 Masked-
Capabilities: [90] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [e0] Power Management version 3
Kernel driver in use: ioatdma
Kernel modules: ioatdma

80:04.2 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 DMA Channel 2 [8086:3c22] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 DMA Channel 2 [8086:3c22]
Flags: bus master, fast devsel, latency 0, IRQ 50
Memory at fbf14000 (64-bit, non-prefetchable) [size=16K]
Capabilities: [80] MSI-X: Enable+ Count=1 Masked-
Capabilities: [90] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [e0] Power Management version 3
Kernel driver in use: ioatdma
Kernel modules: ioatdma

80:04.3 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 DMA Channel 3 [8086:3c23] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 DMA Channel 3 [8086:3c23]
Flags: bus master, fast devsel, latency 0, IRQ 52
Memory at fbf10000 (64-bit, non-prefetchable) [size=16K]
Capabilities: [80] MSI-X: Enable+ Count=1 Masked-
Capabilities: [90] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [e0] Power Management version 3
Kernel driver in use: ioatdma
Kernel modules: ioatdma

80:04.4 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 DMA Channel 4 [8086:3c24] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 DMA Channel 4 [8086:3c24]
Flags: bus master, fast devsel, latency 0, IRQ 50
Memory at fbf0c000 (64-bit, non-prefetchable) [size=16K]
Capabilities: [80] MSI-X: Enable+ Count=1 Masked-
Capabilities: [90] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [e0] Power Management version 3

Kernel driver in use: ioatdma
Kernel modules: ioatdma

80:04.5 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 DMA Channel 5 [8086:3c25] (rev 07)

Subsystem: Intel Corporation Xeon E5/Core i7 DMA Channel 5 [8086:3c25]
Flags: bus master, fast devsel, latency 0, IRQ 52
Memory at fbf08000 (64-bit, non-prefetchable) [size=16K]
Capabilities: [80] MSI-X: Enable+ Count=1 Masked-
Capabilities: [90] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [e0] Power Management version 3
Kernel driver in use: ioatdma
Kernel modules: ioatdma

80:04.6 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 DMA Channel 6 [8086:3c26] (rev 07)

Subsystem: Intel Corporation Xeon E5/Core i7 DMA Channel 6 [8086:3c26]
Flags: bus master, fast devsel, latency 0, IRQ 50
Memory at fbf04000 (64-bit, non-prefetchable) [size=16K]
Capabilities: [80] MSI-X: Enable+ Count=1 Masked-
Capabilities: [90] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [e0] Power Management version 3
Kernel driver in use: ioatdma
Kernel modules: ioatdma

80:04.7 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 DMA Channel 7 [8086:3c27] (rev 07)

Subsystem: Intel Corporation Xeon E5/Core i7 DMA Channel 7 [8086:3c27]
Flags: bus master, fast devsel, latency 0, IRQ 52
Memory at fbf00000 (64-bit, non-prefetchable) [size=16K]
Capabilities: [80] MSI-X: Enable+ Count=1 Masked-
Capabilities: [90] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [e0] Power Management version 3
Kernel driver in use: ioatdma
Kernel modules: ioatdma

80:05.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Address Map, VTd_Misc, System Management [8086:3c28] (rev 07)

Subsystem: Intel Corporation Xeon E5/Core i7 Address Map, VTd_Misc, System Management [8086:3c28]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

80:05.2 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Control Status and Global Errors [8086:3c2a] (rev 07)

Subsystem: Intel Corporation Xeon E5/Core i7 Control Status and Global Errors [8086:3c2a]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

80:05.4 PIC [0800]: Intel Corporation Xeon E5/Core i7 I/O APIC [8086:3c2c] (rev 07) (prog-if 20 [IO(X)-APIC])

Subsystem: Intel Corporation Xeon E5/Core i7 I/O APIC [8086:3c2c]
Flags: bus master, fast devsel, latency 0
Memory at fbf20000 (32-bit, non-prefetchable) [size=4K]
Capabilities: [6c] Power Management version 3

ff:08.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 QPI Link 0

[8086:3c80] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 QPI Link 0 [8086:0000]
Flags: fast devsel

ff:08.3 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 QPI Link Reut 0 [8086:3c83] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 QPI Link Reut 0 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [100] Vendor Specific Information: ID=0001 Rev=0 Len=0f0 <?>

ff:08.4 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 QPI Link Reut 0 [8086:3c84] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 QPI Link Reut 0 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

ff:09.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 QPI Link 1 [8086:3c90] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 QPI Link 1 [8086:0000]
Flags: fast devsel

ff:09.3 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 QPI Link Reut 1 [8086:3c93] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 QPI Link Reut 1 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00
Capabilities: [100] Vendor Specific Information: ID=0001 Rev=0 Len=0f0 <?>

ff:09.4 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 QPI Link Reut 1 [8086:3c94] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 QPI Link Reut 1 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

ff:0a.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Power Control Unit 0 [8086:3cc0] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Power Control Unit 0 [8086:0000]
Flags: fast devsel

ff:0a.1 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Power Control Unit 1 [8086:3cc1] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Power Control Unit 1 [8086:0000]
Flags: fast devsel

ff:0a.2 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Power Control Unit 2 [8086:3cc2] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Power Control Unit 2 [8086:0000]
Flags: fast devsel

ff:0a.3 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Power Control Unit 3 [8086:3cd0] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Power Control Unit 3 [8086:0000]
Flags: fast devsel

ff:0b.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Interrupt Control Registers [8086:3ce0] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Interrupt Control Registers [8086:0000]
Flags: fast devsel

ff:0b.3 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Semaphore and Scratchpad Configuration Registers [8086:3ce3] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Semaphore and Scratchpad Configuration Registers [8086:0000]
Flags: fast devsel

ff:0c.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:3ce8] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:0000]
Flags: fast devsel

ff:0c.1 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:3ce8] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:0000]
Flags: fast devsel

ff:0c.2 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:3ce8] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:0000]
Flags: fast devsel

ff:0c.6 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller System Address Decoder 0 [8086:3cf4] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller System Address Decoder 0 [8086:0000]
Flags: fast devsel

ff:0c.7 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 System Address Decoder [8086:3cf6] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 System Address Decoder [8086:0000]
Flags: fast devsel

ff:0d.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:3ce8] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:0000]
Flags: fast devsel

ff:0d.1 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:3ce8] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:0000]
Flags: fast devsel

ff:0d.2 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:3ce8] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Unicast Register 0 [8086:0000]
Flags: fast devsel

ff:0d.6 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller System Address Decoder 1 [8086:3cf5] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller

System Address Decoder 1 [8086:0000]

Flags: fast devsel

ff:0e.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Processor Home Agent [8086:3ca0] (rev 07)

Flags: fast devsel

ff:0e.1 Performance counters [1101]: Intel Corporation Xeon E5/Core i7 Processor Home Agent Performance Monitoring [8086:3c46] (rev 07)

Subsystem: Intel Corporation Xeon E5/Core i7 Processor Home Agent

Performance Monitoring [8086:0000]

Flags: fast devsel

Kernel driver in use: snbep_uncore

ff:0f.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller Registers [8086:3ca8] (rev 07)

Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller Registers [8086:0000]

Flags: fast devsel

Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

ff:0f.1 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller RAS Registers [8086:3c71] (rev 07)

Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller RAS Registers [8086:0000]

Flags: fast devsel

Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

ff:0f.2 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 0 [8086:3caa] (rev 07)

Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 0 [8086:0000]

Flags: fast devsel

Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

ff:0f.3 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 1 [8086:3cab] (rev 07)

Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 1 [8086:0000]

Flags: fast devsel

Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

ff:0f.4 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 2 [8086:3cac] (rev 07)

Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 2 [8086:0000]

Flags: fast devsel

Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

ff:0f.5 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 3 [8086:3cad] (rev 07)

Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 3 [8086:0000]

Flags: fast devsel

Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

ff:0f.6 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 4 [8086:3cae] (rev 07)

Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
Target Address Decoder 4 [8086:0000]
Flags: fast devsel

ff:10.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller Channel 0-3 Thermal Control 0 [8086:3cb0] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
Channel 0-3 Thermal Control 0 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00
Kernel driver in use: snbep_uncore

ff:10.1 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller Channel 0-3 Thermal Control 1 [8086:3cb1] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
Channel 0-3 Thermal Control 1 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00
Kernel driver in use: snbep_uncore

ff:10.2 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller ERROR Registers 0 [8086:3cb2] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
ERROR Registers 0 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

ff:10.3 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller ERROR Registers 1 [8086:3cb3] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
ERROR Registers 1 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

ff:10.4 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller Channel 0-3 Thermal Control 2 [8086:3cb4] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
Channel 0-3 Thermal Control 2 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00
Kernel driver in use: snbep_uncore

ff:10.5 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller Channel 0-3 Thermal Control 3 [8086:3cb5] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
Channel 0-3 Thermal Control 3 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00
Kernel driver in use: snbep_uncore

ff:10.6 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated
Memory Controller ERROR Registers 2 [8086:3cb6] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
ERROR Registers 2 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

ff:10.7 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Integrated

Memory Controller ERROR Registers 3 [8086:3cb7] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Integrated Memory Controller
ERROR Registers 3 [8086:0000]
Flags: fast devsel
Capabilities: [40] Express Root Complex Integrated Endpoint, MSI 00

ff:11.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 DDRIO
[8086:3cb8] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 DDRIO [8086:0000]
Flags: fast devsel

ff:13.0 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 R2PCIE
[8086:3ce4] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 R2PCIE [8086:0000]
Flags: fast devsel

ff:13.1 Performance counters [1101]: Intel Corporation Xeon E5/Core i7 Ring to PCI
Express Performance Monitor [8086:3c43] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Ring to PCI Express Performance
Monitor [8086:0000]
Flags: fast devsel
Kernel driver in use: snbep_uncore

ff:13.4 Performance counters [1101]: Intel Corporation Xeon E5/Core i7 QuickPath
Interconnect Agent Ring Registers [8086:3ce6] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 QuickPath Interconnect Agent
Ring Registers [8086:0000]
Flags: fast devsel

ff:13.5 Performance counters [1101]: Intel Corporation Xeon E5/Core i7 Ring to
QuickPath Interconnect Link 0 Performance Monitor [8086:3c44] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Ring to QuickPath Interconnect
Link 0 Performance Monitor [8086:0000]
Flags: fast devsel
Kernel driver in use: snbep_uncore

ff:13.6 System peripheral [0880]: Intel Corporation Xeon E5/Core i7 Ring to
QuickPath Interconnect Link 1 Performance Monitor [8086:3c45] (rev 07)
Subsystem: Intel Corporation Xeon E5/Core i7 Ring to QuickPath Interconnect
Link 1 Performance Monitor [8086:0000]
Flags: fast devsel
Kernel driver in use: snbep_uncore