

# FreeBSD動作検証レポート

## R110e-1M / 10.0-STABLE

### 対象ハードウェア

maker:NEC, product:Express5800/R120e-1E [N8100-2124Y],  
serial:4300153, version:FR1.1

### 対象OSバージョン

FreeBSD 10.0-STABLE #0 r262915: Sat Mar 8 03:13:32 UTC 2014

2014年4月19日版

BSDコンサルティング株式会社

本文書の無断での引用・転載を禁止する

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# 動作検証レポート

# 要約

## ハードウェア基本情報

製品UUID	00f6e1d9-09a5-e311-8001-74d43567f3cb
製品データ	maker:NEC, product:Express5800/R120e-1E [N8100-2124Y], serial:4300153, version:FR1.1
筐体データ	maker:NEC, serial:01, tag:_____, version:856-857626-002
CPU	Intel(R) Xeon(R) CPU E5-2420 v2 @ 2.20GHz
MEMORY	16777216[KB]
BIOS	reldate:11/12/2013, vendor:American Megatrends Inc., version:4.6.0006
ACPI	oem:ALASKA, revision:2, rsdp:0x000f0490, rsdt:0x7dbbc028, xsdt:0x000000007dbbc080
OS	FreeBSD 10.0-STABLE #0 r262915: Sat Mar 8 03:13:32 UTC 2014

## 基礎性能データ

メモリアクセス速度	21.655 GBi/sec
IPv4スタック処理速度	293.272 MBI/sec
IPv6スタック処理速度	240.997 MBI/sec

## 動作検証要約

FreeBSD 10.0-STABLE #0 r262915: Sat Mar 8 03:13:32 UTC 2014は、検証対象ハードウェア「maker:NEC, product:Express5800/R120e-1E [N8100-2124Y], serial:4300153, version:FR1.1」において正常に動作する。本機はFreeBSD 10.0-STABLE #0 r262915: Sat Mar 8 03:13:32 UTC 2014よりも前のバージョンでの使用は推奨できない。今後リリースが予定されているFreeBSD 10.1-RELEASEなどFreeBSD 10.0-STABLE #0 r262915: Sat Mar 8 03:13:32 UTC 2014以降のバージョンの使用が推奨される。

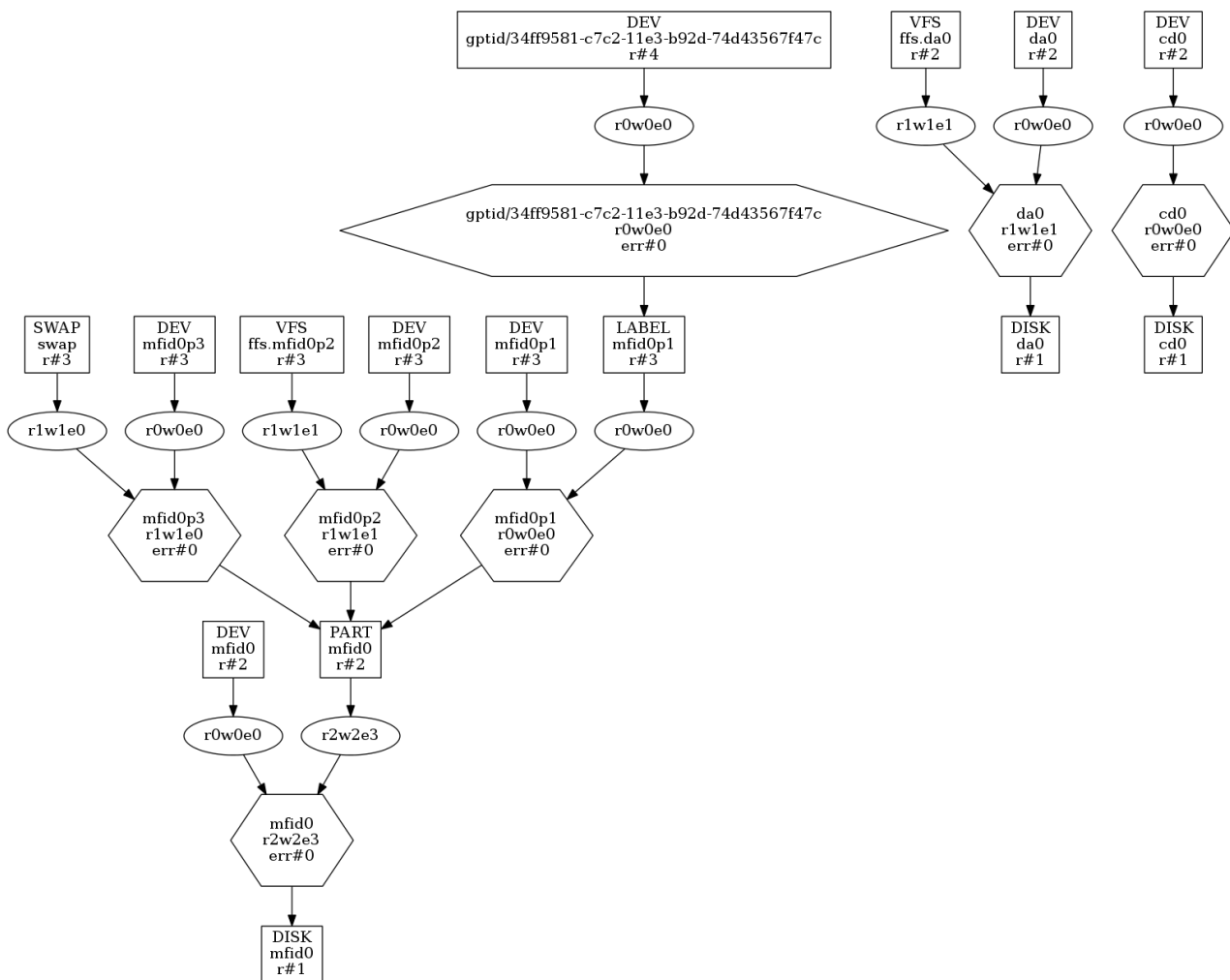
FreeBSD 10.1-RELEASEがリリースされるよりも前の段階でリリースバージョンでの使用が必要とされる場合、リリースバージョンでの使用が必要とされる場合、FreeBSD 10.0-RELEASEのユーザランドにFreeBSD 10.0-STABLEのカーネルを組み合わせて利用する方法を検討できる。本番環境での使用にあたっては実施前にその組み合わせでの負荷試験の実施が推奨される。

※ 長期間に渡る負荷試験の実施やカスタムカーネルの開発とご提供、データセンターまたはオンプレミスでのFreeBSDシステムの設計、セットアップ、デプロイなど詳しい業務に関しては弊社までお気軽にご相談ください。

## 互換情報

NEC Express5800/R120e-1E、NEC Express5800/R120e-2E、NEC Express5800/R110e-1Mは同じマザーボードを採用している。本動作検証レポートの内容はNEC Express5800/R120e-1Eにおいて実施されたものだが、本検証レポートの内容はNEC Express5800/R120e-2EおよびNEC Express5800/R110e-1Mにおいても有効。

# 検証機GEOMツリー



# 高負荷耐久試験

# 高負荷耐久試験

## 試験結果

検証対象ハードウェア(maker:NEC, product:Express5800/R120e-1E [N8100-2124Y], serial:4300153, version:FR1.1)は24時間高負荷耐久試験をクリアしており、所定の負荷に対して安定して動作するものとみられる。

不正処理高負荷耐久試験	クリア
通常ファイル作成高負荷耐久試験	クリア
FIFOファイル作成高負荷耐久試験	クリア
ディレクトリ作成高負荷耐久試験	クリア
ハードリンクファイル作成高負荷耐久試験	クリア
シンボリックリンクファイル作成高負荷耐久試験	クリア
ファイルロック機構高負荷耐久試験	クリア
メモリファイルマッピング機能高負荷耐久試験	クリア
ファイルシステム階層構造トラバース高負荷耐久試験	クリア
ファイルシステムパス解析高負荷耐久試験	クリア
ファイルシステムパスリネーム高負荷耐久試験	クリア
ファイルシステムライト・キャッシュリード高負荷耐久試験	クリア
ファイルシステムスワップ高負荷耐久試験	クリア
スレッド機構高負荷耐久試験	クリア
間接システムコール高負荷耐久試験	クリア
擬似ターミナル機構高負荷耐久試験	クリア
共有メモリ機構高負荷耐久試験	クリア
ネットワークソケット高負荷耐久試験	クリア
TCPスタック高負荷耐久試験	クリア
UDPスタック高負荷耐久試験	クリア

# 動作検証レポート

# 動作検証レポート

## ACPI認識データ

ACPI_APIC	Revision=3, OEMID=ALASKA, OEM_Table ID=065D, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_BERT	Revision=1, OEMID=AMI, OEM_Table ID=AMI BERT, OEM_Revision=0x0, Creator_ID=, Creator_Revision=0x0
ACPI_DMAR	Revision=1, OEMID=A_M I, OEM_Table ID=OEMDMAR, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x1
ACPI_DSDT	Revision=2, OEMID=ALASKA, OEM_Table ID=065D, OEM_Revision=0x15, Creator_ID=INTL, Creator_Revision=0x20091112
ACPI_FACP	Revision=5, OEMID=ALASKA, OEM_Table ID=065D, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013, FACS=0x7deab080, DSDT=0x7dbbc188, SMI_CMD=0xb2, ACPI_ENABLE=0xa0, ACPI_DISABLE=0xa1, S4BIOS_REQ=0x0, FLUSH_STRIDE=16, DUTY_WIDTH=3, RESET_VALUE=0xee
ACPI_FACS	HwSig=0x00000000, Firm_Wake_Vec=0x00000000
ACPI_FPDT	Revision=1, OEMID=ALASKA, OEM_Table ID=065D, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_HPET	Revision=1, OEMID=ALASKA, OEM_Table ID=065D, OEM_Revision=0x1072009, Creator_ID=AMI., Creator_Revision=0x5
ACPI_MCFG	Revision=1, OEMID=ALASKA, OEM_Table ID=OEMMCFG., OEM_Revision=0x1072009, Creator_ID=MSFT, Creator_Revision=0x97
ACPI_PRAD	Revision=2, OEMID=PRADID, OEM_Table ID=PRADTID, OEM_Revision=0x1, Creator_ID=MSFT, Creator_Revision=0x3000001
ACPI_RSD_PTR	OEM=ALASKA, ACPI_Rev=2.0x_(2), XSDT=0x7dbbc080
ACPI_SLIT	Revision=1, OEMID=A_M I, OEM_Table ID=AMI SLIT, OEM_Revision=0x0, Creator_ID=AMI., Creator_Revision=0x0
ACPI_SRAT	Revision=1, OEMID=A_M I, OEM_Table ID=AMI SRAT, OEM_Revision=0x1, Creator_ID=AMI., Creator_Revision=0x0
ACPI_XSDT	Revision=1, OEMID=ALASKA, OEM_Table ID=065D, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_SSDT_1	Length=855216, Revision=2, Checksum=202, OEMID=INTEL, OEM_Table ID=CpuPm, OEM_Revision=0x4000, Creator_ID=INTL, Creator_Revision=0x20051117

## MFIデバイス認識データ

アダプタ	mfi0 Adapter:, Product Name: LSI MegaRAID SAS 9272-8i, Serial Number: SV40118308, Firmware: 23.11.0-0034, RAID Levels: JBOD, RAID0, RAID1, RAID5, RAID6, RAID10, RAID50, Battery Backup: present, NVRAM: 32K, Onboard Memory: 512M, Minimum Stripe: 8K, Maximum Stripe: 1M
ドライバ	mfi0 Physical Drives:, 8 ( 279G) ONLINE It;WDC WD6000HLHX-0 5G04 serial=WD-WXL1E61KWWV8gt; SATA E1:S1, 9 ( 279G) ONLINE It;WDC WD6000HLHX-0 5G04 serial=WD-WXL1E61KXSU9gt; SATA E1:S2, 10 ( 279G) ONLINE It;WDC WD6000HLHX-0 5G04 serial=WD-WXM1EA0KYL76gt; SATA E1:S0
ボリューム	mfi0 Volumes:, Id Size Level Stripe State Cache Name, mfid0 ( 558G) RAID-5 256K OPTIMAL Disabled It;array0gt;
コンフィグ	mfi0 Configuration: 1 arrays, 1 volumes, 0 spares, array 0 of 3 drives:, drive 10 ( 279G) ONLINE It;WDC WD6000HLHX-0 5G04 serial=WD-WXM1EA0KYL76gt; SATA, drive 8 ( 279G) ONLINE It;WDC WD6000HLHX-0 5G04 serial=WD-WXL1E61KWWV8gt; SATA, drive 9 ( 279G) ONLINE It;WDC WD6000HLHX-0 5G04 serial=WD-WXL1E61KXSU9gt; SATA, volume mfid0 (558G) RAID-5 256K OPTIMAL It;array0gt; spans:, array 0

※ 対象となるデバイスがmfi(4)ドライバを使用しないストレージ構成の場合、当項目は該当データなし。

## MPTデバイス認識データ

アダプタ	該当データなし
ドライバ	該当データなし
ボリューム	該当データなし
コンフィグ	該当データなし

※ 対象となるデバイスがmp(4)ドライバを使用しないストレージ構成の場合、当項目は該当データなし。



## NIC認識データ

NIC	bge0, bge1, bge2, bge3
bge0	flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=74:d4:35:67:f4:7c, inet=192.168.1.38 netmask 0xfffff00 broadcast 192.168.1.255, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect (1000baseT <full-duplex, master>), status=active
bge1	flags=8802<BROADCAST,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=74:d4:35:67:f4:7d, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect
bge2	flags=8802<BROADCAST,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=74:d4:35:67:f4:7e, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect
bge3	flags=8802<BROADCAST,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=74:d4:35:67:f4:7f, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect

## カーネルデバイス認識データ

acpi	apm	apmctl	audit
bpf	bpf0(bpf)	cd0	console
consoectl	ctty	cuau0	cuau0.init
cuau0.lock	cuau1	cuau1.init	cuau1.lock
devctl	devstat	dumpdev(mfid0p3)	fd
fd/0	fd/1	fd/2	fido
geom.ctl	gptid	gptid/34ff9581-c7c2-11e3-b92d-74d43567f47c	io
kbd0(ukbd0)	kbd1(kbdmux0)	kbd2(ukbd1)	kbdmux0
klog	kmem	log(/var/run/log)	mdctl
megaraid_sas_ioctl_node(mfi0)	mem	mfi0	mfid0
mfid0p1	mfid0p2	mfid0p3	midistat
nfslock	null	pass0	pass1
pci	random	sndstat	stderr(fd/2)
stdin(fd/0)	stdout(fd/1)	sysmouse	ttyu0
ttyu0.init	ttyu0.lock	ttyu1	ttyu1.init
ttyu1.lock	ttyv0	ttyv1	ttyv2
ttyv3	ttyv4	ttyv5	ttyv6
ttyv7	ttyv8	ttyv9	ttyva
ttyvb	ttyvc	ttyvd	ttyve
ttyvf	ufssuspend	ugen0.1(usb/0.1.0)	ugen0.2(usb/0.2.0)
ugen0.3(usb/0.3.0)	ugen0.4(usb/0.4.0)	ugen0.5(usb/0.5.0)	ugen1.1(usb/1.1.0)
ugen1.2(usb/1.2.0)	ugen1.3(usb/1.3.0)	ukbd0	ukbd1
ums0	urandom(random)	usb	usb/0.1.0
usb/0.1.1	usb/0.2.0	usb/0.2.1	usb/0.3.0
usb/0.3.1	usb/0.4.0	usb/0.4.1	usb/0.5.0
usb/0.5.1	usb/0.5.2	usb/1.1.0	usb/1.1.1
usb/1.2.0	usb/1.2.1	usb/1.3.0	usb/1.3.1
usb/1.3.2	usbctl	xpt0	zero

## PCI認識データ

1	pci0:0:0:(hostb0), class=HOST-PCI, vendor='Intel Corporation', device='Ivytown DMI2'
2	pci0:0:1:0(pciB1), class=PCI-PCI, vendor='Intel Corporation', device=
3	pci0:0:3:0(pciB2), class=PCI-PCI, vendor='Intel Corporation', device='Ivytown PCI Express Root Port 3a'
4	pci0:0:4:0(none0), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 0'
5	pci0:0:4:1(none1), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 1'
6	pci0:0:4:2(none2), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 2'
7	pci0:0:4:3(none3), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 3'
8	pci0:0:4:4(none4), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 4'
9	pci0:0:4:5(none5), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 5'
10	pci0:0:4:6(none6), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 6'
11	pci0:0:4:7(none7), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 7'
12	pci0:0:5:0(none8), class=base peripheral, vendor='Intel Corporation', device='Ivytown VTd/Memory Map/Misc'
13	pci0:0:5:2(none9), class=base peripheral, vendor='Intel Corporation', device='Ivytown IIO RAS'
14	pci0:0:5:4(ioapic0), class=interrupt controller, vendor='Intel Corporation', device='Ivytown IOAPIC'
15	pci0:0:17:0(pciB3), class=PCI-PCI, vendor='Intel Corporation', device='C600/X79 series chipset PCI Express Virtual Root Port'
16	pci0:0:22:0(none10), class=simple comms, vendor='Intel Corporation', device='C600/X79 series chipset MEI Controller'
17	pci0:0:22:1(none11), class=simple comms, vendor='Intel Corporation', device='C600/X79 series chipset MEI Controller'
18	pci0:0:26:0(ehci0), class=USB, vendor='Intel Corporation', device='C600/X79 series chipset USB2 Enhanced Host Controller'
19	pci0:0:28:0(pciB4), class=PCI-PCI, vendor='Intel Corporation', device='C600/X79 series chipset PCI Express Root Port 1'
20	pci0:0:28:2(pciB5), class=PCI-PCI, vendor='Intel Corporation', device='C600/X79 series chipset PCI Express Root Port 3'
21	pci0:0:28:3(pciB6), class=PCI-PCI, vendor='Intel Corporation', device='C600/X79 series chipset PCI Express Root Port 4'
22	pci0:0:28:4(pciB7), class=PCI-PCI, vendor='Intel Corporation', device='C600/X79 series chipset PCI Express Root Port 5'
23	pci0:0:29:0(ehci1), class=USB, vendor='Intel Corporation', device='C600/X79 series chipset USB2 Enhanced Host Controller'
24	pci0:0:30:0(pciB8), class=PCI-PCI, vendor='Intel Corporation', device='82801 PCI Bridge'
25	pci0:0:31:0(isab0), class=PCI-ISA, vendor='Intel Corporation', device='C600/X79 series chipset LPC Controller'
26	pci0:0:31:2(atapci0), class=ATA, vendor='Intel Corporation', device='C600/X79 series chipset 4-Port SATA IDE Controller'
27	pci0:0:31:3(none12), class=SMBus, vendor='Intel Corporation', device='C600/X79 series chipset SMBus Host Controller'
28	pci0:0:31:5(atapci1), class=ATA, vendor='Intel Corporation', device='C600/X79 series chipset 2-Port SATA IDE Controller'
29	pci0:16:0:0(mfi0), class=RAID, vendor='LSI Logic / Symbios Logic', device='MegaRAID SAS 2208 [Thunderbolt]'
30	pci0:32:0:0(none13), class=Fibre Channel, vendor='Emulex Corporation', device='Lancer-X: LightPulse Fibre Channel Host Adapter'
31	pci0:8:0:0(bge0), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5719 Gigabit Ethernet PCIe'
32	pci0:8:0:1(bge1), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5719 Gigabit Ethernet PCIe'
33	pci0:8:0:2(bge2), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5719 Gigabit Ethernet PCIe'
34	pci0:8:0:3(bge3), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5719 Gigabit Ethernet PCIe'
35	pci0:125:0:0(vgapci0), class=VGA, vendor='Matrox Electronics Systems Ltd.', device='MGA G200e [Pilot] ServerEngines (SEP1)'
36	pci0:96:0:0(none14), class=Fibre Channel, vendor='Emulex Corporation', device='Lancer-X: LightPulse Fibre Channel Host Adapter'
37	pci0:127:8:0(none15), class=base peripheral, vendor='Intel Corporation', device='Ivytown QPI Link 0'
38	pci0:127:9:0(none16), class=base peripheral, vendor='Intel Corporation', device='Ivytown QPI Link 1'
39	pci0:127:10:0(none17), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 0'
40	pci0:127:10:1(none18), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 1'
41	pci0:127:10:2(none19), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 2'
42	pci0:127:10:3(none20), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 3'
43	pci0:127:10:4(none21), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 4'
44	pci0:127:11:0(none22), class=base peripheral, vendor='Intel Corporation', device='Ivytown Semaphore and Scratchpad Configuration Registers'
45	pci0:127:11:3(none23), class=base peripheral, vendor='Intel Corporation', device='Ivytown Semaphore and Scratchpad Configuration Registers'
46	pci0:127:12:0(none24), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
47	pci0:127:12:1(none25), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
48	pci0:127:12:2(none26), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'

49	pci0:127:13:0(none27), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
50	pci0:127:13:1(none28), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
51	pci0:127:13:2(none29), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
52	pci0:127:14:0(none30), class=base peripheral, vendor='Intel Corporation', device='Ivytown Home Agent 0'
53	pci0:127:14:1(none31), class=dasp, vendor='Intel Corporation', device='Ivytown Home Agent 0'
54	pci0:127:15:0(none32), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Target Address/Thermal Registers'
55	pci0:127:15:1(none33), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 RAS Registers'
56	pci0:127:15:2(none34), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
57	pci0:127:15:3(none35), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
58	pci0:127:15:4(none36), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
59	pci0:127:15:5(none37), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
60	pci0:127:16:0(none38), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 0'
61	pci0:127:16:1(none39), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 1'
62	pci0:127:16:2(none40), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 0'
63	pci0:127:16:3(none41), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 1'
64	pci0:127:16:4(none42), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 2'
65	pci0:127:16:5(none43), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 3'
66	pci0:127:16:6(none44), class=base peripheral, vendor='Intel Corporation', device=''
67	pci0:127:16:7(none45), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 2'
68	pci0:127:19:0(none46), class=base peripheral, vendor='Intel Corporation', device='Ivytown R2PCIe'
69	pci0:127:19:1(none47), class=dasp, vendor='Intel Corporation', device='Ivytown PCI Express Ring Performance Monitoring'
70	pci0:127:19:4(none48), class=base peripheral, vendor='Intel Corporation', device='Ivytown QPI Ring Registers'
71	pci0:127:19:5(none49), class=dasp, vendor='Intel Corporation', device='Ivytown QPI Ring Performance Ring Monitoring'
72	pci0:127:22:0(none50), class=base peripheral, vendor='Intel Corporation', device='Ivytown System Address Decoder'
73	pci0:127:22:1(none51), class=base peripheral, vendor='Intel Corporation', device='Ivytown Broadcast Registers'
74	pci0:127:22:2(none52), class=base peripheral, vendor='Intel Corporation', device='Ivytown Broadcast Registers'
75	pci0:128:0:0(pci11), class=PCI-PCI, vendor='Intel Corporation', device='Ivytown PCI Express Root Port in DMI2 Mode'
76	pci0:128:4:0(none53), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 0'
77	pci0:128:4:1(none54), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 1'
78	pci0:128:4:2(none55), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 2'
79	pci0:128:4:3(none56), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 3'
80	pci0:128:4:4(none57), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 4'
81	pci0:128:4:5(none58), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 5'
82	pci0:128:4:6(none59), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 6'
83	pci0:128:4:7(none60), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 7'
84	pci0:128:5:0(none61), class=base peripheral, vendor='Intel Corporation', device='Ivytown VTd/Memory Map/Misc'
85	pci0:128:5:2(none62), class=base peripheral, vendor='Intel Corporation', device='Ivytown IIO RAS'
86	pci0:128:5:4(ioapic1), class=interrupt controller, vendor='Intel Corporation', device='Ivytown IOAPIC'
87	pci0:255:8:0(none63), class=base peripheral, vendor='Intel Corporation', device='Ivytown QPI Link 0'
88	pci0:255:9:0(none64), class=base peripheral, vendor='Intel Corporation', device='Ivytown QPI Link 1'
89	pci0:255:10:0(none65), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 0'
90	pci0:255:10:1(none66), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 1'
91	pci0:255:10:2(none67), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 2'

92	pci0:255:10:3(none68), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 3'
93	pci0:255:10:4(none69), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 4'
94	pci0:255:11:0(none70), class=base peripheral, vendor='Intel Corporation', device='Ivytown Semaphore and Scratchpad Configuration Registers'
95	pci0:255:11:3(none71), class=base peripheral, vendor='Intel Corporation', device='Ivytown Semaphore and Scratchpad Configuration Registers'
96	pci0:255:12:0(none72), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
97	pci0:255:12:1(none73), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
98	pci0:255:12:2(none74), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
99	pci0:255:13:0(none75), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
100	pci0:255:13:1(none76), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
101	pci0:255:13:2(none77), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
102	pci0:255:14:0(none78), class=base peripheral, vendor='Intel Corporation', device='Ivytown Home Agent 0'
103	pci0:255:14:1(none79), class=dasp, vendor='Intel Corporation', device='Ivytown Home Agent 0'
104	pci0:255:15:0(none80), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Target Address/Thermal Registers'
105	pci0:255:15:1(none81), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 RAS Registers'
106	pci0:255:15:2(none82), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
107	pci0:255:15:3(none83), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
108	pci0:255:15:4(none84), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
109	pci0:255:15:5(none85), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
110	pci0:255:16:0(none86), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 0'
111	pci0:255:16:1(none87), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 1'
112	pci0:255:16:2(none88), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 0'
113	pci0:255:16:3(none89), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 1'
114	pci0:255:16:4(none90), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 2'
115	pci0:255:16:5(none91), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 3'
116	pci0:255:16:6(none92), class=base peripheral, vendor='Intel Corporation', device=
117	pci0:255:16:7(none93), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 2'
118	pci0:255:19:0(none94), class=base peripheral, vendor='Intel Corporation', device='Ivytown R2PCIe'
119	pci0:255:19:1(none95), class=dasp, vendor='Intel Corporation', device='Ivytown PCI Express Ring Performance Monitoring'
120	pci0:255:19:4(none96), class=base peripheral, vendor='Intel Corporation', device='Ivytown QPI Ring Registers'
121	pci0:255:19:5(none97), class=dasp, vendor='Intel Corporation', device='Ivytown QPI Ring Performance Ring Monitoring'
122	pci0:255:22:0(none98), class=base peripheral, vendor='Intel Corporation', device='Ivytown System Address Decoder'
123	pci0:255:22:1(none99), class=base peripheral, vendor='Intel Corporation', device='Ivytown Broadcast Registers'
124	pci0:255:22:2(none100), class=base peripheral, vendor='Intel Corporation', device='Ivytown Broadcast Registers'





## 動作検証レポート 詳細データ

## 詳細データ

### カーネル環境変数データ詳細一覧

```
LINES="24"
bootfile="kernel"
comconsole_pcidv=""
comconsole_port="1016"
comconsole_speed="9600"
console="vidconsole"
currdev="disk0p2:"
hint.acpi.0.oem="ALASKA"
hint.acpi.0.revision="2"
hint.acpi.0.rsdv="0x000f0490"
hint.acpi.0.rsdt="0x7dbbc028"
hint.acpi.0.xsdt="0x00000007dbbc080"
hint.acpi.0.xsdt_length="36"
hint.atkbd.0.at="atkbd"
hint.atkbd.0.irq="1"
hint.atkbd.0.at="isa"
hint.atkbd.0.port="0x060"
hint.atrtc.0.at="isa"
hint.atrtc.0.irq="8"
hint.atrtc.0.port="0x70"
hint.attimer.0.at="isa"
hint.attimer.0.irq="0"
hint.attimer.0.port="0x40"
hint.fd.0.at="fdc0"
hint.fd.0.drive="0"
hint.fd.1.at="fdc0"
hint.fd.1.drive="1"
hint.fdc.0.at="isa"
hint.fdc.0.drq="2"
hint.fdc.0.irq="6"
hint.fdc.0.port="0x3f0"
hint.ppc.0.at="isa"
hint.ppc.0.irq="7"
hint.psm.0.at="atkbd"
hint.psm.0.irq="12"
hint.sc.0.at="isa"
hint.sc.0.flags="0x100"
hint.uart.0.at="isa"
hint.uart.0.flags="0x10"
hint.uart.0.irq="4"
hint.uart.0.port="0x3f8"
hint.uart.1.at="isa"
hint.uart.1.irq="3"
hint.uart.1.port="0x2f8"
hint.wbwd.0.at="isa"
interpret="OK"
kernel="kernel"
kernel[0]="kernel"
kernel[1]="kernel.old"
kernel_options=""
kernelname="/boot/kernel/kernel"
loaddev="disk0p2:"
loader_conf_files="/boot/device.hints /boot/loader.conf /boot/loader.conf.local"
mac_ifoff="NO"
module_path="/boot/kernel;/boot/modules"
smbios.bios.reldate="11/12/2013"
smbios.bios.vendor="American Megatrends Inc."
smbios.bios.version="4.6.0006"
smbios.chassis.maker="NEC"
smbios.chassis.serial="01"
smbios.chassis.tag=""
smbios.chassis.version="856-857626-002"
smbios.memory.enabled="16777216"
smbios.planar.maker="GIGABYTE"
smbios.planar.product="GA-7PPSV-NJ-20"
smbios.planar.serial="EM155500234"
smbios.planar.version="2.0A"
smbios.socket.enabled="2"
smbios.socket.populated="2"
smbios.system.maker="NEC"
smbios.system.product="Express5800/R120e-1E [N8100-2124Y]"
smbios.system.serial="4300153"
smbios.system.uuid="00f6e1d9-09a5-e311-8001-74d43567f3cb"
smbios.system.version="FR1.1"
smbios.version="2.7"
temp_options=""
vfs.root.mountfrom="ufs:/dev/mfid0p2"
vfs.root.mountfrom.options="rw"
```



# カーネルステートデータ詳細一覧

```
kern.ostype: FreeBSD
kern.osrelease: 10.0-STABLE
kern.osrevision: 199506
kern.version: FreeBSD 10.0-STABLE #0 r262915: Sat Mar  8 03:13:32 UTC 2014
  root@grind.freebsd.org:/usr/obj/usr/src/sys/GENERIC
kern.maxvnodes: 348680
kern.maxproc: 21684
kern.maxfiles: 521560
kern.argmax: 262144
kern.securelevel: -1
kern.hostname: R120e-1E.bsdconsulting.co.jp
kern.hostid: 4033104169
kern.clockrate: { hz = 1000, tick = 1000, profhz = 8128, stathz = 127 }
kern.posix1version: 200112
kern.ngroups: 1023
kern.job_control: 1
kern.saved_ids: 0
kern.boottime: { sec = 1397880117, usec = 26568 } Sat Apr 19 13:01:57 2014
kern.domainname:
kern.osreldate: 1000704
kern.bootfile: /boot/kernel/kernel
kern.maxfilesperproc: 469404
kern.maxprocperuid: 19515
kern.ipc.maxsockbuf: 2097152
kern.ipc.sockbuf_waste_factor: 8
kern.ipc.max_linkhdr: 16
kern.ipc.max_protohdr: 60
kern.ipc.max_hdr: 76
kern.ipc.max_datalen: 92
kern.ipc.maxmbufmem: 8299114496
kern.ipc.nmbclusters: 1013076
kern.ipc.nmbjumbo: 506537
kern.ipc.nmbjumbo9: 450255
kern.ipc.nmbjumbo16: 337688
kern.ipc.nmbufs: 6483690
kern.ipc.maxpipekva: 267038720
kern.ipc.pipekva: 20480
kern.ipc.pipefragretry: 0
kern.ipc.pipeallocfail: 0
kern.ipc.piperesizefail: 0
kern.ipc.piperesizeallowed: 1
kern.ipc.msgmax: 16384
kern.ipc.msgmni: 40
kern.ipc.msgmnb: 2048
kern.ipc.msgql: 40
kern.ipc.msgssz: 8
kern.ipc.msgseg: 2048
kern.ipc.semnni: 50
kern.ipc.semns: 340
kern.ipc.semnu: 150
kern.ipc.semns1: 340
kern.ipc.semopm: 100
kern.ipc.semume: 50
kern.ipc.semusz: 632
kern.ipc.semvmx: 32767
kern.ipc.semaem: 16384
kern.ipc.shmmax: 536870912
kern.ipc.shmmin: 1
kern.ipc.shmni: 192
kern.ipc.shmseg: 128
kern.ipc.shmall: 131072
kern.ipc.shm_use_phys: 0
kern.ipc.shm_allow_removed: 0
kern.ipc.soacceptqueue: 128
kern.ipc.numopensockets: 22
kern.ipc.maxsockets: 521560
kern.ipc.sendfile.readahead: 1
kern.dummy: 0
kern.ps_strings: 140737488351200
kern.usrstack: 140737488351232
kern.logsigexit: 1
kern.iov_max: 1024
kern.hostuuid: 00f6e1d9-09a5-e311-8001-74d43567f3cb
kern.cam.sort_io_queues: 1
kern.cam.boot_delay: 0
kern.cam.num_doneqs: 5
kern.cam.dflags: 0
kern.cam.debug_delay: 0
kern.cam.pmp.retry_count: 1
kern.cam.pmp.default_timeout: 30
kern.cam.pmp.hide_special: 1
kern.cam.cam_srch_hi: 0
kern.cam.scsi_delay: 5000
kern.cam.cd.changer.min_busy_seconds: 5
kern.cam.cd.changer.max_busy_seconds: 15
kern.cam.cd.poll_period: 3
kern.cam.cd.retry_count: 4
kern.cam.cd.timeout: 30000
kern.cam.cd.0.minimum_cmd_size: 6
kern.cam.ada.legacy_aliases: 1
kern.cam.ada.retry_count: 4
kern.cam.ada.default_timeout: 30
kern.cam.ada.send_ordered: 1
kern.cam.ada.spindown_shutdown: 1
kern.cam.ada.spindown_suspend: 1
kern.cam.ada.read_ahead: 1
kern.cam.ada.write_cache: 1
kern.cam.da.poll_period: 3
kern.cam.da.retry_count: 4
kern.cam.da.default_timeout: 60
kern.cam.da.send_ordered: 1
kern.cam.da.0.delete_method: NONE
kern.cam.da.0.delete_max: 65536
kern.cam.da.0.minimum_cmd_size: 10
```

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kern.cam.da.0.sort_io_queue: -1
kern.cam.da.0.error_inject: 0
kern.cam.enc.emulate_array_devices: 1
kern.random.adaptors: yarrow,dummy
kern.random.active_adaptor: yarrow
kern.random.live_entropy_sources: Hardware, Intel IvyBridge+ RNG
kern.random.yarrow.gengateinterval: 10
kern.random.yarrow.bins: 10
kern.random.yarrow.fastthresh: 96
kern.random.yarrow.slowthresh: 128
kern.random.yarrow.slowoverthresh: 2
kern.random.sys.seeded: 1
kern.random.sys.harvest.ethernet: 1
kern.random.sys.harvest.point_to_point: 1
kern.random.sys.harvest.interrupt: 1
kern.random.sys.harvest.swi: 1
kern.disks: da0 cd0 mfid0
kern.geom.dev.delete_max_sectors: 262144
kern.geom.disk.mfid0.led:
kern.geom.disk.cd0.led:
kern.geom.disk.da0.led:
kern.geom.transient_maps: 1284
kern.geom.transient_map_retries: 10
kern.geom.transient_map_hard_failures: 0
kern.geom.transient_map_soft_failures: 0
kern.geom.inflight_transient_maps: 0
kern.geom.confxml: <mesh>
kern.geom.confdot: digraph geom {
kern.geom.confctx: 0 DISK da0 15504900096 512 hd 255 sc 63
kern.geom.debugflags: 0
kern.geom.notaste: 0
kern.geom.collectstats: 1
kern.geom.label.debug: 0
kern.geom.label.ext2fs.enable: 1
kern.geom.label.iso9660.enable: 1
kern.geom.label.msdosfs.enable: 1
kern.geom.label.ntfs.enable: 1
kern.geom.label.reiserfs.enable: 1
kern.geom.label.ufsid.enable: 1
kern.geom.label.ufs.enable: 1
kern.geom.label.gpt.enable: 1
kern.geom.label.gptid.enable: 1
kern.geom.label.disk_ident.enable: 1
kern.geom.part.check_integrity: 1
kern.geom.raid.enable: 1
kern.geom.raid.aggressive_spare: 0
kern.geom.raid.debug: 0
kern.geom.raid.read_err_thresh: 10
kern.geom.raid.start_timeout: 30
kern.geom.raid.clean_time: 5
kern.geom.raid.disconnect_on_failure: 1
kern.geom.raid.name_format: 0
kern.geom.raid.idle_threshold: 1000000
kern.geom.raid.legacy_aliases: 1
kern.geom.raid.ddf.enable: 1
kern.geom.raid.intel.enable: 1
kern.geom.raid.jmicron.enable: 1
kern.geom.raid.nvidia.enable: 1
kern.geom.raid.promise.enable: 1
kern.geom.raid.sii.enable: 1
kern.geom.raid.concat.enable: 1
kern.geom.raid.raid0.enable: 1
kern.geom.raid.raid1.rebuild_slab_size: 1048576
kern.geom.raid.raid1.rebuild_fair_io: 20
kern.geom.raid.raid1.rebuild_cluster_idle: 100
kern.geom.raid.raid1.rebuild_meta_update: 1024
kern.geom.raid.raid1.enable: 1
kern.geom.raid.raidie.rebuild_slab_size: 1048576
kern.geom.raid.raidie.rebuild_fair_io: 20
kern.geom.raid.raidie.rebuild_cluster_idle: 100
kern.geom.raid.raidie.rebuild_meta_update: 1024
kern.geom.raid.raidie.enable: 1
kern.geom.raid.raid5.enable: 1
kern.elf64.fallback_brand: -1
kern.elf64.nxstack: 1
kern.elf32.fallback_brand: -1
kern.elf32.nxstack: 1
kern.elf32.read_exec: 0
kern.init_path: /sbin/init:/sbin/oinit:/sbin/init.bak:/rescue/init
kern.init_shutdown_timeout: 120
kern.acct_suspend: 2
kern.acct_resume: 4
kern.acct_chkfreg: 15
kern.acct_configured: 0
kern.acct_suspended: 0
kern.cp_time: 743 1 3646 1296 20368317
kern.cp_times: 30 0 555 808 847932 25 0 141 2 848731 24 1 133 0 848741 29 0 127 2 848741 37 0 84 171 848607 44 0 84 88 848685 15 0 88 93 848703 24 0 117 6 848752 94 0
136 0 848669 18 0 130 1 848750 44 0 179 0 848676 22 0 151 0 848726 18 0 170 7 848704 13 0 120 12 848754 41 0 161 6 848691 21 0 166 10 848702 28 0 108 16 848747 13 0 108
6 848772 26 0 117 13 848743 27 0 155 11 848706 44 0 127 16 848712 28 0 117 11 848743 16 0 122 10 848751 63 0 250 7 848579
kern.console: ttyv0,/ttyv0,uart,
kern.consmute: 0
kern.consmgbuf_size: 8192
kern.constty_wakeups_per_second: 5
kern.openfiles: 72
kern.eventtimer.et.LAPIC.flags: 7
kern.eventtimer.et.LAPIC.frequency: 49880829
kern.eventtimer.et.LAPIC.quality: 600
kern.eventtimer.et.i8254.flags: 1
kern.eventtimer.et.i8254.frequency: 1193182
kern.eventtimer.et.i8254.quality: 100
kern.eventtimer.et.RTC.flags: 17
kern.eventtimer.et.RTC.frequency: 32768
kern.eventtimer.et.RTC.quality: 0
kern.eventtimer.et.HPET.flags: 3
kern.eventtimer.et.HPET.frequency: 14318180
kern.eventtimer.et.HPET.quality: 350
kern.eventtimer.et.HPET1.flags: 3
kern.eventtimer.et.HPET1.frequency: 14318180
kern.eventtimer.et.HPET1.quality: 340

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kern.eventtimer.et.HPET2.flags: 3
kern.eventtimer.et.HPET2.frequency: 14318180
kern.eventtimer.et.HPET2.quality: 340
kern.eventtimer.et.HPET3.flags: 3
kern.eventtimer.et.HPET3.frequency: 14318180
kern.eventtimer.et.HPET3.quality: 340
kern.eventtimer.et.HPET4.flags: 3
kern.eventtimer.et.HPET4.frequency: 14318180
kern.eventtimer.et.HPET4.quality: 340
kern.eventtimer.et.HPET5.flags: 3
kern.eventtimer.et.HPET5.frequency: 14318180
kern.eventtimer.et.HPET5.quality: 340
kern.eventtimer.et.HPET6.flags: 3
kern.eventtimer.et.HPET6.frequency: 14318180
kern.eventtimer.et.HPET6.quality: 340
kern.eventtimer.et.HPET7.flags: 3
kern.eventtimer.et.HPET7.frequency: 14318180
kern.eventtimer.et.HPET7.quality: 340
kern.eventtimer.choice: LAPIC(600) HPET(350) HPET1(340) HPET2(340) HPET3(340) HPET4(340) HPET5(340) HPET6(340) HPET7(340) i8254(100) RTC(0)
kern.eventtimer.singlemul: 2
kern.eventtimer.idletick: 0
kern.eventtimer.timer: LAPIC
kern.eventtimer.periodic: 0
kern.kq_calloutmax: 4096
kern.stackprot: 7
kern.ps_arg_cache_limit: 256
kern.disallow_high_osrel: 0
kern.lastpid: 2149
kern.randompid: 0
kern.ktrace.genio_size: 4096
kern.ktrace.request_pool: 100
kern.module_path: /boot/kernel;/boot/modules
kern.malloc_count: 346
kern.ident: GENERIC
kern.compiler_version: FreeBSD clang version 3.3 (tags/RELEASE_33/final 183502) 20130610
kern.maxusers: 1354
kern.supported_archs: amd64 i386
kern.confxt: options CONFIG_AUTOGENERATED
kern.features.scbus: 1
kern.features.compat_freebsd_32bit: 1
kern.features.ata_cam: 1
kern.features.nfscl: 1
kern.features.nfsd: 1
kern.features.geom_label: 1
kern.features.geom_part_bsd: 1
kern.features.geom_part_ebr: 1
kern.features.geom_part_ebr_compat: 1
kern.features.geom_part_gpt: 1
kern.features.geom_part_mbr: 1
kern.features.kposix_priority_scheduling: 1
kern.features.kdtrace_hooks: 1
kern.features.ktrace: 1
kern.features.compat_freebsd4: 1
kern.features.compat_freebsd5: 1
kern.features.compat_freebsd6: 1
kern.features.compat_freebsd7: 1
kern.features.hwpmc_hooks: 1
kern.features.stack: 1
kern.features.security_capability_mode: 1
kern.features.security_capabilities: 1
kern.features.process_descriptors: 1
kern.features.sysv_msg: 1
kern.features.sysv_sem: 1
kern.features.sysv_shm: 1
kern.features.posix_shm: 1
kern.features.inet: 1
kern.features.inet6: 1
kern.features.audit: 1
kern.features.security_mac: 1
kern.features.ffmpeg_snapshot: 1
kern.features.softupdates: 1
kern.features.ufs_acl: 1
kern.features.ufs_gjournal: 1
kern.features.ufs_quota: 1
kern.features.ufs_quota64: 1
kern.pid_max: 99999
kern.fallback_elf_brand: -1
kern.hwpmc.softevents: 16
kern.kstack_pages: 4
kern.panic_reboot_wait_time: 15
kern.sync_on_panic: 0
kern.shutdown.show_busybufs: 0
kern.shutdown.poweroff_delay: 5000
kern.shutdown.kproc_shutdown_wait: 60
kern.shutdown.dumpdevname: mfid0p3
kern.forcesigexit: 1
kern.sigqueue.max_pending_per_proc: 128
kern.sigqueue.preallocate: 1024
kern.sigqueue.overflow: 0
kern.sigqueue.alloc_fail: 0
kern.sugid_coredump: 0
kern.capmode_coredump: 0
kern.coredump: 1
kern.nodump_coredump: 0
kern.corefile: %N.core
kern.fscale: 2048
kern.timecounter.tc.i8254.mask: 65535
kern.timecounter.tc.i8254.counter: 15766
kern.timecounter.tc.i8254.frequency: 1193182
kern.timecounter.tc.i8254.quality: 0
kern.timecounter.tc.HPET.mask: 4294967295
kern.timecounter.tc.HPET.counter: 1349449767
kern.timecounter.tc.HPET.frequency: 14318180
kern.timecounter.tc.HPET.quality: 950
kern.timecounter.tc.ACPI-fast.mask: 16777215
kern.timecounter.tc.ACPI-fast.counter: 1442912
kern.timecounter.tc.ACPI-fast.frequency: 3579545
kern.timecounter.tc.ACPI-fast.quality: 900
kern.timecounter.tc.TSC-low.mask: 4294967295

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kern.timecounter.tc.TSC-low.counter: 2771308736
kern.timecounter.tc.TSC-low.frequency: 1097377884
kern.timecounter.tc.TSC-low.quality: 1000
kern.timecounter.stepwarnings: 0
kern.timecounter.alloweddeviation: 5
kern.timecounter.hardware: TSC-low
kern.timecounter.choice: TSC-low(1000) ACPI-fast(900) HPET(950) i8254(0) dummy(-1000000)
kern.timecounter.tick: 1
kern.timecounter.fast_gettime: 1
kern.timecounter.invariant_tsc: 1
kern.timecounter.smp_tsc: 1
kern.timecounter.smp_tsc_adjust: 0
kern.timecounter.tsc_shift: 1
kern.threads.max_threads_per_proc: 1500
kern.threads.max_threads_hits: 0
kern.ncallout: 18508
kern.callout_stat: 0
kern.sched.cpusetsize: 8
kern.sched.preemption: 1
kern.sched.name: ULE
kern.sched.quantum: 94488
kern.sched.slice: 12
kern.sched.interact: 30
kern.sched.preempt_thresh: 80
kern.sched.static_boost: 152
kern.sched.idlespins: 10000
kern.sched.idlespinthresh: 157
kern.sched.affinity: 1
kern.sched.balance: 1
kern.sched.balance_interval: 127
kern.sched.steal_idle: 1
kern.sched.steal_thresh: 2
kern.sched.topology_spec: <groups>
kern.cpu: 0
kern.devstat.numdevs: 5
kern.devstat.generation: 172
kern.devstat.version: 6
kern.hintmode: 0
kern.kobj_methodcount: 229
kern.log_wakeups_per_second: 5
kern.msgbuf_show_timestamp: 0
kern.hz: 1000
kern.nbuf: 104976
kern.nswbuf: 256
kern.msgbufsize: 98304
kern.maxswzone: 0
kern.maxbcache: 0
kern.bio_transient_maxcnt: 1024
kern.maxtsiz: 134217728
kern.dfltsiz: 34359738368
kern.maxdsiz: 34359738368
kern.dflssiz: 8388608
kern.maxssiz: 536870912
kern.sgrowsiz: 131072
kern.vm_guest: none
kern.log_console_output: 1
kern.log_console_add_linefeed: 0
kern.always_console_output: 0
kern.msgbuf:
kern.msgbuf_clear: 0
kern.smp.maxid: 23
kern.smp.maxcpus: 64
kern.smp.active: 1
kern.smp.disabled: 0
kern.smp.cpus: 24
kern.smp.topology: 0
kern.smp.forward_signal_enabled: 1
kern.tty_inq_flush_secure: 1
kern.tty_nin: 108
kern.tty_nout: 7211
kern.filledelay: 30
kern.dirdelay: 29
kern.metadelay: 28
kern.mnvnodes: 87170
kern.chroot_allow_open_directories: 1
vm.vmtotal:
System wide totals computed every five seconds: (values in kilobytes)
Processes: (RUNQ: 1 Disk Wait: 0 Page Wait: 0 Sleep: 22)
Virtual Memory: (Total: 497648K Active: 473824K)
Real Memory: (Total: 136304K Active: 26976K)
Shared Virtual Memory: (Total: 16796K Active: 5796K)
Shared Real Memory: (Total: 5844K Active: 5352K)
Free Memory: 15952788K
vm.loadavg: { 0.05 0.01 0.00 }
vm.v_free_min: 25586
vm.v_free_target: 86366
vm.v_free_reserved: 5326
vm.v_inactive_target: 129549
vm.v_cache_min: 0
vm.v_cache_max: 0
vm.v_pageout_free_min: 34
vm.swap_enabled: 1
vm.md_malloc_wait: 0
vm.kmem_size: 16598228992
vm.kmem_size_min: 0
vm.kmem_size_max: 1319413950874
vm.kmem_size_scale: 1
vm.kmem_map_size: 33210368
vm.kmem_map_free: 16565018624
vm.swap_total: 4026494976
vm.swap_reserved: 264433664
vm.overcommit: 0
vm.swap_async_max: 4
vm.dmmx: 32
vm.nswapdev: 1
vm.zone_count: 100
vm.zone_warnings: 1
vm.kstack_cache_size: 128
vm.kstacks: 204

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vm.swap_idle_threshold1: 2
vm.swap_idle_threshold2: 10
vm.exec_map_entries: 16
vm.min_kernel_address: 18446741874686296064
vm.max_kernel_address: 18446744073709547520
vm.v_free_severe: 15456
vm.stats.sys.v_swch: 776779
vm.stats.sys.v_trap: 181121
vm.stats.sys.v_syscall: 270326
vm.stats.sys.v_intr: 38347
vm.stats.sys.v_soft: 133819
vm.stats.vm.v_vm_faults: 134596
vm.stats.vm.v_io_faults: 827
vm.stats.vm.v_cow_faults: 57835
vm.stats.vm.v_cow_optim: 358
vm.stats.vm.v_zfod: 55689
vm.stats.vm.v_ozfod: 0
vm.stats.vm.v_swapin: 0
vm.stats.vm.v_swapout: 0
vm.stats.vm.v_swappgsin: 0
vm.stats.vm.v_swappgsout: 0
vm.stats.vm.v_vnodein: 861
vm.stats.vm.v_vnodeout: 0
vm.stats.vm.v_vnodepgsin: 5606
vm.stats.vm.v_vnodepgsout: 0
vm.stats.vm.v_intrans: 0
vm.stats.vm.v_reactivated: 0
vm.stats.vm.v_pdwakeups: 0
vm.stats.vm.v_pdpages: 21680
vm.stats.vm.v_tcached: 1696
vm.stats.vm.v_dfree: 0
vm.stats.vm.v_pfree: 82283
vm.stats.vm.v_tfree: 331511
vm.stats.vm.v_page_size: 4096
vm.stats.vm.v_page_count: 4052302
vm.stats.vm.v_free_reserved: 5326
vm.stats.vm.v_free_target: 86366
vm.stats.vm.v_free_min: 25586
vm.stats.vm.v_free_count: 3986501
vm.stats.vm.v_wire_count: 55649
vm.stats.vm.v_active_count: 2603
vm.stats.vm.v_inactive_target: 129549
vm.stats.vm.v_inactive_count: 5759
vm.stats.vm.v_cache_count: 1696
vm.stats.vm.v_cache_min: 0
vm.stats.vm.v_cache_max: 0
vm.stats.vm.v_pageout_free_min: 34
vm.stats.vm.v_interrupt_free_min: 2
vm.stats.vm.v_forks: 1718
vm.stats.vm.v_vforks: 415
vm.stats.vm.v_rforks: 0
vm.stats.vm.v_kthreads: 16
vm.stats.vm.v_forkpages: 62475
vm.stats.vm.v_vforkpages: 14849
vm.stats.vm.v_rforkpages: 0
vm.stats.vm.v_kthreadpages: 0
vm.stats.misc.zero_page_count: 26
vm.stats.misc.cnt_prezero: 0
vm.stats.object.collapses: 5284
vm.stats.object.bypasses: 650
vm.old_mlock: 0
vm.old_msync: 0
vm.boot_pages: 64
vm.tryrelock_restart: 0
vm.pageout_wakeup_thresh: 28138
vm.max_laundry: 32
vm.pageout_update_period: 600
vm.lowmem_period: 10
vm.swap_idle_enabled: 0
vm.defer_swapspace_pageouts: 0
vm.disable_swapspace_pageouts: 0
vm.pageout_lock_miss: 0
vm.max_wired: 1336867
vm.phys_free:
DOMAIN 0:
FREE LIST 0:
FREE LIST 1:
vm.phys_segs:
SEGMENT 0:
start: 0x10000
end: 0x97000
domain: 0
free list: 0xffffffff814a3cb8
SEGMENT 1:
start: 0x100000
end: 0x200000
domain: 0
free list: 0xffffffff814a3cb8
SEGMENT 2:
start: 0x1841000
end: 0x7c17f000
domain: 0
free list: 0xffffffff814a3910
SEGMENT 3:
start: 0x100000000
end: 0x462a89000
domain: 0
free list: 0xffffffff814a3910
vm.ndomains: 1
vm.reserv.broken: 0
vm.reserv.freed: 7379
vm.reserv.partpopq:
-1: 161912K, 88
vm.reserv.reclaimed: 0
vm.idlezero_enable: 0
vm.pmap.pat_works: 1
vm.pmap.pg_ps_enabled: 1
vm.pmap.pcid_enabled: 0
vm.pmap.invpcid_works: 0

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vm.pmap.pcid_save_cnt: 0
vm.pmap.pde.demotions: 171
vm.pmap.pde.mappings: 0
vm.pmap.pde.p_failures: 86
vm.pmap.pde.promotions: 211
vm.pmap.pdpe.demotions: 3
vm.kvm_size: 2199023251456
vm.kvm_free: 2180182437888
vfs.ufs.dirhash_mntsize: 2560
vfs.ufs.dirhash_maxmem: 26865664
vfs.ufs.dirhash_mem: 52681
vfs.ufs.dirhash_dochck: 0
vfs.ufs.dirhash_lowmemcount: 0
vfs.ufs.dirhash_reclaimage: 60
vfs.ufs.rename_restarts: 0
vfs.nfs.downdelayinitial: 12
vfs.nfs.downdelayinterval: 30
vfs.nfs.bufpackets: 4
vfs.nfs.reconnects: 0
vfs.nfs.nfs3_jukebox_delay: 10
vfs.nfs.skip_wcc_data_onerr: 1
vfs.nfs.realign_test: 0
vfs.nfs.realign_count: 0
vfs.nfs.callback_addr:
vfs.nfs.debuglevel: 0
vfs.nfs.access_cache_timeout: 60
vfs.nfs.prime_access_cache: 0
vfs.nfs.commit_on_close: 0
vfs.nfs.clean_pages_on_close: 1
vfs.nfs.nfs_directio_enable: 0
vfs.nfs.nfs_keep_dirty_on_error: 0
vfs.nfs.nfs_directio_allow_mmap: 1
vfs.nfs.nfs_ip_paranoid: 1
vfs.nfs.diskless_valid: 0
vfs.nfs.diskless_rootpath:
vfs.nfs.iodmaxidle: 120
vfs.nfs.iodmin: 0
vfs.nfs.iodmax: 20
vfs.nfs.defect: 0
vfs.devfs.generation: 148
vfs.devfs.rule_depth: 1
vfs.nfsd.disable_checkutf8: 0
vfs.nfsd.nfs_privport: 0
vfs.nfsd.server_min_nfsvers: 2
vfs.nfsd.server_max_nfsvers: 4
vfs.nfsd.async: 0
vfs.nfsd.mirror_mnt: 1
vfs.nfsd.commit_blks: 0
vfs.nfsd.commit_miss: 0
vfs.nfsd.issue_delegations: 0
vfs.nfsd.enable_locallocks: 0
vfs.nfsd.tcphighwater: 0
vfs.nfsd.udphighwater: 500
vfs.nfsd.tpcachetimeo: 43200
vfs.nfsd.cachetcp: 1
vfs.nfsd.minthreads: 1
vfs.nfsd.maxthreads: 1
vfs.nfsd.threads: 0
vfs.nfsd.request_space_used: 0
vfs.nfsd.request_space_used_highest: 0
vfs.nfsd.request_space_high: 47185920
vfs.nfsd.request_space_low: 31457280
vfs.nfsd.request_space_throttled: 0
vfs.nfsd.request_space_throttle_count: 0
vfs.nfsd.fha.enable: 1
vfs.nfsd.fha.bin_shift: 22
vfs.nfsd.fha.max_nfsds_per_fh: 8
vfs.nfsd.fha.max_reqs_per_nfsd: 0
vfs.nfsd.fha.fhe_stats: No file handle entries.
vfs.pfs.trace: 0
vfs.pfs.vncache_entries: 0
vfs.pfs.vncache_maxentries: 0
vfs.pfs.vncache_hits: 0
vfs.pfs.vncache_misses: 0
vfs.acl_nfs4_old_semantics: 0
vfs.vmodirenable: 1
vfs.runningbufspace: 0
vfs.bufspace: 45760512
vfs.unmapped_bufspace: 37879808
vfs.maxbufspace: 1719926784
vfs.bufallocspace: 0
vfs.maxallocbufspace: 85963571
vfs.lobufspace: 1719205888
vfs.hibufspace: 1719271424
vfs.bufreuscnt: 1533
vfs.buffreekvacnt: 137
vfs.bufdefragcnt: 0
vfs.lorunningspace: 11206656
vfs.hirunningspace: 16777216
vfs.dirtybufferflushes: 0
vfs.bdwrteskip: 0
vfs.altbufferflushes: 0
vfs.recursiveflushes: 372
vfs.numdirtybuffers: 444
vfs.lodirtybuffers: 13132
vfs.hidirtybuffers: 26264
vfs.dirtybufthresh: 23637
vfs.numfreebuffers: 104530
vfs.lofreebuffers: 5837
vfs.hifreebuffers: 11674
vfs.getnewbufcalls: 1625
vfs.getnewbufrestarts: 0
vfs.mappingrestarts: 0
vfs.flushbufqtarget: 100
vfs.notbufdflushes: 0
vfs.barrierwrites: 4
vfs.unmapped_buf_allowed: 1
vfs.flushwithdeps: 0
vfs.ncnegfactor: 16

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vfs.ncsizefactor: 2  
vfs.cache.numneg: 42  
vfs.cache.numcache: 943  
vfs.cache.numcalls: 81429  
vfs.cache.dothits: 1193  
vfs.cache.dotdothits: 33  
vfs.cache.numchecks: 77399  
vfs.cache.nummiss: 2772  
vfs.cache.nummisszap: 43  
vfs.cache.numposzaps: 144  
vfs.cache.numposhits: 64776  
vfs.cache.numnegzaps: 450  
vfs.cache.numneghits: 12019  
vfs.cache.numupgrades: 6  
vfs.cache.numfullpathcalls: 65  
vfs.cache.numfullpathfail1: 0  
vfs.cache.numfullpathfail2: 0  
vfs.cache.numfullpathfail4: 0  
vfs.cache.numfullpathfound: 65  
vfs.write\_behind: 1  
vfs.read\_max: 64  
vfs.read\_min: 1  
vfs.typenumhash: 1  
vfs.lookup\_shared: 1  
vfs.usermount: 0  
vfs.numnodes: 1320  
vfs.wantfreevnodes: 87170  
vfs.freevnodes: 29  
vfs.vlru\_allow\_cache\_src: 0  
vfs.reassignbufcalls: 2909  
vfs.timestamp\_precision: 0  
vfs.worklist\_len: 397  
vfs.ffs.doasyncfree: 1  
vfs.ffs.doreallocblks: 1  
vfs.ffs.compute\_summary\_at\_mount: 0  
net.local.stream.sendspace: 8192  
net.local.stream.recvspace: 8192  
net.local.dgram.maxdgram: 2048  
net.local.dgram.recvspace: 4096  
net.local.seqpacket.maxseqpacket: 8192  
net.local.seqpacket.recvspace: 8192  
net.local.inflight: 0  
net.local.deferred: 0  
net.local.recycled: 0  
net.local.taskcount: 0  
net.inet.ip.portrange.lowfirst: 1023  
net.inet.ip.portrange.lowlast: 600  
net.inet.ip.portrange.first: 10000  
net.inet.ip.portrange.last: 65535  
net.inet.ip.portrange.hifirst: 49152  
net.inet.ip.portrange.hilast: 65535  
net.inet.ip.portrange.reservedhigh: 1023  
net.inet.ip.portrange.reservedlow: 0  
net.inet.ip.portrange.randomized: 1  
net.inet.ip.portrange.randomcps: 10  
net.inet.ip.portrange.randomtime: 45  
net.inet.ip.forwarding: 0  
net.inet.ip.redirect: 1  
net.inet.ip.ttl: 64  
net.inet.ip.rtxpire: 3600  
net.inet.ip.rtmnexpire: 10  
net.inet.ip.rtmxcache: 128  
net.inet.ip.sourceroute: 0  
net.inet.ip.intr\_queue\_maxlen: 256  
net.inet.ip.intr\_queue\_drops: 0  
net.inet.ip.accept\_sourceroute: 0  
net.inet.ip.keepfaith: 0  
net.inet.ip.gifttl: 30  
net.inet.ip.no\_same\_prefix: 0  
net.inet.ip.random\_id\_period: 8192  
net.inet.ip.random\_id\_collisions: 0  
net.inet.ip.random\_id\_total: 0  
net.inet.ip.mcast.maxgrpsrc: 512  
net.inet.ip.mcast.maxsocksrc: 128  
net.inet.ip.mcast.loop: 1  
net.inet.ip.fastforwarding: 0  
net.inet.ip.sendsourcequench: 0  
net.inet.ip.random\_id: 0  
net.inet.ip.check\_interface: 0  
net.inet.ip.fragspackets: 0  
net.inet.ip.maxfragsperpacket: 16  
net.inet.ip.maxfragspackets: 31658  
net.inet.ip.process\_options: 1  
net.inet.icmp.maskrepl: 0  
net.inet.icmp.icmplim: 200  
net.inet.icmp.icmplim\_output: 1  
net.inet.icmp.maskfake: 0  
net.inet.icmp.log\_redirect: 0  
net.inet.icmp.reply\_src: 0  
net.inet.icmp.reply\_from\_interface: 0  
net.inet.icmp.quotelen: 8  
net.inet.icmp.bmcastecho: 0  
net.inet.icmp.drop\_redirect: 0  
net.inet.igmp.recvfkludge: 1  
net.inet.igmp.sendra: 1  
net.inet.igmp.sendlocal: 1  
net.inet.igmp.v1enable: 1  
net.inet.igmp.v2enable: 1  
net.inet.igmp.legacysupp: 0  
net.inet.igmp.default\_version: 3  
net.inet.igmp.gsrdeley: 10  
net.inet.tcp.rfc1323: 1  
net.inet.tcp.mssdflt: 536  
net.inet.tcp.keepidle: 720000  
net.inet.tcp.keepintvl: 75000  
net.inet.tcp.sendspace: 32768  
net.inet.tcp.recvspace: 65536  
net.inet.tcp.keeptime: 75000  
net.inet.tcp.delacktime: 100

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net.inet.tcp.v6mssdflt: 1220
net.inet.tcp.cc.algorithm: newreno
net.inet.tcp.cc.available: newreno
net.inet.tcp.hostcache.cachelimit: 15360
net.inet.tcp.hostcache.hashsize: 512
net.inet.tcp.hostcache.bucketlimit: 30
net.inet.tcp.hostcache.count: 0
net.inet.tcp.hostcache.expire: 3600
net.inet.tcp.hostcache.prune: 300
net.inet.tcp.hostcache.purge: 0
net.inet.tcp.log_in_vain: 0
net.inet.tcp.blackhole: 0
net.inet.tcp.delayed_ack: 1
net.inet.tcp.drop_synfin: 0
net.inet.tcp.rfc3042: 1
net.inet.tcp.rfc3390: 1
net.inet.tcp.experimental.initswnd10: 1
net.inet.tcp.rfc3465: 1
net.inet.tcp.abc_l_var: 2
net.inet.tcp.ecn.enable: 0
net.inet.tcp.ecn.maxretries: 1
net.inet.tcp.insecure_rst: 0
net.inet.tcp.recvbuf_auto: 1
net.inet.tcp.recvbuf_inc: 16384
net.inet.tcp.recvbuf_max: 2097152
net.inet.tcp.path_mtu_discovery: 1
net.inet.tcp.tso: 1
net.inet.tcp.sendbuf_auto: 1
net.inet.tcp.sendbuf_inc: 8192
net.inet.tcp.sendbuf_max: 2097152
net.inet.tcp.reass.maxsegments: 63400
net.inet.tcp.reass.cursegments: 0
net.inet.tcp.reass.overflows: 0
net.inet.tcp.sack.enable: 1
net.inet.tcp.sack.maxholes: 128
net.inet.tcp.sack.globalmaxholes: 65536
net.inet.tcp.sack.globalholes: 0
net.inet.tcp.minmss: 216
net.inet.tcp.log_debug: 0
net.inet.tcp.tcbhashsize: 131072
net.inet.tcp.do_tcpdrain: 1
net.inet.tcp.pcbcount: 3
net.inet.tcp.icmp_may_rst: 1
net.inet.tcp.isn_reseed_interval: 0
net.inet.tcp.soreceive_stream: 0
net.inet.tcp.synccookies: 1
net.inet.tcp.synccookies_only: 0
net.inet.tcp.syncache.bucketlimit: 30
net.inet.tcp.syncache.cachelimit: 15375
net.inet.tcp.syncache.count: 0
net.inet.tcp.syncache.hashsize: 512
net.inet.tcp.syncache.rexmtlimit: 3
net.inet.tcp.syncache.rst_on_sock_fail: 1
net.inet.tcp.msl: 30000
net.inet.tcp.rexmit_min: 30
net.inet.tcp.rexmit_slop: 200
net.inet.tcp.always_keepalive: 1
net.inet.tcp.fast_finwait2_recycle: 0
net.inet.tcp.finwait2_timeout: 60000
net.inet.tcp.keepcnt: 8
net.inet.tcp.rexmit_drop_options: 0
net.inet.tcp.per_cpu_timers: 0
net.inet.tcp.timer_race: 0
net.inet.tcp.maxcptw: 27767
net.inet.tcp.nolocaltimewait: 0
net.inet.udp.checksum: 1
net.inet.udp.maxdgram: 9216
net.inet.udp.recvspace: 42080
net.inet.udp.log_in_vain: 0
net.inet.udp.blackhole: 0
net.inet.sctp.sendspace: 1864135
net.inet.sctp.recvspace: 1864135
net.inet.sctp.auto_asconf: 1
net.inet.sctp.ecn_enable: 1
net.inet.sctp.strict_sacks: 1
net.inet.sctp.peer_chkoh: 256
net.inet.sctp.maxburst: 4
net.inet.sctp.fr_maxburst: 4
net.inet.sctp.maxchunks: 126634
net.inet.sctp.tcbhashsize: 1024
net.inet.sctp.pcbhashsize: 256
net.inet.sctp.min_split_point: 2904
net.inet.sctp.chunkscale: 10
net.inet.sctp.delayed_sack_time: 200
net.inet.sctp.sack_freq: 2
net.inet.sctp.sys_resource: 1000
net.inet.sctp.asoc_resource: 10
net.inet.sctp.heartbeat_interval: 30000
net.inet.sctp.pmtu_raise_time: 600
net.inet.sctp.shutdown_guard_time: 180
net.inet.sctp.secret_lifetime: 3600
net.inet.sctp.rto_max: 60000
net.inet.sctp.rto_min: 1000
net.inet.sctp.rto_initial: 3000
net.inet.sctp.init_rto_max: 60000
net.inet.sctp.valid_cookie_life: 60000
net.inet.sctp.init_rtx_max: 8
net.inet.sctp.assoc_rtx_max: 10
net.inet.sctp.path_rtx_max: 5
net.inet.sctp.path_pf_threshold: 65535
net.inet.sctp.add_more_on_output: 1452
net.inet.sctp.incoming_streams: 2048
net.inet.sctp.outgoing_streams: 10
net.inet.sctp.cmt_on_off: 0
net.inet.sctp.nr_sack_on_off: 0
net.inet.sctp.cmt_use_dac: 0
net.inet.sctp.cwnd_maxburst: 1
net.inet.sctp.asconf_auth_nochk: 0
net.inet.sctp.auth_disable: 0
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net.inet.sctp.nat_friendly: 1
net.inet.sctp.abc_l_var: 2
net.inet.sctp.max_chained_mbufs: 5
net.inet.sctp.do_sctp_drain: 1
net.inet.sctp.hb_max_burst: 4
net.inet.sctp.abort_at_limit: 0
net.inet.sctp.strict_data_order: 0
net.inet.sctp.min_residual: 1452
net.inet.sctp.max_retran_chunk: 30
net.inet.sctp.log_level: 0
net.inet.sctp.default_cc_module: 0
net.inet.sctp.default_ss_module: 0
net.inet.sctp.default_frag_interleave: 1
net.inet.sctp.mobility_base: 0
net.inet.sctp.mobility_fasthandoff: 0
net.inet.sctp.udp_tunneling_port: 0
net.inet.sctp.enable_sack_immediately: 0
net.inet.sctp.nat_friendly_init: 0
net.inet.sctp.vtag_time_wait: 60
net.inet.sctp.buffer_splitting: 0
net.inet.sctp.initial_cwnd: 3
net.inet.sctp.rttvar_bw: 4
net.inet.sctp.rttvar_rtt: 5
net.inet.sctp.rttvar_eqret: 0
net.inet.sctp.rttvar_steady_step: 20
net.inet.sctp.use_dcceecn: 1
net.inet.sctp.blackhole: 0
net.inet.raw.maxdgram: 9216
net.inet.raw.recvspace: 9216
net.inet.accf.unloadable: 0
net.link.generic.system.ifcount: 5
net.link.ether.inet.max_age: 1200
net.link.ether.inet.maxtries: 5
net.link.ether.inet.useloopback: 1
net.link.ether.inet.proxyall: 0
net.link.ether.inet.wait: 20
net.link.ether.inet.maxhold: 1
net.link.ether.inet.log_arp_wrong_iface: 1
net.link.ether.inet.log_arp_movements: 1
net.link.ether.inet.log_arp_permanent_modify: 1
net.link.ether.inet.allow_multicast: 0
net.link.ether.inet.max_log_per_second: 1
net.link.vlan.soft_pad: 0
net.link.gif.max_nesting: 1
net.link.gif.parallel_tunnels: 0
net.link.ifqmaxlen: 50
net.link.log_link_state_change: 1
net.link.tun.devfs_cloning: 1
net.inet6.ip6.forwarding: 0
net.inet6.ip6.redirect: 1
net.inet6.ip6.hlim: 64
net.inet6.ip6.maxfraggpackets: 253269
net.inet6.ip6.accept_rtadv: 0
net.inet6.ip6.keepfaith: 0
net.inet6.ip6.log_interval: 5
net.inet6.ip6.hdrnestlimit: 15
net.inet6.ip6.dad_count: 1
net.inet6.ip6.auto_flowlabel: 1
net.inet6.ip6.defmcasthlim: 1
net.inet6.ip6.gifhlim: 30
net.inet6.ip6.kame_version: FreeBSD
net.inet6.ip6.use_deprecated: 1
net.inet6.ip6.rr_prune: 5
net.inet6.ip6.v6only: 1
net.inet6.ip6.rtmcache: 128
net.inet6.ip6.use_tempaddr: 0
net.inet6.ip6.templtime: 86400
net.inet6.ip6.tempvltime: 604800
net.inet6.ip6.auto_linklocal: 1
net.inet6.ip6.prefer_tempaddr: 0
net.inet6.ip6.use_defaultzone: 0
net.inet6.ip6.maxfrags: 253269
net.inet6.ip6.mcast_pmtu: 0
net.inet6.ip6.no_radr: 0
net.inet6.ip6.norbit_raif: 0
net.inet6.ip6.rfc6204w3: 0
net.inet6.ip6.mcast_maxgrpsrc: 512
net.inet6.ip6.mcast_maxsocksrc: 128
net.inet6.ip6.mcast_loop: 1
net.inet6.ip6.deembed_scopeid: 1
net.inet6.icmp6.rediraccept: 1
net.inet6.icmp6.redirtimeout: 600
net.inet6.icmp6.nd6_prune: 1
net.inet6.icmp6.nd6_delay: 5
net.inet6.icmp6.nd6_umaxtries: 3
net.inet6.icmp6.nd6_mmaxtries: 3
net.inet6.icmp6.nd6_useloopback: 1
net.inet6.icmp6.nodeinfo: 3
net.inet6.icmp6.errrpslimit: 100
net.inet6.icmp6.nd6_maxnudhint: 0
net.inet6.icmp6.nd6_debug: 0
net.inet6.icmp6.nd6_maxqueuelen: 1
net.inet6.icmp6.nodeinfo_oldmcprefix: 1
net.inet6.icmp6.nd6_onlink_ns_rfc4861: 0
net.inet6.mld.gsrdelay: 10
net.inet6.mld.v1enable: 1
net.inet6.mld.use_allow: 1
net.bpf.maxinsns: 512
net.bpf.zerocopy_enable: 0
net.bpf.optimize_writers: 0
net.bpf.bufsize: 4096
net.bpf.maxbufsize: 524288
net.ifdescr_maxlen: 1024
net.isr.dispatch: direct
net.isr.maxthreads: 1
net.isr.bindthreads: 0
net.isr.maxqlimit: 10240
net.isr.defaultqlimit: 256
net.isr.maxprot: 16

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net.isr.numthreads: 1
net.raw.sendspace: 8192
net.raw.recvspace: 8192
net.fibs: 1
net.add_addr_allfibs: 1
net.my_fibnum: 0
net.route.netisr_maxqlen: 256
net.wlan.nol_timeout: 1800
net.wlan.cac_timeout: 60
net.wlan.debug: 0
net.wlan.ampdu_age: 500
net.wlan.recv_bar: 1
net.wlan.addba_timeout: 250
net.wlan.addba_backoff: 10000
net.wlan.addba_maxtries: 3
net.wlan.hwmp.targetonly: 0
net.wlan.hwmp.pathlifetime: 5000
net.wlan.hwmp.maxpreq_retries: 3
net.wlan.hwmp.net_diameter_traversal_time: 512
net.wlan.hwmp.roottimeout: 5000
net.wlan.hwmp.rootint: 2000
net.wlan.hwmp.rannint: 1000
net.wlan.hwmp.rootconfint: 2000
net.wlan.hwmp.inact: 5000
net.wlan.mesh.gateint: 10000
net.wlan.mesh.retrytimeout: 40
net.wlan.mesh.holdingtimeout: 40
net.wlan.mesh.confirmttimeout: 40
net.wlan.mesh.backofftimeout: 5000
net.wlan.mesh.maxretries: 2
net.wlan.mesh.maxholding: 2
debug.acpi.acpi_ca_version: 20130823
debug.acpi.enable_debug_objects: 0
debug.acpi.interpreter_slack: 1
debug.acpi.reset_clock: 1
debug.acpi.suspend_bounce: 0
debug.acpi.cpu_unordered: 0
debug.acpi.ec.burst: 0
debug.acpi.ec.pollled: 0
debug.acpi.ec.timeout: 750
debug.acpi.batt.batt_sleep_ms: 0
debug.acpi.resume_beeper: 0
debug.ipw: 0
debug.iwi: 0
debug.mddebug: 0
debug.wpi: 0
debug.elf64_legacy_coredump: 0
debug.elf32_legacy_coredump: 0
debug.boothowto: 0
debug.bootverbose: 0
debug.cpubufreq.lowest: 0
debug.cpubufreq.verbose: 0
debug.fail_point.sysctl_running: off
debug.fail_point.buf_pressure: off
debug.fail_point.nlm_deny_grant: off
debug.sizeof.cdev: 288
debug.sizeof.cdev_priv: 376
debug.sizeof.g_class: 176
debug.sizeof.g_geom: 176
debug.sizeof.g_provider: 136
debug.sizeof.g_consumer: 96
debug.sizeof.g_bioq: 56
debug.sizeof.vnode: 472
debug.sizeof.proc: 1208
debug.sizeof.bio: 248
debug.sizeof.buf: 600
debug.sizeof.kinfo_proc: 1088
debug.sizeof.devstat: 288
debug.sizeof.namecache: 72
debug.adaptive_machine_arch: 1
debug.osd: 0
debug.rwlock.retry: 10
debug.rwlock.loops: 10000
debug.debugger_on_panic: 1
debug.trace_on_panic: 1
debug.ncores: 5
debug.sx.retries: 10
debug.sx.loops: 10000
debug.umtx.umtx_pi_allocated: 0
debug.clocktime: 0
debug.kdb.current:
debug.kdb.enter: 0
debug.kdb.panic: 0
debug.kdb.trap: 0
debug.kdb.trap_code: 0
debug.kdb.break_to_debugger: 0
debug.kdb.alt_break_to_debugger: 0
debug.rman_debug: 0
debug.iosize_max_clamp: 1
debug.devfs_iosize_max_clamp: 1
debug.nchash: 524287
debug.numneg: 42
debug.numcache: 943
debug.numcachehv: 98
debug.vfscache: 1
debug.disablecwd: 0
debug.disablefullpath: 0
debug.rush_requests: 0
debug.vnlru_nowhere: 0
debug.vn_io_fault_enable: 1
debug.vn_io_faults: 601
debug.if_tun_debug: 0
debug.nlm_debug: 0
debug.fsckcmds: 0
debug.dopersistence: 0
debug.snapdebug: 0
debug.collectsnapstats: 0
debug.softdep.total.pagedep: 104
debug.softdep.total.inodep: 611

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debug.softdep.total.bmsafemap: 525  
debug.softdep.total.newblk: 1131  
debug.softdep.total.allocdirect: 947  
debug.softdep.total.indirdep: 2  
debug.softdep.total.allocindir: 184  
debug.softdep.total.freefrag: 5  
debug.softdep.total.freeblks: 401  
debug.softdep.total.freefile: 50  
debug.softdep.total.diradd: 575  
debug.softdep.total.mkdir: 110  
debug.softdep.total.dirrem: 112  
debug.softdep.total.newdirblk: 55  
debug.softdep.total.freework: 401  
debug.softdep.total.freedep: 0  
debug.softdep.total.jaddrf: 685  
debug.softdep.total.jremref: 124  
debug.softdep.total.jmvref: 0  
debug.softdep.total.jnewblk: 1131  
debug.softdep.total.jfreeblk: 0  
debug.softdep.total.jfreefrag: 5  
debug.softdep.total.jseg: 43  
debug.softdep.total.jsegdep: 1945  
debug.softdep.total.sbdep: 46  
debug.softdep.total.jtrunc: 0  
debug.softdep.total.jfsync: 0  
debug.softdep.highuse.pagedep: 43  
debug.softdep.highuse.inodedep: 394  
debug.softdep.highuse.bmsafemap: 6  
debug.softdep.highuse.newblk: 1  
debug.softdep.highuse.allocdirect: 458  
debug.softdep.highuse.indirdep: 2  
debug.softdep.highuse.allocindir: 184  
debug.softdep.highuse.freefrag: 2  
debug.softdep.highuse.freeblks: 4  
debug.softdep.highuse.freefile: 2  
debug.softdep.highuse.diradd: 393  
debug.softdep.highuse.mkdir: 82  
debug.softdep.highuse.dirrem: 8  
debug.softdep.highuse.newdirblk: 41  
debug.softdep.highuse.freework: 4  
debug.softdep.highuse.freedep: 0  
debug.softdep.highuse.jaddrf: 393  
debug.softdep.highuse.jremref: 8  
debug.softdep.highuse.jmvref: 0  
debug.softdep.highuse.jnewblk: 577  
debug.softdep.highuse.jfreeblk: 0  
debug.softdep.highuse.jfreefrag: 1  
debug.softdep.highuse.jseg: 7  
debug.softdep.highuse.jsegdep: 1083  
debug.softdep.highuse.sbdep: 1  
debug.softdep.highuse.jtrunc: 0  
debug.softdep.highuse.jfsync: 0  
debug.softdep.current.pagedep: 43  
debug.softdep.current.inodedep: 393  
debug.softdep.current.bmsafemap: 1  
debug.softdep.current.newblk: 0  
debug.softdep.current.allocdirect: 424  
debug.softdep.current.indirdep: 2  
debug.softdep.current.allocindir: 184  
debug.softdep.current.freefrag: 2  
debug.softdep.current.freeblks: 0  
debug.softdep.current.freefile: 0  
debug.softdep.current.diradd: 393  
debug.softdep.current.mkdir: 42  
debug.softdep.current.dirrem: 0  
debug.softdep.current.newdirblk: 41  
debug.softdep.current.freework: 0  
debug.softdep.current.freedep: 0  
debug.softdep.current.jaddrf: 1  
debug.softdep.current.jremref: 0  
debug.softdep.current.jmvref: 0  
debug.softdep.current.jnewblk: 4  
debug.softdep.current.jfreeblk: 0  
debug.softdep.current.jfreefrag: 0  
debug.softdep.current.jseg: 4  
debug.softdep.current.jsegdep: 1003  
debug.softdep.current.sbdep: 0  
debug.softdep.current.jtrunc: 0  
debug.softdep.current.jfsync: 0  
debug.softdep.write.pagedep: 60  
debug.softdep.write.inodedep: 733  
debug.softdep.write.bmsafemap: 51  
debug.softdep.write.newblk: 0  
debug.softdep.write.allocdirect: 108  
debug.softdep.write.indirdep: 0  
debug.softdep.write.allocindir: 180  
debug.softdep.write.freefrag: 0  
debug.softdep.write.freeblks: 5  
debug.softdep.write.freefile: 0  
debug.softdep.write.diradd: 0  
debug.softdep.write.mkdir: 0  
debug.softdep.write.dirrem: 0  
debug.softdep.write.newdirblk: 0  
debug.softdep.write.freework: 0  
debug.softdep.write.freedep: 0  
debug.softdep.write.jaddrf: 0  
debug.softdep.write.jremref: 0  
debug.softdep.write.jmvref: 0  
debug.softdep.write.jnewblk: 0  
debug.softdep.write.jfreeblk: 0  
debug.softdep.write.jfreefrag: 0  
debug.softdep.write.jseg: 43  
debug.softdep.write.jsegdep: 6  
debug.softdep.write.sbdep: 46  
debug.softdep.write.jtrunc: 0  
debug.softdep.write.jfsync: 0  
debug.softdep.max\_softdeps: 1394720  
debug.softdep.tickdelay: 2  
debug.softdep.maxindirdeps: 50

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debug.softdep.softdep_mounts: 1
debug.softdep.worklist_push: 0
debug.softdep.blk_limit_push: 0
debug.softdep.ino_limit_push: 0
debug.softdep.blk_limit_hit: 0
debug.softdep.ino_limit_hit: 0
debug.softdep.sync_limit_hit: 0
debug.softdep.indir_blk_ptrs: 0
debug.softdep.inode_bitmap: 15
debug.softdep.direct_blk_ptrs: 15
debug.softdep.dir_entry: 5
debug.softdep.jaddref_rollback: 0
debug.softdep.jnewblk_rollback: 0
debug.softdep.journal_low: 0
debug.softdep.journal_min: 0
debug.softdep.journal_wait: 3
debug.softdep.jwait_filepage: 0
debug.softdep.jwait_freeblks: 0
debug.softdep.jwait_inode: 2
debug.softdep.jwait_newblk: 1
debug.softdep.cleanup_blkrequests: 0
debug.softdep.cleanup_inorequests: 0
debug.softdep.cleanup_high_delay: 0
debug.softdep.cleanup_retries: 0
debug.softdep.cleanup_failures: 0
debug.softdep.flushcache: 0
debug.bigcgs: 0
debug.dobkgrdwrite: 1
debug.dircheck: 0
debug.psm.loglevel: 0
debug.psm.hz: 20
debug.psm.errsecs: 2
debug.psm.errusecs: 0
debug.psm.secs: 0
debug.psm.usecs: 500000
debug.psm.pkterrthresh: 2
debug.vesa.shadow_ram: 0
debug.fdc.fifo: 8
debug.fdc.debugFlags: 0
debug.fdc.retries: 10
debug.fdc.spec1: 175
debug.fdc.spec2: 16
debug.fdc.settle: 0
debug.x86bios.call: 0
debug.x86bios.int: 0
debug.hwpstate_verbose: 0
debug.minidump: 1
hw.machine: amd64
hw.model: Intel(R) Xeon(R) CPU E5-2420 v2 @ 2.20GHz
hw.ncpu: 24
hw.byteorder: 1234
hw.physmem: 17090498560
hw.usermem: 16862535680
hw.pagesize: 4096
hw.floatingpoint: 1
hw.machine_arch: amd64
hw.realmem: 17179869184
hw.aac.enable_msi: 1
hw.amr.force_sg32: 0
hw.an.an_dump: off
hw.an.an_cache_mode: dbm
hw.an.an_cache_mcastonly: 0
hw.an.an_cache_iponly: 1
hw.ata.ata_dma_check_80pin: 1
hw.ath.longcal: 30
hw.ath.shortcal: 100
hw.ath.resetcal: 1200
hw.ath.anical: 100
hw.ath.rxbuf: 512
hw.ath.txbuf: 512
hw.ath.txbuf_mgmt: 32
hw.ath.bstuck: 4
hw.bce.verbose: 1
hw.bce.tso_enable: 1
hw.bce.msi_enable: 1
hw.bce.rx_pages: 2
hw.bce.tx_pages: 2
hw.bce.hdr_split: 1
hw.bce.strict_rx_mtu: 0
hw.bce.tx_quick_cons_trip_int: 20
hw.bce.tx_quick_cons_trip: 20
hw.bce.tx_ticks_int: 80
hw.bce.tx_ticks: 80
hw.bce.rx_quick_cons_trip_int: 6
hw.bce.rx_quick_cons_trip: 6
hw.bce.rx_ticks_int: 18
hw.bce.rx_ticks: 18
hw.bge.allow_asf: 1
hw.cardbus.debug: 0
hw.cardbus.cis_debug: 0
hw.cs.ignore_checksum_failure: 0
hw.cs.recv_delay: 570
hw.em.tx_int_delay: 66
hw.em.rx_int_delay: 0
hw.em.tx_obs_int_delay: 66
hw.em.rx_obs_int_delay: 66
hw.em.rxd: 1024
hw.em.txd: 1024
hw.em.smart_pwr_down: 0
hw.em.sbp: 0
hw.em.enable_msix: 1
hw.em.rx_process_limit: 100
hw.em.eee_setting: 1
hw.igb.rxd: 1024
hw.igb.txd: 1024
hw.igb.enable_aim: 1
hw.igb.enable_msix: 1
hw.igb.max_interrupt_rate: 8000
hw.igb.buf_ring_size: 4096
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hw.igb.header_split: 0
hw.igb.num_queues: 0
hw.igb.rx_process_limit: 100
hw.ix.enable_aim: 1
hw.ix.max_interrupt_rate: 31250
hw.ix.rx_process_limit: 256
hw.ix.tx_process_limit: 256
hw.ix.enable_msix: 1
hw.ix.num_queues: 0
hw.ix.txd: 2048
hw.ix.rxd: 2048
hw.malo.txcoalesce: 8
hw.malo.rxbuf: 256
hw.malo.rxquota: 256
hw.malo.txbuf: 256
hw.malo.pci.msi_disable: 0
hw.mfi.event_locale: 65535
hw.mfi.event_class: 0
hw.mfi.max_cmds: 128
hw.mfi.detect_jbod_change: 1
hw.mfi.polled_cmd_timeout: 60
hw.mfi.cmd_timeout: 30
hw.mfi.msi: 1
hw.mmc.debug: 0
hw.mwl.rxdesc: 256
hw.mwl.rxbuf: 640
hw.mwl.txbuf: 256
hw.mwl.txcoalesce: 8
hw.mwl.rxquota: 640
hw.mwl.rxdm_low: 3
hw.pccard.cis_debug: 0
hw.cbb.start_memory: 2281701376
hw.cbb.start_16_io: 256
hw.cbb.start_32_io: 4096
hw.cbb.debug: 0
hw.pci.intr_mask: 57016
hw.pci.pd6722_vsense: 1
hw.pci.enable_io_modes: 1
hw.pci.realloc_bars: 0
hw.pci.do_power_nodriver: 0
hw.pci.do_power_resume: 1
hw.pci.do_power_suspend: 1
hw.pci.enable_msi: 1
hw.pci.enable_msix: 1
hw.pci.honor_msi_blacklist: 1
hw.pci.usb_early_takeover: 1
hw.pci.clear_bars: 0
hw.pci.clear_pcb: 0
hw.pci.default_vgapci_unit: 0
hw.pci.mcfg: 1
hw.pci.host_mem_start: 2147483648
hw.sdhci.debug: 0
hw.sdhci_pci.debug: 0
hw.snd.report_soft_formats: 1
hw.snd.report_soft_matrix: 1
hw.snd.latency: 5
hw.snd.latency_profile: 1
hw.snd.vpc_autoreset: 1
hw.snd.vpc_0db: 45
hw.snd.vpc_reset: 0
hw.snd.compat_linux_rmap: 0
hw.snd.feeder_eq_presets: PEQ:16000,0.2500,62,0.2500:-9,9,1.0:44100,48000,88200,96000,176400,192000
hw.snd.feeder_eq_exact_rate: 0
hw.snd.feeder_rate_presets: 100:8:0.85 100:36:0.92 100:164:0.97
hw.snd.feeder_rate_polyphase_max: 183040
hw.snd.feeder_rate_min: 1
hw.snd.feeder_rate_max: 2016000
hw.snd.feeder_rate_round: 25
hw.snd.feeder_rate_quality: 1
hw.snd.vpc_mixer_bypass: 1
hw.snd.verbose: 0
hw.snd.default_auto: -1
hw.snd.version: 2009061500/amd64
hw.snd.default_unit: -1
hw.snd.maxautovchans: 16
hw.midi.stat.verbose: 0
hw.midi.debug: 0
hw.midi.dumpraw: 0
hw.midi.instrhoff: 0
hw.midi.seq.debug: 0
hw.syscons.saver.keyonly: 1
hw.syscons.bell: 1
hw.syscons.kbd_reboot: 1
hw.syscons.kbd_debug: 1
hw.syscons.sc_no_suspend_vtswitch: 0
hw.broken_txfifo: 0
hw.usb.ehci.debug: 0
hw.usb.ehci.no_hs: 0
hw.usb.ehci.iaadbug: 0
hw.usb.ehci.lostintrbug: 0
hw.usb.ohci.debug: 0
hw.usb.uhci.debug: 0
hw.usb.uhci.loop: 0
hw.usb.xhci.streams: 0
hw.usb.xhci.debug: 0
hw.usb.xhci.xhci_port_route: 0
hw.usb.xhci.use_polling: 0
hw.usb.ctrl.debug: 0
hw.usb.no_boot_wait: 0
hw.usb.no_suspend_wait: 0
hw.usb.no_shutdown_wait: 0
hw.usb.umass.debug: 0
hw.usb.umass.throttle: 0
hw.usb.debug: 0
hw.usb.timings.port_reset_delay: 50
hw.usb.timings.port_root_reset_delay: 250
hw.usb.timings.port_reset_recovery: 250
hw.usb.timings.port_powerup_delay: 300

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hw.usb.timings.port_resume_delay: 40
hw.usb.timings.set_address_settle: 10
hw.usb.timings.resume_delay: 250
hw.usb.timings.resume_wait: 50
hw.usb.timings.resume_recovery: 50
hw.usb.timings.extra_power_up_time: 20
hw.usb.dev.debug: 0
hw.usb.template: 0
hw.usb.usb_lang_id: 9
hw.usb.usb_lang_mask: 255
hw.usb.ugen.debug: 0
hw.usb.uhub.debug: 0
hw.usb.power_timeout: 30
hw.usb.proc.debug: 0
hw.usb.no_cs_fail: 0
hw.usb.full_ddesc: 0
hw.usb.ukbd.debug: 0
hw.usb.ukbd.no_leds: 0
hw.usb.ukbd.pollrate: 0
hw.usb.ums.debug: 0
hw.watchdog.wd_last_u: 0
hw.watchdog.wd_last_u_secs: 0
hw.wi.txerate: 0
hw.wi.debug: 0
hw.xe.debug: 0
hw.intr_storm_threshold: 1000
hw.availpages: 4172485
hw.pagesizes: 4096 2097152 0
hw.bus.devctl_disable: 0
hw.bus.devctl_queue: 1000
hw.clockrate: 2194
hw.instruction_sse: 1
hw.via_feature_rng: 0
hw.via_feature_xcrypt: 0
hw.psm.tap_enabled: -1
hw.psm.tap_threshold: 25
hw.psm.tap_timeout: 125000
hw.bxe.debug: 0
hw.bxe.interrupt_mode: 2
hw.bxe.queue_count: 4
hw.bxe.max_rx_bufs: 0
hw.bxe.hc_rx_ticks: 25
hw.bxe.hc_tx_ticks: 50
hw.bxe.rx_budget: -1
hw.bxe.max_aggregation_size: 0
hw.bxe.mrrs: -1
hw.bxe.autogreen: 0
hw.bxe.udp_rss: 0
hw.kbd.keymap_restrict_change: 0
hw.dmar.tbl_pagecnt: 0
hw.dmar.match_verbose: 0
hw.bsdma.total_bpages: 1294
hw.bsdma.zone0.total_bpages: 1294
hw.bsdma.zone0.free_bpages: 1293
hw.bsdma.zone0.reserved_bpages: 0
hw.bsdma.zone0.active_bpages: 1
hw.bsdma.zone0.total_bounced: 3114
hw.bsdma.zone0.total_deferred: 0
hw.bsdma.zone0.lowaddr: 0xffffffff
hw.bsdma.zone0.alignment: 4096
hw.apic.enable_extint: 0
hw.mca.enabled: 1
hw.mca.amd10h_L1TP: 1
hw.mca.erratum383: 0
hw.mca.count: 0
hw.mca.interval: 3600
hw.mca.force_scan: 0
hw.mca.cmc_throttle: 60
hw.acpi.supported_sleep_state: S1 S4 S5
hw.acpi.power_button_state: S5
hw.acpi.sleep_button_state: S1
hw.acpi.lid_switch_state: NONE
hw.acpi.standby_state: S1
hw.acpi.suspend_state: NONE
hw.acpi.sleep_delay: 1
hw.acpi.s4bios: 0
hw.acpi.verbose: 0
hw.acpi.disable_on_reboot: 0
hw.acpi.handle_reboot: 1
hw.acpi.reset_video: 0
hw.acpi.cpu.cx_lowest: C1
machdep.acpi_timer_freq: 3579545
machdep.enable_panic_key: 0
machdep.rtc_save_period: 1800
machdep.adjkerntz: -32400
machdep.wall_cmos_clock: 1
machdep.disable_rtc_set: 0
machdep.disable_mrrs: 0
machdep.idle_mwait: 1
machdep.idle_available: spin, mwait, hlt, acpi
machdep.idle: acpi
machdep.nkpt: 22
machdep.max_ldt_segment: 1024
machdep.kdb_on_nmi: 1
machdep.panic_on_nmi: 1
machdep.prot_fault_translation: 0
machdep.uprintf_signal: 0
machdep.acpi_root: 984208
machdep.i8254_freq: 1193182
machdep.disable_tsc: 0
machdep.disable_tsc_calibration: 0
machdep.tsc_freq: 2194755768
user.cs_path:
user.bc_base_max: 0
user.bc_dim_max: 0
user.bc_scale_max: 0
user.bc_string_max: 0
user.coll_weights_max: 0
user.expr_nest_max: 0

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user.line_max: 0
user.re_dup_max: 0
user.posix2_version: 0
user.posix2_c_bind: 0
user.posix2_c_dev: 0
user.posix2_char_term: 0
user.posix2_fort_dev: 0
user.posix2_fort_run: 0
user.posix2_localedef: 0
user.posix2_sw_dev: 0
user.posix2_upe: 0
user.stream_max: 0
user.tzname_max: 0
p1003_1b.asynchronous_io: 0
p1003_1b.mapped_files: 200112
p1003_1b.memlock: 0
p1003_1b.memlock_range: 0
p1003_1b.memory_protection: 0
p1003_1b.message_passing: 0
p1003_1b.prioritized_io: 0
p1003_1b.priority_scheduling: 200112
p1003_1b.realtime_signals: 200112
p1003_1b.semaphores: 0
p1003_1b.fsync: 200112
p1003_1b.shared_memory_objects: 200112
p1003_1b.synchronized_io: 0
p1003_1b.timers: 200112
p1003_1b.aio_listio_max: -1
p1003_1b.aio_max: -1
p1003_1b.aio_prio_delta_max: -1
p1003_1b.delaytimer_max: 2147483647
p1003_1b.mq_open_max: 0
p1003_1b.pagesize: 4096
p1003_1b.rtsig_max: 62
p1003_1b.sem_nsems_max: 0
p1003_1b.sem_value_max: 0
p1003_1b.sigqueue_max: 128
p1003_1b.timer_max: 32
compat.ia32.maxdsiz: 536870912
compat.ia32.maxssiz: 67108864
compat.ia32.maxvmem: 0
security.jail.jailed: 0
security.jail.vnet: 0
security.jail.jail_max_af_ips: 255
security.jail.set_hostname_allowed: 1
security.jail.socket_unixiproute_only: 1
security.jail.sysvipc_allowed: 0
security.jail.allow_raw_sockets: 0
security.jail.chflags_allowed: 0
security.jail.mount_allowed: 0
security.jail.mount_devfs_allowed: 0
security.jail.mount_nullfs_allowed: 0
security.jail.mount_procfs_allowed: 0
security.jail.mount_tmpfs_allowed: 0
security.jail.mount_zfs_allowed: 0
security.jail.enforce_starfs: 2
security.jail.devfs_ruleset: 0
security.jail.param.jid: 0
security.jail.param.parent: 0
security.jail.param.name: 256
security.jail.param.path: 1024
security.jail.param.securelevel: 0
security.jail.param.enforce_starfs: 0
security.jail.param.devfs_ruleset: 0
security.jail.param.persist: 0
security.jail.param.dying: 0
security.jail.param.children.cur: 0
security.jail.param.children.max: 0
security.jail.param.host.: 0
security.jail.param.host.hostname: 256
security.jail.param.host.domainname: 256
security.jail.param.host.hostuid: 64
security.jail.param.host.hostid: 0
security.jail.param.cpuset.id: 0
security.jail.param.ip4.: 0
security.jail.param.ip4.saddrsel: 0
security.jail.param.ip6.: 0
security.jail.param.ip6.saddrsel: 0
security.jail.param.allow.set_hostname: 0
security.jail.param.allow.sysvipc: 0
security.jail.param.allow.raw_sockets: 0
security.jail.param.allow.chflags: 0
security.jail.param.allow.quotas: 0
security.jail.param.allow.socket_af: 0
security.jail.param.allow.mount.: 0
security.jail.param.allow.mount.devfs: 0
security.jail.param.allow.mount.nullfs: 0
security.jail.param.allow.mount.procfs: 0
security.jail.param.allow.mount.tmpfs: 0
security.jail.param.allow.mount.zfs: 0
security.bsd.map_at_zero: 0
security.bsd.suser_enabled: 1
security.bsd.unprivileged_mlock: 1
security.bsd.see_other_uids: 1
security.bsd.see_other_gids: 1
security.bsd.conservative_signals: 1
security.bsd.unprivileged_proc_debug: 1
security.bsd.unprivileged_idprio: 0
security.bsd.unprivileged_read_msgbuf: 1
security.bsd.hardlink_check_uid: 0
security.bsd.hardlink_check_gid: 0
security.bsd.unprivileged_get_quota: 0
security.bsd.stack_guard_page: 0
security.mac.version: 4
security.mac.max_slots: 4
security.mac.labeled: 0
security.mac.mmap_revocation: 1
security.mac.mmap_revocation_via_cow: 0
dev.xen.balloon.current: 0

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dev.xen.balloon.target: 0
dev.xen.balloon.driver_pages: 0
dev.xen.balloon.hard_limit: 0
dev.xen.balloon.low_mem: 0
dev.xen.balloon.high_mem: 0
dev.xen.xsd_port: 0
dev.xen.xsd_kva: 0
dev.nexus.0.%driver: nexus
dev.nexus.0.%parent: root0
dev.ram.0.%desc: System RAM
dev.ram.0.%driver: ram
dev.ram.0.%parent: nexus0
dev.acpi.0.%desc: ALASKA 065D
dev.acpi.0.%driver: acpi
dev.acpi.0.%parent: nexus0
dev.acpi_sysresource.0.%desc: System Resource
dev.acpi_sysresource.0.%driver: acpi_sysresource
dev.acpi_sysresource.0.%location: handle=\_SB_.PCI0.IOH_
dev.acpi_sysresource.0.%npninfo: _HID=PNP0C01 _UID=10
dev.acpi_sysresource.0.%parent: acpi0
dev.acpi_sysresource.1.%desc: System Resource
dev.acpi_sysresource.1.%driver: acpi_sysresource
dev.acpi_sysresource.1.%location: handle=\_SB_.PCI0.VTDR
dev.acpi_sysresource.1.%npninfo: _HID=PNP0C02 _UID=4
dev.acpi_sysresource.1.%parent: acpi0
dev.acpi_sysresource.2.%desc: System Resource
dev.acpi_sysresource.2.%driver: acpi_sysresource
dev.acpi_sysresource.2.%location: handle=\_SB_.PCI0.PEX2.PPF1
dev.acpi_sysresource.2.%npninfo: _HID=PNP0C01 _UID=241
dev.acpi_sysresource.2.%parent: acpi0
dev.acpi_sysresource.3.%desc: System Resource
dev.acpi_sysresource.3.%driver: acpi_sysresource
dev.acpi_sysresource.3.%location: handle=\_SB_.PCI0.SBRG.SI01
dev.acpi_sysresource.3.%npninfo: _HID=PNP0C02 _UID=78
dev.acpi_sysresource.3.%parent: acpi0
dev.acpi_sysresource.4.%desc: System Resource
dev.acpi_sysresource.4.%driver: acpi_sysresource
dev.acpi_sysresource.4.%location: handle=\_SB_.PCI0.SBRG.RMSC
dev.acpi_sysresource.4.%npninfo: _HID=PNP0C02 _UID=16
dev.acpi_sysresource.4.%parent: acpi0
dev.acpi_sysresource.5.%desc: System Resource
dev.acpi_sysresource.5.%driver: acpi_sysresource
dev.acpi_sysresource.5.%location: handle=\_SB_.PCI0.SBRG.MBRD
dev.acpi_sysresource.5.%npninfo: _HID=PNP0C02 _UID=31
dev.acpi_sysresource.5.%parent: acpi0
dev.acpi_sysresource.6.%desc: System Resource
dev.acpi_sysresource.6.%driver: acpi_sysresource
dev.acpi_sysresource.6.%location: handle=\_SB_.PCI0.PCH_
dev.acpi_sysresource.6.%npninfo: _HID=PNP0C01 _UID=455
dev.acpi_sysresource.6.%parent: acpi0
dev.acpi_sysresource.7.%desc: System Resource
dev.acpi_sysresource.7.%driver: acpi_sysresource
dev.acpi_sysresource.7.%location: handle=\_SB_.PCI0.CWDT
dev.acpi_sysresource.7.%npninfo: _HID=INT3F0D _UID=0
dev.acpi_sysresource.7.%parent: acpi0
dev.acpi_sysresource.8.%desc: System Resource
dev.acpi_sysresource.8.%driver: acpi_sysresource
dev.acpi_sysresource.8.%location: handle=\_SB_.PCI1.IOH1
dev.acpi_sysresource.8.%npninfo: _HID=PNP0C01 _UID=0
dev.acpi_sysresource.8.%parent: acpi0
dev.acpi_sysresource.9.%desc: System Resource
dev.acpi_sysresource.9.%driver: acpi_sysresource
dev.acpi_sysresource.9.%location: handle=\_SB_.PCI1.VTDR
dev.acpi_sysresource.9.%npninfo: _HID=PNP0C02 _UID=5
dev.acpi_sysresource.9.%parent: acpi0
dev.acpi_sysresource.10.%desc: System Resource
dev.acpi_sysresource.10.%driver: acpi_sysresource
dev.acpi_sysresource.10.%location: handle=\_SB_.RMEM
dev.acpi_sysresource.10.%npninfo: _HID=PNP0C01 _UID=1
dev.acpi_sysresource.10.%parent: acpi0
dev.acpi_sysresource.11.%desc: System Resource
dev.acpi_sysresource.11.%driver: acpi_sysresource
dev.acpi_sysresource.11.%location: handle=\_OMSC
dev.acpi_sysresource.11.%npninfo: _HID=PNP0C02 _UID=3601
dev.acpi_sysresource.11.%parent: acpi0
dev.cpu.0.%desc: ACPI CPU
dev.cpu.0.%driver: cpu
dev.cpu.0.%location: handle=\_SB_.SCK0.C000
dev.cpu.0.%npninfo: _HID=ACPI0007 _UID=0
dev.cpu.0.%parent: acpi0
dev.cpu.0.freq: 1200
dev.cpu.0.freq_levels: 2201/80000 2200/80000 2100/75136 2000/70367 1900/66467 1800/61878 1700/58138 1600/53738 1500/50155 1400/45917 1300/42490 1200/38423 1050/33620
900/28817 750/24014 600/19211 450/14408 300/9605 150/4802
dev.cpu.0.cx_supported: C1/1/1 C2/2/41
dev.cpu.0.cx_lowest: C1
dev.cpu.0.cx_usage: 100.00% 0.00% last 18872us
dev.cpu.1.%desc: ACPI CPU
dev.cpu.1.%driver: cpu
dev.cpu.1.%location: handle=\_SB_.SCK0.C001
dev.cpu.1.%npninfo: _HID=ACPI0007 _UID=0
dev.cpu.1.%parent: acpi0
dev.cpu.1.cx_supported: C1/1/1 C2/2/41
dev.cpu.1.cx_lowest: C1
dev.cpu.1.cx_usage: 100.00% 0.00% last 36356us
dev.cpu.2.%desc: ACPI CPU
dev.cpu.2.%driver: cpu
dev.cpu.2.%location: handle=\_SB_.SCK0.C002
dev.cpu.2.%npninfo: _HID=ACPI0007 _UID=0
dev.cpu.2.%parent: acpi0
dev.cpu.2.cx_supported: C1/1/1 C2/2/41
dev.cpu.2.cx_lowest: C1
dev.cpu.2.cx_usage: 100.00% 0.00% last 39751us
dev.cpu.3.%desc: ACPI CPU
dev.cpu.3.%driver: cpu
dev.cpu.3.%location: handle=\_SB_.SCK0.C003
dev.cpu.3.%npninfo: _HID=ACPI0007 _UID=0
dev.cpu.3.%parent: acpi0
dev.cpu.3.cx_supported: C1/1/1 C2/2/41
dev.cpu.3.cx_lowest: C1

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dev.cpu.3.cx_usage: 100.00% 0.00% last 39769us
dev.cpu.4.%desc: ACPI CPU
dev.cpu.4.%driver: cpu
dev.cpu.4.%location: handle=\_SB_.SCK0.C004
dev.cpu.4.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.4.%parent: acpi0
dev.cpu.4.cx_supported: C1/1/1 C2/2/41
dev.cpu.4.cx_lowest: C1
dev.cpu.4.cx_usage: 100.00% 0.00% last 45640us
dev.cpu.5.%desc: ACPI CPU
dev.cpu.5.%driver: cpu
dev.cpu.5.%location: handle=\_SB_.SCK0.C005
dev.cpu.5.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.5.%parent: acpi0
dev.cpu.5.cx_supported: C1/1/1 C2/2/41
dev.cpu.5.cx_lowest: C1
dev.cpu.5.cx_usage: 100.00% 0.00% last 6230us
dev.cpu.6.%desc: ACPI CPU
dev.cpu.6.%driver: cpu
dev.cpu.6.%location: handle=\_SB_.SCK0.C006
dev.cpu.6.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.6.%parent: acpi0
dev.cpu.6.cx_supported: C1/1/1 C2/2/41
dev.cpu.6.cx_lowest: C1
dev.cpu.6.cx_usage: 100.00% 0.00% last 39713us
dev.cpu.7.%desc: ACPI CPU
dev.cpu.7.%driver: cpu
dev.cpu.7.%location: handle=\_SB_.SCK0.C007
dev.cpu.7.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.7.%parent: acpi0
dev.cpu.7.cx_supported: C1/1/1 C2/2/41
dev.cpu.7.cx_lowest: C1
dev.cpu.7.cx_usage: 100.00% 0.00% last 39687us
dev.cpu.8.%desc: ACPI CPU
dev.cpu.8.%driver: cpu
dev.cpu.8.%location: handle=\_SB_.SCK0.C008
dev.cpu.8.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.8.%parent: acpi0
dev.cpu.8.cx_supported: C1/1/1 C2/2/41
dev.cpu.8.cx_lowest: C1
dev.cpu.8.cx_usage: 100.00% 0.00% last 39685us
dev.cpu.9.%desc: ACPI CPU
dev.cpu.9.%driver: cpu
dev.cpu.9.%location: handle=\_SB_.SCK0.C009
dev.cpu.9.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.9.%parent: acpi0
dev.cpu.9.cx_supported: C1/1/1 C2/2/41
dev.cpu.9.cx_lowest: C1
dev.cpu.9.cx_usage: 100.00% 0.00% last 39681us
dev.cpu.10.%desc: ACPI CPU
dev.cpu.10.%driver: cpu
dev.cpu.10.%location: handle=\_SB_.SCK0.C00A
dev.cpu.10.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.10.%parent: acpi0
dev.cpu.10.cx_supported: C1/1/1 C2/2/41
dev.cpu.10.cx_lowest: C1
dev.cpu.10.cx_usage: 100.00% 0.00% last 39686us
dev.cpu.11.%desc: ACPI CPU
dev.cpu.11.%driver: cpu
dev.cpu.11.%location: handle=\_SB_.SCK0.C00B
dev.cpu.11.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.11.%parent: acpi0
dev.cpu.11.cx_supported: C1/1/1 C2/2/41
dev.cpu.11.cx_lowest: C1
dev.cpu.11.cx_usage: 100.00% 0.00% last 31143us
dev.cpu.12.%desc: ACPI CPU
dev.cpu.12.%driver: cpu
dev.cpu.12.%location: handle=\_SB_.SCK1.C100
dev.cpu.12.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.12.%parent: acpi0
dev.cpu.12.cx_supported: C1/1/1 C2/2/41
dev.cpu.12.cx_lowest: C1
dev.cpu.12.cx_usage: 100.00% 0.00% last 39639us
dev.cpu.13.%desc: ACPI CPU
dev.cpu.13.%driver: cpu
dev.cpu.13.%location: handle=\_SB_.SCK1.C101
dev.cpu.13.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.13.%parent: acpi0
dev.cpu.13.cx_supported: C1/1/1 C2/2/41
dev.cpu.13.cx_lowest: C1
dev.cpu.13.cx_usage: 100.00% 0.00% last 38616us
dev.cpu.14.%desc: ACPI CPU
dev.cpu.14.%driver: cpu
dev.cpu.14.%location: handle=\_SB_.SCK1.C102
dev.cpu.14.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.14.%parent: acpi0
dev.cpu.14.cx_supported: C1/1/1 C2/2/41
dev.cpu.14.cx_lowest: C1
dev.cpu.14.cx_usage: 100.00% 0.00% last 39646us
dev.cpu.15.%desc: ACPI CPU
dev.cpu.15.%driver: cpu
dev.cpu.15.%location: handle=\_SB_.SCK1.C103
dev.cpu.15.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.15.%parent: acpi0
dev.cpu.15.cx_supported: C1/1/1 C2/2/41
dev.cpu.15.cx_lowest: C1
dev.cpu.15.cx_usage: 100.00% 0.00% last 27089us
dev.cpu.16.%desc: ACPI CPU
dev.cpu.16.%driver: cpu
dev.cpu.16.%location: handle=\_SB_.SCK1.C104
dev.cpu.16.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.16.%parent: acpi0
dev.cpu.16.cx_supported: C1/1/1 C2/2/41
dev.cpu.16.cx_lowest: C1
dev.cpu.16.cx_usage: 100.00% 0.00% last 39626us
dev.cpu.17.%desc: ACPI CPU
dev.cpu.17.%driver: cpu
dev.cpu.17.%location: handle=\_SB_.SCK1.C105
dev.cpu.17.%pnpinfo: _HID=ACPI0007 _UID=0

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dev.cpu.17.%parent: acpi0
dev.cpu.17.cx_supported: C1/1/1 C2/2/41
dev.cpu.17.cx_lowest: C1
dev.cpu.17.cx_usage: 100.00% 0.00% last 39644us
dev.cpu.18.%desc: ACPI CPU
dev.cpu.18.%driver: cpu
dev.cpu.18.%location: handle=\SB_.SCK1.C106
dev.cpu.18.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.18.%parent: acpi0
dev.cpu.18.cx_supported: C1/1/1 C2/2/41
dev.cpu.18.cx_lowest: C1
dev.cpu.18.cx_usage: 100.00% 0.00% last 39619us
dev.cpu.19.%desc: ACPI CPU
dev.cpu.19.%driver: cpu
dev.cpu.19.%location: handle=\SB_.SCK1.C107
dev.cpu.19.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.19.%parent: acpi0
dev.cpu.19.cx_supported: C1/1/1 C2/2/41
dev.cpu.19.cx_lowest: C1
dev.cpu.19.cx_usage: 100.00% 0.00% last 39610us
dev.cpu.20.%desc: ACPI CPU
dev.cpu.20.%driver: cpu
dev.cpu.20.%location: handle=\SB_.SCK1.C108
dev.cpu.20.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.20.%parent: acpi0
dev.cpu.20.cx_supported: C1/1/1 C2/2/41
dev.cpu.20.cx_lowest: C1
dev.cpu.20.cx_usage: 100.00% 0.00% last 38433us
dev.cpu.21.%desc: ACPI CPU
dev.cpu.21.%driver: cpu
dev.cpu.21.%location: handle=\SB_.SCK1.C109
dev.cpu.21.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.21.%parent: acpi0
dev.cpu.21.cx_supported: C1/1/1 C2/2/41
dev.cpu.21.cx_lowest: C1
dev.cpu.21.cx_usage: 100.00% 0.00% last 39503us
dev.cpu.22.%desc: ACPI CPU
dev.cpu.22.%driver: cpu
dev.cpu.22.%location: handle=\SB_.SCK1.C10A
dev.cpu.22.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.22.%parent: acpi0
dev.cpu.22.cx_supported: C1/1/1 C2/2/41
dev.cpu.22.cx_lowest: C1
dev.cpu.22.cx_usage: 100.00% 0.00% last 35443us
dev.cpu.23.%desc: ACPI CPU
dev.cpu.23.%driver: cpu
dev.cpu.23.%location: handle=\SB_.SCK1.C10B
dev.cpu.23.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.23.%parent: acpi0
dev.cpu.23.cx_supported: C1/1/1 C2/2/41
dev.cpu.23.cx_lowest: C1
dev.cpu.23.cx_usage: 100.00% 0.00% last 28813us
dev.attimer.0.%desc: AT timer
dev.attimer.0.%driver: attimer
dev.attimer.0.%location: handle=\SB_.PCI0.SBRG.TMR_
dev.attimer.0.%pnpinfo: _HID=PNP0100 _UID=0
dev.attimer.0.%parent: acpi0
dev.atrtc.0.%desc: AT realtime clock
dev.atrtc.0.%driver: atrtc
dev.atrtc.0.%location: handle=\SB_.PCI0.SBRG.RTC0
dev.atrtc.0.%pnpinfo: _HID=PNP0B00 _UID=0
dev.atrtc.0.%parent: acpi0
dev.hpet.0.%desc: High Precision Event Timer
dev.hpet.0.%driver: hpet
dev.hpet.0.%location: handle=\SB_.PCI0.HPET
dev.hpet.0.%pnpinfo: _HID=PNP0103 _UID=0
dev.hpet.0.%parent: acpi0
dev.acpi_timer.0.%desc: 24-bit timer at 3.579545MHz
dev.acpi_timer.0.%driver: acpi_timer
dev.acpi_timer.0.%location: unknown
dev.acpi_timer.0.%pnpinfo: unknown
dev.acpi_timer.0.%parent: acpi0
dev.pci_link.0.%desc: ACPI PCI Link LNKA
dev.pci_link.0.%driver: pci_link
dev.pci_link.0.%location: handle=\SB_.LNKA
dev.pci_link.0.%pnpinfo: _HID=PNP0C0F _UID=1
dev.pci_link.0.%parent: acpi0
dev.pci_link.1.%desc: ACPI PCI Link LNKB
dev.pci_link.1.%driver: pci_link
dev.pci_link.1.%location: handle=\SB_.LNKB
dev.pci_link.1.%pnpinfo: _HID=PNP0C0F _UID=2
dev.pci_link.1.%parent: acpi0
dev.pci_link.2.%desc: ACPI PCI Link LNKC
dev.pci_link.2.%driver: pci_link
dev.pci_link.2.%location: handle=\SB_.LNKC
dev.pci_link.2.%pnpinfo: _HID=PNP0C0F _UID=3
dev.pci_link.2.%parent: acpi0
dev.pci_link.3.%desc: ACPI PCI Link LNKD
dev.pci_link.3.%driver: pci_link
dev.pci_link.3.%location: handle=\SB_.LNKD
dev.pci_link.3.%pnpinfo: _HID=PNP0C0F _UID=4
dev.pci_link.3.%parent: acpi0
dev.pci_link.4.%desc: ACPI PCI Link LNKE
dev.pci_link.4.%driver: pci_link
dev.pci_link.4.%location: handle=\SB_.LNKE
dev.pci_link.4.%pnpinfo: _HID=PNP0C0F _UID=5
dev.pci_link.4.%parent: acpi0
dev.pci_link.5.%desc: ACPI PCI Link LNKF
dev.pci_link.5.%driver: pci_link
dev.pci_link.5.%location: handle=\SB_.LNKF
dev.pci_link.5.%pnpinfo: _HID=PNP0C0F _UID=6
dev.pci_link.5.%parent: acpi0
dev.pci_link.6.%desc: ACPI PCI Link LNKG
dev.pci_link.6.%driver: pci_link
dev.pci_link.6.%location: handle=\SB_.LNKG
dev.pci_link.6.%pnpinfo: _HID=PNP0C0F _UID=7
dev.pci_link.6.%parent: acpi0
dev.pci_link.7.%desc: ACPI PCI Link LNKH
dev.pci_link.7.%driver: pci_link

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dev.pci_link.7.%location: handle=_SB_.LNKH
dev.pci_link.7.%pnpinfo: _HID=PNP0C0F _UID=8
dev.pci_link.7.%parent: acpi0
dev.pci0.0.%desc: ACPI Host-PCI bridge
dev.pci0.0.%driver: pci0
dev.pci0.0.%location: handle=_SB_.PCI0
dev.pci0.0.%pnpinfo: _HID=PNP0A08 _UID=0
dev.pci0.0.%parent: acpi0
dev.pci0.1.%desc: ACPI PCI-PCI bridge
dev.pci0.1.%driver: pci0
dev.pci0.1.%location: slot=1 function=0 handle=_SB_.PCI0.NPE1
dev.pci0.1.%pnpinfo: vendor=0x8086 device=0x0e02 subvendor=0x1bcf subdevice=0x800b class=0x060400
dev.pci0.1.%parent: pci0
dev.pci0.1.%domain: 0
dev.pci0.1.%pribus: 0
dev.pci0.1.%secbus: 16
dev.pci0.1.%subbus: 31
dev.pci0.1.%wake: 0
dev.pci0.2.%desc: ACPI PCI-PCI bridge
dev.pci0.2.%driver: pci0
dev.pci0.2.%location: slot=3 function=0 handle=_SB_.PCI0.NPE7
dev.pci0.2.%pnpinfo: vendor=0x8086 device=0x0e08 subvendor=0x1bcf subdevice=0x800b class=0x060400
dev.pci0.2.%parent: pci0
dev.pci0.2.%domain: 0
dev.pci0.2.%pribus: 0
dev.pci0.2.%secbus: 32
dev.pci0.2.%subbus: 79
dev.pci0.2.%wake: 0
dev.pci0.3.%desc: ACPI PCI-PCI bridge
dev.pci0.3.%driver: pci0
dev.pci0.3.%location: slot=17 function=0 handle=_SB_.PCI0.P0P1
dev.pci0.3.%pnpinfo: vendor=0x8086 device=0x1d3e subvendor=0x1bcf subdevice=0x800b class=0x060400
dev.pci0.3.%parent: pci0
dev.pci0.3.%domain: 0
dev.pci0.3.%pribus: 0
dev.pci0.3.%secbus: 1
dev.pci0.3.%subbus: 7
dev.pci0.4.%desc: ACPI PCI-PCI bridge
dev.pci0.4.%driver: pci0
dev.pci0.4.%location: slot=28 function=0 handle=_SB_.PCI0.PEX0
dev.pci0.4.%pnpinfo: vendor=0x8086 device=0x1d10 subvendor=0x1bcf subdevice=0x800b class=0x060400
dev.pci0.4.%parent: pci0
dev.pci0.4.%domain: 0
dev.pci0.4.%pribus: 0
dev.pci0.4.%secbus: 8
dev.pci0.4.%subbus: 15
dev.pci0.4.%wake: 0
dev.pci0.5.%desc: ACPI PCI-PCI bridge
dev.pci0.5.%driver: pci0
dev.pci0.5.%location: slot=28 function=2 handle=_SB_.PCI0.PEX2
dev.pci0.5.%pnpinfo: vendor=0x8086 device=0x1d14 subvendor=0x1bcf subdevice=0x800b class=0x060400
dev.pci0.5.%parent: pci0
dev.pci0.5.%domain: 0
dev.pci0.5.%pribus: 0
dev.pci0.5.%secbus: 125
dev.pci0.5.%subbus: 125
dev.pci0.5.%wake: 0
dev.pci0.6.%desc: ACPI PCI-PCI bridge
dev.pci0.6.%driver: pci0
dev.pci0.6.%location: slot=28 function=3 handle=_SB_.PCI0.PEX3
dev.pci0.6.%pnpinfo: vendor=0x8086 device=0x1d16 subvendor=0x1bcf subdevice=0x800b class=0x060400
dev.pci0.6.%parent: pci0
dev.pci0.6.%domain: 0
dev.pci0.6.%pribus: 0
dev.pci0.6.%secbus: 80
dev.pci0.6.%subbus: 95
dev.pci0.6.%wake: 0
dev.pci0.7.%desc: ACPI PCI-PCI bridge
dev.pci0.7.%driver: pci0
dev.pci0.7.%location: slot=28 function=4 handle=_SB_.PCI0.PEX4
dev.pci0.7.%pnpinfo: vendor=0x8086 device=0x1d18 subvendor=0x1bcf subdevice=0x800b class=0x060400
dev.pci0.7.%parent: pci0
dev.pci0.7.%domain: 0
dev.pci0.7.%pribus: 0
dev.pci0.7.%secbus: 96
dev.pci0.7.%subbus: 124
dev.pci0.7.%wake: 0
dev.pci0.8.%desc: ACPI PCI-PCI bridge
dev.pci0.8.%driver: pci0
dev.pci0.8.%location: slot=30 function=0 handle=_SB_.PCI0.BR7E
dev.pci0.8.%pnpinfo: vendor=0x8086 device=0x244e subvendor=0x1bcf subdevice=0x800b class=0x060401
dev.pci0.8.%parent: pci0
dev.pci0.8.%domain: 0
dev.pci0.8.%pribus: 0
dev.pci0.8.%secbus: 126
dev.pci0.8.%subbus: 126
dev.pci0.8.%wake: 0
dev.pci0.9.%desc: ACPI Host-PCI bridge
dev.pci0.9.%driver: pci0
dev.pci0.9.%location: handle=_SB_.UNC0
dev.pci0.9.%pnpinfo: _HID=PNP0A03 _UID=127
dev.pci0.9.%parent: acpi0
dev.pci0.10.%desc: ACPI Host-PCI bridge
dev.pci0.10.%driver: pci0
dev.pci0.10.%location: handle=_SB_.PCI1
dev.pci0.10.%pnpinfo: _HID=PNP0A08 _UID=128
dev.pci0.10.%parent: acpi0
dev.pci0.11.%desc: ACPI PCI-PCI bridge
dev.pci0.11.%driver: pci0
dev.pci0.11.%location: slot=0 function=0 handle=_SB_.PCI1.NPE0
dev.pci0.11.%pnpinfo: vendor=0x8086 device=0x0e01 subvendor=0x1bcf subdevice=0x800b class=0x060400
dev.pci0.11.%parent: pci128
dev.pci0.11.%domain: 0
dev.pci0.11.%pribus: 128
dev.pci0.11.%secbus: 129
dev.pci0.11.%subbus: 129
dev.pci0.12.%desc: ACPI Host-PCI bridge
dev.pci0.12.%driver: pci0
dev.pci0.12.%location: handle=_SB_.UNC1

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dev.pci.12.%pnpinfo: _HID=PNP0A03 _UID=255
dev.pci.12.%parent: acpi0
dev.pci.0.%desc: ACPI PCI bus
dev.pci.0.%driver: pci
dev.pci.0.%parent: pci0
dev.pci.16.%desc: ACPI PCI bus
dev.pci.16.%driver: pci
dev.pci.16.%parent: pci0
dev.pci.16.%wake: 0
dev.pci.32.%desc: ACPI PCI bus
dev.pci.32.%driver: pci
dev.pci.32.%parent: pci2
dev.pci.32.%wake: 0
dev.pci.1.%desc: ACPI PCI bus
dev.pci.1.%driver: pci
dev.pci.1.%parent: pci3
dev.pci.8.%desc: ACPI PCI bus
dev.pci.8.%driver: pci
dev.pci.8.%parent: pci4
dev.pci.8.%wake: 0
dev.pci.125.%desc: ACPI PCI bus
dev.pci.125.%driver: pci
dev.pci.125.%parent: pci5
dev.pci.125.%wake: 0
dev.pci.80.%desc: ACPI PCI bus
dev.pci.80.%driver: pci
dev.pci.80.%parent: pci6
dev.pci.80.%wake: 0
dev.pci.96.%desc: ACPI PCI bus
dev.pci.96.%driver: pci
dev.pci.96.%parent: pci7
dev.pci.96.%wake: 0
dev.pci.126.%desc: ACPI PCI bus
dev.pci.126.%driver: pci
dev.pci.126.%parent: pci8
dev.pci.126.%wake: 0
dev.pci.127.%desc: ACPI PCI bus
dev.pci.127.%driver: pci
dev.pci.127.%parent: pci9
dev.pci.128.%desc: ACPI PCI bus
dev.pci.128.%driver: pci
dev.pci.128.%parent: pci10
dev.pci.129.%desc: ACPI PCI bus
dev.pci.129.%driver: pci
dev.pci.129.%parent: pci11
dev.pci.255.%desc: ACPI PCI bus
dev.pci.255.%driver: pci
dev.pci.255.%parent: pci12
dev.hostb.0.%desc: Host to PCI bridge
dev.hostb.0.%driver: hostb
dev.hostb.0.%location: slot=0 function=0
dev.hostb.0.%pnpinfo: vendor=0x8086 device=0x0e00 subvendor=0x1bcf subdevice=0x800b class=0x060000
dev.hostb.0.%parent: pci0
dev.mfi.0.%desc: ThunderBolt
dev.mfi.0.%driver: mfi
dev.mfi.0.%location: slot=0 function=0 handle=_SB_.PCI0.NPE1.SL10
dev.mfi.0.%pnpinfo: vendor=0x1000 device=0x005b subvendor=0x1000 subdevice=0x9272 class=0x010400
dev.mfi.0.%parent: pci16
dev.mfi.0.delete_busy_volumes: 0
dev.mfi.0.keep_deleted_volumes: 0
dev.ioapic.0.%desc: IO(x) APIC
dev.ioapic.0.%driver: ioapic
dev.ioapic.0.%location: slot=5 function=4
dev.ioapic.0.%pnpinfo: vendor=0x8086 device=0x0e2c subvendor=0x1bcf subdevice=0x800b class=0x080020
dev.ioapic.0.%parent: pci0
dev.ioapic.1.%desc: IO(x) APIC
dev.ioapic.1.%driver: ioapic
dev.ioapic.1.%location: slot=5 function=4
dev.ioapic.1.%pnpinfo: vendor=0x8086 device=0x0e2c subvendor=0x1bcf subdevice=0x800b class=0x080020
dev.ioapic.1.%parent: pci128
dev.ehci.0.%desc: EHCI (generic) USB 2.0 controller
dev.ehci.0.%driver: ehci
dev.ehci.0.%location: slot=26 function=0 handle=_SB_.PCI0.USBE
dev.ehci.0.%pnpinfo: vendor=0x8086 device=0x1d2d subvendor=0x1bcf subdevice=0x800b class=0x0c0320
dev.ehci.0.%parent: pci0
dev.ehci.0.%wake: 0
dev.ehci.1.%desc: EHCI (generic) USB 2.0 controller
dev.ehci.1.%driver: ehci
dev.ehci.1.%location: slot=29 function=0 handle=_SB_.PCI0.EUSB
dev.ehci.1.%pnpinfo: vendor=0x8086 device=0x1d26 subvendor=0x1bcf subdevice=0x800b class=0x0c0320
dev.ehci.1.%parent: pci0
dev.ehci.1.%wake: 0
dev.usbus.0.%driver: usbus
dev.usbus.0.%parent: ehci0
dev.usbus.1.%driver: usbus
dev.usbus.1.%parent: ehci1
dev.bge.0.%desc: Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5719001
dev.bge.0.%driver: bge
dev.bge.0.%location: slot=0 function=0 handle=_SB_.PCI0.PEX0.LAN1
dev.bge.0.%pnpinfo: vendor=0x14e4 device=0x1657 subvendor=0x1bcf subdevice=0x800b class=0x020000
dev.bge.0.%parent: pci8
dev.bge.0.forced_collapse: 0
dev.bge.0.msi: 1
dev.bge.0.forced_udpcsum: 0
dev.bge.0.stats.FramesDroppedDueToFilters: 0
dev.bge.0.stats.DmaWriteQueueFull: 0
dev.bge.0.stats.DmaWriteHighPriQueueFull: 0
dev.bge.0.stats.NoMoreRxBDs: 0
dev.bge.0.stats.InputDiscards: 0
dev.bge.0.stats.InputErrors: 0
dev.bge.0.stats.RecvThresholdHit: 0
dev.bge.0.stats.rx.ifHCInOctets: 192179
dev.bge.0.stats.rx.Fragments: 0
dev.bge.0.stats.rx.UnicastPkts: 242
dev.bge.0.stats.rx.MulticastPkts: 341
dev.bge.0.stats.rx.BroadcastPkts: 616
dev.bge.0.stats.rx.FCSErrors: 0
dev.bge.0.stats.rx.AlignmentErrors: 0
dev.bge.0.stats.rx.xonPauseFramesReceived: 0

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dev.bge.0.stats.rx.xoffPauseFramesReceived: 0
dev.bge.0.stats.rx.ControlFramesReceived: 0
dev.bge.0.stats.rx.xoffStateEntered: 0
dev.bge.0.stats.rx.FramesTooLong: 0
dev.bge.0.stats.rx.Jabbers: 0
dev.bge.0.stats.rx.UndersizePkts: 0
dev.bge.0.stats.tx.ifHCOutOctets: 31043
dev.bge.0.stats.tx.Collisions: 0
dev.bge.0.stats.tx.XonSent: 0
dev.bge.0.stats.tx.XoffSent: 0
dev.bge.0.stats.tx.InternalMacTransmitErrors: 0
dev.bge.0.stats.tx.SingleCollisionFrames: 0
dev.bge.0.stats.tx.MultipleCollisionFrames: 0
dev.bge.0.stats.tx.DeferredTransmissions: 0
dev.bge.0.stats.tx.ExcessiveCollisions: 0
dev.bge.0.stats.tx.LateCollisions: 0
dev.bge.0.stats.tx.UnicastPkts: 270
dev.bge.0.stats.tx.MulticastPkts: 0
dev.bge.0.stats.tx.BroadcastPkts: 5
dev.bge.0.wake: 0
dev.bge.1.%desc: Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5719001
dev.bge.1.%driver: bge
dev.bge.1.%location: slot=0 function=1 handle=\_SB_.PCI0.PEX0.LAN2
dev.bge.1.%pnpinfo: vendor=0x14e4 device=0x1657 subvendor=0x1bcf subdevice=0x800b class=0x020000
dev.bge.1.%parent: pci8
dev.bge.1.forced_collapse: 0
dev.bge.1.msi: 1
dev.bge.1.forced_udpsum: 0
dev.bge.1.stats.FramesDroppedDueToFilters: 0
dev.bge.1.stats.DmaWriteQueueFull: 0
dev.bge.1.stats.DmaWriteHighPriQueueFull: 0
dev.bge.1.stats.NoMoreRxBDs: 0
dev.bge.1.stats.InputDiscards: 0
dev.bge.1.stats.InputErrors: 0
dev.bge.1.stats.RecvThresholdHit: 0
dev.bge.1.stats.rx.ifHCInOctets: 0
dev.bge.1.stats.rx.Fragments: 0
dev.bge.1.stats.rx.UnicastPkts: 0
dev.bge.1.stats.rx.MulticastPkts: 0
dev.bge.1.stats.rx.BroadcastPkts: 0
dev.bge.1.stats.rx.FCSErrors: 0
dev.bge.1.stats.rx.AlignmentErrors: 0
dev.bge.1.stats.rx.xonPauseFramesReceived: 0
dev.bge.1.stats.rx.xoffPauseFramesReceived: 0
dev.bge.1.stats.rx.ControlFramesReceived: 0
dev.bge.1.stats.rx.xoffStateEntered: 0
dev.bge.1.stats.rx.FramesTooLong: 0
dev.bge.1.stats.rx.Jabbers: 0
dev.bge.1.stats.rx.UndersizePkts: 0
dev.bge.1.stats.tx.ifHCOutOctets: 0
dev.bge.1.stats.tx.Collisions: 0
dev.bge.1.stats.tx.XonSent: 0
dev.bge.1.stats.tx.XoffSent: 0
dev.bge.1.stats.tx.InternalMacTransmitErrors: 0
dev.bge.1.stats.tx.SingleCollisionFrames: 0
dev.bge.1.stats.tx.MultipleCollisionFrames: 0
dev.bge.1.stats.tx.DeferredTransmissions: 0
dev.bge.1.stats.tx.ExcessiveCollisions: 0
dev.bge.1.stats.tx.LateCollisions: 0
dev.bge.1.stats.tx.UnicastPkts: 0
dev.bge.1.stats.tx.MulticastPkts: 0
dev.bge.1.stats.tx.BroadcastPkts: 0
dev.bge.1.wake: 0
dev.bge.2.%desc: Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5719001
dev.bge.2.%driver: bge
dev.bge.2.%location: slot=0 function=2 handle=\_SB_.PCI0.PEX0.LAN3
dev.bge.2.%pnpinfo: vendor=0x14e4 device=0x1657 subvendor=0x1bcf subdevice=0x800b class=0x020000
dev.bge.2.%parent: pci8
dev.bge.2.forced_collapse: 0
dev.bge.2.msi: 1
dev.bge.2.forced_udpsum: 0
dev.bge.2.stats.FramesDroppedDueToFilters: 0
dev.bge.2.stats.DmaWriteQueueFull: 0
dev.bge.2.stats.DmaWriteHighPriQueueFull: 0
dev.bge.2.stats.NoMoreRxBDs: 0
dev.bge.2.stats.InputDiscards: 0
dev.bge.2.stats.InputErrors: 0
dev.bge.2.stats.RecvThresholdHit: 0
dev.bge.2.stats.rx.ifHCInOctets: 0
dev.bge.2.stats.rx.Fragments: 0
dev.bge.2.stats.rx.UnicastPkts: 0
dev.bge.2.stats.rx.MulticastPkts: 0
dev.bge.2.stats.rx.BroadcastPkts: 0
dev.bge.2.stats.rx.FCSErrors: 0
dev.bge.2.stats.rx.AlignmentErrors: 0
dev.bge.2.stats.rx.xonPauseFramesReceived: 0
dev.bge.2.stats.rx.xoffPauseFramesReceived: 0
dev.bge.2.stats.rx.ControlFramesReceived: 0
dev.bge.2.stats.rx.xoffStateEntered: 0
dev.bge.2.stats.rx.FramesTooLong: 0
dev.bge.2.stats.rx.Jabbers: 0
dev.bge.2.stats.rx.UndersizePkts: 0
dev.bge.2.stats.tx.ifHCOutOctets: 0
dev.bge.2.stats.tx.Collisions: 0
dev.bge.2.stats.tx.XonSent: 0
dev.bge.2.stats.tx.XoffSent: 0
dev.bge.2.stats.tx.InternalMacTransmitErrors: 0
dev.bge.2.stats.tx.SingleCollisionFrames: 0
dev.bge.2.stats.tx.MultipleCollisionFrames: 0
dev.bge.2.stats.tx.DeferredTransmissions: 0
dev.bge.2.stats.tx.ExcessiveCollisions: 0
dev.bge.2.stats.tx.LateCollisions: 0
dev.bge.2.stats.tx.UnicastPkts: 0
dev.bge.2.stats.tx.MulticastPkts: 0
dev.bge.2.stats.tx.BroadcastPkts: 0
dev.bge.2.wake: 0
dev.bge.3.%desc: Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5719001
dev.bge.3.%driver: bge
dev.bge.3.%location: slot=0 function=3 handle=\_SB_.PCI0.PEX0.LAN4

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dev.bge.3.%pnpinfo: vendor=0x14e4 device=0x1657 subvendor=0x1bcf subdevice=0x800b class=0x020000
dev.bge.3.%parent: pci8
dev.bge.3.forced_collapse: 0
dev.bge.3.msi: 1
dev.bge.3.forced_udpsum: 0
dev.bge.3.stats.FramesDroppedDueToFilters: 0
dev.bge.3.stats.DmaWriteQueueFull: 0
dev.bge.3.stats.DmaWriteHighPriQueueFull: 0
dev.bge.3.stats.NoMoreRxBDs: 0
dev.bge.3.stats.InputDiscards: 0
dev.bge.3.stats.InputErrors: 0
dev.bge.3.stats.RecvThresholdHit: 0
dev.bge.3.stats.rx.ifHCInOctets: 0
dev.bge.3.stats.rx.Fragments: 0
dev.bge.3.stats.rx.UnicastPkts: 0
dev.bge.3.stats.rx.MulticastPkts: 0
dev.bge.3.stats.rx.BroadcastPkts: 0
dev.bge.3.stats.rx.FCSerrors: 0
dev.bge.3.stats.rx.AlignmentErrors: 0
dev.bge.3.stats.rx.xonPauseFramesReceived: 0
dev.bge.3.stats.rx.xoffPauseFramesReceived: 0
dev.bge.3.stats.rx.ControlFramesReceived: 0
dev.bge.3.stats.rx.xoffStateEntered: 0
dev.bge.3.stats.rx.FramesTooLong: 0
dev.bge.3.stats.rx.Jabbers: 0
dev.bge.3.stats.rx.UndersizePkts: 0
dev.bge.3.stats.tx.ifHCOutOctets: 0
dev.bge.3.stats.tx.Collisions: 0
dev.bge.3.stats.tx.XonSent: 0
dev.bge.3.stats.tx.XoffSent: 0
dev.bge.3.stats.tx.InternalMacTransmitErrors: 0
dev.bge.3.stats.tx.SingleCollisionFrames: 0
dev.bge.3.stats.tx.MultipleCollisionFrames: 0
dev.bge.3.stats.tx.DeferredTransmissions: 0
dev.bge.3.stats.tx.ExcessiveCollisions: 0
dev.bge.3.stats.tx.LateCollisions: 0
dev.bge.3.stats.tx.UnicastPkts: 0
dev.bge.3.stats.tx.MulticastPkts: 0
dev.bge.3.stats.tx.BroadcastPkts: 0
dev.bge.3.wake: 0
dev.miibus.0.%desc: MII bus
dev.miibus.0.%driver: miibus
dev.miibus.0.%parent: bge0
dev.miibus.1.%desc: MII bus
dev.miibus.1.%driver: miibus
dev.miibus.1.%parent: bge1
dev.miibus.2.%desc: MII bus
dev.miibus.2.%driver: miibus
dev.miibus.2.%parent: bge2
dev.miibus.3.%desc: MII bus
dev.miibus.3.%driver: miibus
dev.miibus.3.%parent: bge3
dev.brgphy.0.%desc: BCM5719C 1000BASE-T media interface
dev.brgphy.0.%driver: brgphy
dev.brgphy.0.%location: phyno=1
dev.brgphy.0.%pnpinfo: oui=0x1be9 model=0x22 rev=0x0
dev.brgphy.0.%parent: miibus0
dev.brgphy.1.%desc: BCM5719C 1000BASE-T media interface
dev.brgphy.1.%driver: brgphy
dev.brgphy.1.%location: phyno=2
dev.brgphy.1.%pnpinfo: oui=0x1be9 model=0x22 rev=0x0
dev.brgphy.1.%parent: miibus1
dev.brgphy.2.%desc: BCM5719C 1000BASE-T media interface
dev.brgphy.2.%driver: brgphy
dev.brgphy.2.%location: phyno=3
dev.brgphy.2.%pnpinfo: oui=0x1be9 model=0x22 rev=0x0
dev.brgphy.2.%parent: miibus2
dev.brgphy.3.%desc: BCM5719C 1000BASE-T media interface
dev.brgphy.3.%driver: brgphy
dev.brgphy.3.%location: phyno=4
dev.brgphy.3.%pnpinfo: oui=0x1be9 model=0x22 rev=0x0
dev.brgphy.3.%parent: miibus3
dev.vgapci.0.%desc: VGA-compatible display
dev.vgapci.0.%driver: vgapci
dev.vgapci.0.%location: slot=0 function=0
dev.vgapci.0.%pnpinfo: vendor=0x102b device=0x0522 subvendor=0x1bcf subdevice=0x800b class=0x030000
dev.vgapci.0.%parent: pci125
dev.isab.0.%desc: PCI-ISA bridge
dev.isab.0.%driver: isab
dev.isab.0.%location: slot=31 function=0 handle=_SB_.PCI0.SBRG
dev.isab.0.%pnpinfo: vendor=0x8086 device=0x1d41 subvendor=0x1bcf subdevice=0x800b class=0x060100
dev.isab.0.%parent: pci0
dev.isa.0.%desc: ISA bus
dev.isa.0.%driver: isa
dev.isa.0.%parent: isab0
dev.atapci.0.%desc: Intel Patsburg SATA300 controller
dev.atapci.0.%driver: atapci
dev.atapci.0.%location: slot=31 function=2 handle=_SB_.PCI0.SAT0
dev.atapci.0.%pnpinfo: vendor=0x8086 device=0x1d00 subvendor=0x1bcf subdevice=0x800b class=0x01018f
dev.atapci.0.%parent: pci0
dev.atapci.1.%desc: Intel Patsburg SATA300 controller
dev.atapci.1.%driver: atapci
dev.atapci.1.%location: slot=31 function=5 handle=_SB_.PCI0.SAT1
dev.atapci.1.%pnpinfo: vendor=0x8086 device=0x1d08 subvendor=0x1bcf subdevice=0x800b class=0x010185
dev.atapci.1.%parent: pci0
dev.ata.2.%desc: ATA channel
dev.ata.2.%driver: ata
dev.ata.2.%location: channel=0
dev.ata.2.%parent: atapci0
dev.ata.3.%desc: ATA channel
dev.ata.3.%driver: ata
dev.ata.3.%location: channel=1
dev.ata.3.%parent: atapci0
dev.ata.4.%desc: ATA channel
dev.ata.4.%driver: ata
dev.ata.4.%location: channel=0
dev.ata.4.%parent: atapci1
dev.ata.5.%desc: ATA channel
dev.ata.5.%driver: ata

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dev.ata.5.%location: channel=1
dev.ata.5.%parent: atapci1
dev.acpi_button.0.%desc: Power Button
dev.acpi_button.0.%driver: acpi_button
dev.acpi_button.0.%location: handle=\_SB_.PWRB
dev.acpi_button.0.%pnpinfo: _HID=PNP0C0C _UID=170
dev.acpi_button.0.%parent: acpi0
dev.uart.0.%desc: 16550 or compatible
dev.uart.0.%driver: uart
dev.uart.0.%location: handle=\_SB_.PCI0.SBRG.UAR1
dev.uart.0.%pnpinfo: _HID=PNP0501 _UID=1
dev.uart.0.%parent: acpi0
dev.uart.0.%wake: 0
dev.uart.1.%desc: 16550 or compatible
dev.uart.1.%driver: uart
dev.uart.1.%location: handle=\_SB_.PCI0.SBRG.UAR2
dev.uart.1.%pnpinfo: _HID=PNP0501 _UID=2
dev.uart.1.%parent: acpi0
dev.uart.1.%wake: 0
dev.atdma.0.%desc: AT DMA controller
dev.atdma.0.%driver: atdma
dev.atdma.0.%location: handle=\_SB_.PCI0.SBRG.DMAD
dev.atdma.0.%pnpinfo: _HID=PNP0200 _UID=0
dev.atdma.0.%parent: acpi0
dev.fpuvnp.0.%desc: Legacy ISA coprocessor support
dev.fpuvnp.0.%driver: fpuvnp
dev.fpuvnp.0.%location: handle=\_SB_.PCI0.SBRG.COPR
dev.fpuvnp.0.%pnpinfo: _HID=PNP0C04 _UID=0
dev.fpuvnp.0.%parent: acpi0
dev.apic.0.%desc: APIC resources
dev.apic.0.%driver: apic
dev.apic.0.%parent: nexus0
dev.orm.0.%desc: ISA Option ROM
dev.orm.0.%driver: orm
dev.orm.0.%parent: isa0
dev.sc.0.%desc: System console
dev.sc.0.%driver: sc
dev.sc.0.%parent: isa0
dev.vga.0.%desc: Generic ISA VGA
dev.vga.0.%driver: vga
dev.vga.0.%parent: isa0
dev.acpi_perf.0.%driver: acpi_perf
dev.acpi_perf.0.%parent: cpu0
dev.acpi_perf.1.%driver: acpi_perf
dev.acpi_perf.1.%parent: cpu1
dev.acpi_perf.2.%driver: acpi_perf
dev.acpi_perf.2.%parent: cpu2
dev.acpi_perf.3.%driver: acpi_perf
dev.acpi_perf.3.%parent: cpu3
dev.acpi_perf.4.%driver: acpi_perf
dev.acpi_perf.4.%parent: cpu4
dev.acpi_perf.5.%driver: acpi_perf
dev.acpi_perf.5.%parent: cpu5
dev.acpi_perf.6.%driver: acpi_perf
dev.acpi_perf.6.%parent: cpu6
dev.acpi_perf.7.%driver: acpi_perf
dev.acpi_perf.7.%parent: cpu7
dev.acpi_perf.8.%driver: acpi_perf
dev.acpi_perf.8.%parent: cpu8
dev.acpi_perf.9.%driver: acpi_perf
dev.acpi_perf.9.%parent: cpu9
dev.acpi_perf.10.%driver: acpi_perf
dev.acpi_perf.10.%parent: cpu10
dev.acpi_perf.11.%driver: acpi_perf
dev.acpi_perf.11.%parent: cpu11
dev.acpi_perf.12.%driver: acpi_perf
dev.acpi_perf.12.%parent: cpu12
dev.acpi_perf.13.%driver: acpi_perf
dev.acpi_perf.13.%parent: cpu13
dev.acpi_perf.14.%driver: acpi_perf
dev.acpi_perf.14.%parent: cpu14
dev.acpi_perf.15.%driver: acpi_perf
dev.acpi_perf.15.%parent: cpu15
dev.acpi_perf.16.%driver: acpi_perf
dev.acpi_perf.16.%parent: cpu16
dev.acpi_perf.17.%driver: acpi_perf
dev.acpi_perf.17.%parent: cpu17
dev.acpi_perf.18.%driver: acpi_perf
dev.acpi_perf.18.%parent: cpu18
dev.acpi_perf.19.%driver: acpi_perf
dev.acpi_perf.19.%parent: cpu19
dev.acpi_perf.20.%driver: acpi_perf
dev.acpi_perf.20.%parent: cpu20
dev.acpi_perf.21.%driver: acpi_perf
dev.acpi_perf.21.%parent: cpu21
dev.acpi_perf.22.%driver: acpi_perf
dev.acpi_perf.22.%parent: cpu22
dev.acpi_perf.23.%driver: acpi_perf
dev.acpi_perf.23.%parent: cpu23
dev.est.0.%desc: Enhanced SpeedStep Frequency Control
dev.est.0.%driver: est
dev.est.0.%parent: cpu0
dev.est.0.%freq_settings: 2201/80000 2200/80000 2100/75136 2000/70367 1900/66467 1800/61878 1700/58138 1600/53738 1500/50155 1400/45917 1300/42490 1200/38423
dev.est.1.%desc: Enhanced SpeedStep Frequency Control
dev.est.1.%driver: est
dev.est.1.%parent: cpu1
dev.est.1.%freq_settings: 2201/80000 2200/80000 2100/75136 2000/70367 1900/66467 1800/61878 1700/58138 1600/53738 1500/50155 1400/45917 1300/42490 1200/38423
dev.est.2.%desc: Enhanced SpeedStep Frequency Control
dev.est.2.%driver: est
dev.est.2.%parent: cpu2
dev.est.2.%freq_settings: 2201/80000 2200/80000 2100/75136 2000/70367 1900/66467 1800/61878 1700/58138 1600/53738 1500/50155 1400/45917 1300/42490 1200/38423
dev.est.3.%desc: Enhanced SpeedStep Frequency Control
dev.est.3.%driver: est
dev.est.3.%parent: cpu3
dev.est.3.%freq_settings: 2201/80000 2200/80000 2100/75136 2000/70367 1900/66467 1800/61878 1700/58138 1600/53738 1500/50155 1400/45917 1300/42490 1200/38423
dev.est.4.%desc: Enhanced SpeedStep Frequency Control
dev.est.4.%driver: est
dev.est.4.%parent: cpu4
dev.est.4.%freq_settings: 2201/80000 2200/80000 2100/75136 2000/70367 1900/66467 1800/61878 1700/58138 1600/53738 1500/50155 1400/45917 1300/42490 1200/38423

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dev.p4tcc.23.%parent: cpu23
dev.p4tcc.23.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.uhub.0.%desc: Intel EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1
dev.uhub.0.%driver: uhub
dev.uhub.0.%parent: usb1
dev.uhub.1.%desc: Intel EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1
dev.uhub.1.%driver: uhub
dev.uhub.1.%parent: usb0
dev.uhub.2.%desc: vendor 0x8087 product 0x0024, class 9/0, rev 2.00/0.00, addr 2
dev.uhub.2.%driver: uhub
dev.uhub.2.%location: bus=1 hubaddr=1 port=1 devaddr=2 interface=0
dev.uhub.2.%pnpinfo: vendor=0x8087 product=0x0024 devclass=0x09 devsubclass=0x00 sernum="" release=0x0000 mode=host intclass=0x09 intsubclass=0x00 intprotocol=0x00
dev.uhub.2.%parent: uhub0
dev.uhub.3.%desc: vendor 0x8087 product 0x0024, class 9/0, rev 2.00/0.00, addr 2
dev.uhub.3.%driver: uhub
dev.uhub.3.%location: bus=1 hubaddr=1 port=0 devaddr=2 interface=0
dev.uhub.3.%pnpinfo: vendor=0x8087 product=0x0024 devclass=0x09 devsubclass=0x00 sernum="" release=0x0000 mode=host intclass=0x09 intsubclass=0x00 intprotocol=0x00
dev.uhub.3.%parent: uhub1
dev.uhub.4.%desc: Chicony Generic USB Hub, class 9/0, rev 1.10/1.02, addr 3
dev.uhub.4.%driver: uhub
dev.uhub.4.%location: bus=2 hubaddr=2 port=0 devaddr=3 interface=0
dev.uhub.4.%pnpinfo: vendor=0x04fe product=0x0008 devclass=0x09 devsubclass=0x00 sernum="" release=0x0102 mode=host intclass=0x09 intsubclass=0x00 intprotocol=0x00
dev.uhub.4.%parent: uhub3
dev.mfid.0.%driver: mfid
dev.mfid.0.%parent: mfi0
dev.ukbd.0.%desc: Keyboard Interface
dev.ukbd.0.%driver: ukbd
dev.ukbd.0.%location: bus=2 hubaddr=1 port=1 devaddr=3 interface=0
dev.ukbd.0.%pnpinfo: vendor=0x046b product=0xff10 devclass=0x00 devsubclass=0x00 sernum="" release=0x0100 mode=host intclass=0x03 intsubclass=0x01 intprotocol=0x01
dev.ukbd.0.%parent: uhub2
dev.ukbd.1.%desc: Chicony PFU-65 USB Keyboard, class 0/0, rev 1.10/1.02, addr 4
dev.ukbd.1.%driver: ukbd
dev.ukbd.1.%location: bus=3 hubaddr=1 port=0 devaddr=4 interface=0
dev.ukbd.1.%pnpinfo: vendor=0x04fe product=0x0006 devclass=0x00 devsubclass=0x00 sernum="" release=0x0102 mode=host intclass=0x03 intsubclass=0x01 intprotocol=0x01
dev.ukbd.1.%parent: uhub4
dev.ums.0.%desc: Mouse Interface
dev.ums.0.%driver: ums
dev.ums.0.%location: bus=2 hubaddr=1 port=1 devaddr=3 interface=1
dev.ums.0.%pnpinfo: vendor=0x046b product=0xff10 devclass=0x00 devsubclass=0x00 sernum="" release=0x0100 mode=host intclass=0x03 intsubclass=0x01 intprotocol=0x02
dev.ums.0.%parent: uhub2
dev.ums.0.%parseinfo: i1: Z:r0, p40, s8; B1:r0, p0, s1; B2:r0, p1, s1; B3:r0, p2, s1;
dev.umass.0.%desc: UFD 2.0 Silicon-Power16G, class 0/0, rev 2.00/1.00, addr 5
dev.umass.0.%driver: umass
dev.umass.0.%location: bus=2 hubaddr=1 port=0 devaddr=5 interface=0
dev.umass.0.%pnpinfo: vendor=0x13fe product=0x4100 devclass=0x00 devsubclass=0x00 sernum="12090358056E600298333564202" release=0x0100 mode=host intclass=0x08
intsubclass=0x06 intprotocol=0x50
dev.umass.0.%parent: uhub3
hptmv.status: RocketRAID 18xx SATA Controller driver Version v1.16

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# システム起動時メッセージ

```
Copyright (c) 1992-2014 The FreeBSD Project.
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FreeBSD is a registered trademark of The FreeBSD Foundation.
FreeBSD 10.0-STABLE #0 r262915: Sat Mar  8 03:13:32 UTC 2014
    root@grind.freebsd.org:/usr/obj/usr/src/sys/GENERIC amd64
FreeBSD clang version 3.3 (tags/RELEASE_33/final 183502) 20130610
CPU: Intel(R) Xeon(R) CPU E5-2420 v2 @ 2.20GHz (2194.76-MHz K8-class CPU)
    Origin = "GenuineIntel"  Id = 0x306e4  Family = 0x6  Model = 0x3e  Stepping = 4
    Features=0xbfebfbff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMOV,PAT,PSE36,CLFLUSH,DTS,ACPI,MMX,FXSR,SSE,SSE2,SS,HTT,TM,PBE>

Features2=0x7fbee3ff<SSE3,PCLMULQDQ,DTES64,MON,DS_CPL,VMX,SMX,EST,TM2,SSSE3,CX16,xTPR,PDCM,PCID,DCA,SSE4.1,SSE4.2,x2APIC,POPCNT,TSCDLT,AESNI,XSAVE,OSXSAVE,AVX,F16C,RDRAND>
AMD Features=0x2c100800<SYSCALL,NX,Page1GB,RDTSCP,Lm>
AMD Features2=0x1<LAHF>
Standard Extended Features=0x281<GSFSBASE,SMEP,ENHMOVSB>
    TSC: P-state invariant, performance statistics
real memory = 17179869184 (16384 MB)
avail memory = 16494649344 (15730 MB)
Event timer "LAPIC" quality 600
ACPI APIC Table: <ALASKA 065D >
FreeBSD/SMP: Multiprocessor System Detected: 24 CPUs
FreeBSD/SMP: 2 package(s) x 6 core(s) x 2 SMT threads
cpu0 (BSP): APIC ID: 0
cpu1 (AP): APIC ID: 1
cpu2 (AP): APIC ID: 2
cpu3 (AP): APIC ID: 3
cpu4 (AP): APIC ID: 4
cpu5 (AP): APIC ID: 5
cpu6 (AP): APIC ID: 6
cpu7 (AP): APIC ID: 7
cpu8 (AP): APIC ID: 8
cpu9 (AP): APIC ID: 9
cpu10 (AP): APIC ID: 10
cpu11 (AP): APIC ID: 11
cpu12 (AP): APIC ID: 32
cpu13 (AP): APIC ID: 33
cpu14 (AP): APIC ID: 34
cpu15 (AP): APIC ID: 35
cpu16 (AP): APIC ID: 36
cpu17 (AP): APIC ID: 37
cpu18 (AP): APIC ID: 38
cpu19 (AP): APIC ID: 39
cpu20 (AP): APIC ID: 40
cpu21 (AP): APIC ID: 41
cpu22 (AP): APIC ID: 42
cpu23 (AP): APIC ID: 43
ioapic0 <Version 2.0> irqs 0-23 on motherboard
ioapic1 <Version 2.0> irqs 24-47 on motherboard
ioapic2 <Version 2.0> irqs 48-71 on motherboard
kbd1 at kbdmux0
random: <Software, Yarrow> initialized
acpi0: <ALASKA 065D> on motherboard
acpi0: Power Button (fixed)
cpu0: <ACPI CPU> on acpi0
cpu1: <ACPI CPU> on acpi0
cpu2: <ACPI CPU> on acpi0
cpu3: <ACPI CPU> on acpi0
cpu4: <ACPI CPU> on acpi0
cpu5: <ACPI CPU> on acpi0
cpu6: <ACPI CPU> on acpi0
cpu7: <ACPI CPU> on acpi0
cpu8: <ACPI CPU> on acpi0
cpu9: <ACPI CPU> on acpi0
cpu10: <ACPI CPU> on acpi0
cpu11: <ACPI CPU> on acpi0
cpu12: <ACPI CPU> on acpi0
cpu13: <ACPI CPU> on acpi0
cpu14: <ACPI CPU> on acpi0
cpu15: <ACPI CPU> on acpi0
cpu16: <ACPI CPU> on acpi0
cpu17: <ACPI CPU> on acpi0
cpu18: <ACPI CPU> on acpi0
cpu19: <ACPI CPU> on acpi0
cpu20: <ACPI CPU> on acpi0
cpu21: <ACPI CPU> on acpi0
cpu22: <ACPI CPU> on acpi0
cpu23: <ACPI CPU> on acpi0
attimer0: <AT timer> port 0x40-0x43 irq 0 on acpi0
Timecounter "i8254" frequency 1193182 Hz quality 0
Event timer "i8254" frequency 1193182 Hz quality 100
atrtc0: <AT realtime clock> port 0x70-0x71 irq 8 on acpi0
Event timer "RTC" frequency 32768 Hz quality 0
hpet0: <High Precision Event Timer> iomem 0xfed00000-0xfed003ff on acpi0
Timecounter "HPET" frequency 14318180 Hz quality 950
Event timer "HPET" frequency 14318180 Hz quality 350
Event timer "HPET1" frequency 14318180 Hz quality 340
Event timer "HPET2" frequency 14318180 Hz quality 340
Event timer "HPET3" frequency 14318180 Hz quality 340
Event timer "HPET4" frequency 14318180 Hz quality 340
Event timer "HPET5" frequency 14318180 Hz quality 340
Event timer "HPET6" frequency 14318180 Hz quality 340
Event timer "HPET7" frequency 14318180 Hz quality 340
Timecounter "ACPI-fast" frequency 3579545 Hz quality 900
acpi_timer0: <24-bit timer at 3.579545MHz> port 0x408-0x40b on acpi0
pcib0: <ACPI Host-PCI bridge> port 0xcfc8-0xcfff on acpi0
pci0: <ACPI PCI bus> on pcib0
pci1: <ACPI PCI-PCI bridge> irq 26 at device 1.0 on pci0
pci16: <ACPI PCI bus> on pci1
mfi0: <ThunderBolt> port 0xe000-0xe0ff mem 0xe7b60000-0xe7b63fff,0xe7b00000-0xe7b3ffff irq 26 at device 0.0 on pci16
mfi0: Using MSI
mfi0: Megaraid SAS driver Ver 4.23
mfi0: FW MaxCmds = 1008, limiting to 128
mfi0: MaxCmd = 1008, Drv MaxCmd = 128, MaxSgl = 70, state = 0xb75003f0
pcib2: <ACPI PCI-PCI bridge> irq 40 at device 3.0 on pci0
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pci32: <ACPI PCI bus> on pcib2  
pci32: <serial bus, Fibre Channel> at device 0.0 (no driver attached)  
pci0: <base peripheral> at device 4.0 (no driver attached)  
pci0: <base peripheral> at device 4.1 (no driver attached)  
pci0: <base peripheral> at device 4.2 (no driver attached)  
pci0: <base peripheral> at device 4.3 (no driver attached)  
pci0: <base peripheral> at device 4.4 (no driver attached)  
pci0: <base peripheral> at device 4.5 (no driver attached)  
pci0: <base peripheral> at device 4.6 (no driver attached)  
pci0: <base peripheral> at device 4.7 (no driver attached)  
pci0: <base peripheral> at device 5.0 (no driver attached)  
pci0: <base peripheral> at device 5.2 (no driver attached)  
pci3: <ACPI PCI-PCI bridge> irq 16 at device 17.0 on pci0  
pci1: <ACPI PCI bus> on pcib3  
pci0: <simple comms> at device 22.0 (no driver attached)  
pci0: <simple comms> at device 22.1 (no driver attached)  
ehci0: <EHCI (generic) USB 2.0 controller> mem 0xe7c22000-0xe7c223ff irq 22 at device 26.0 on pci0  
usb0: EHCI version 1.0  
usb0 on ehci0  
pci4: <ACPI PCI-PCI bridge> irq 17 at device 28.0 on pci0  
pci8: <ACPI PCI bus> on pcib4  
bge0: <Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5719001> mem 0xe1eb0000-0xe1ebffff,0xe1ea0000-0xe1eaffff,0xe1e90000-0xe1e9ffff irq 16 at device 0.0 on pci8  
bge0: APE FW version: NCSI v1.0.88.0  
bge0: CHIP ID 0x05719001; ASIC REV 0x5719; CHIP REV 0x57190; PCI-E  
miibus0: <MII bus> on bge0  
brgphy0: <BCM5719C 1000BASE-T media interface> PHY 1 on miibus0  
brgphy0: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow  
bge0: Ethernet address: 74:d4:35:67:f4:7c  
bge1: <Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5719001> mem 0xe1e80000-0xe1e8ffff,0xe1e70000-0xe1e7ffff,0xe1e60000-0xe1e6ffff irq 17 at device 0.1 on pci8  
bge1: APE FW version: NCSI v1.0.88.0  
bge1: CHIP ID 0x05719001; ASIC REV 0x5719; CHIP REV 0x57190; PCI-E  
miibus1: <MII bus> on bge1  
brgphy1: <BCM5719C 1000BASE-T media interface> PHY 2 on miibus1  
brgphy1: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow  
bge1: Ethernet address: 74:d4:35:67:f4:7d  
bge2: <Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5719001> mem 0xe1e50000-0xe1e5ffff,0xe1e40000-0xe1e4ffff,0xe1e30000-0xe1e3ffff irq 16 at device 0.2 on pci8  
bge2: APE FW version: NCSI v1.0.88.0  
bge2: CHIP ID 0x05719001; ASIC REV 0x5719; CHIP REV 0x57190; PCI-E  
miibus2: <MII bus> on bge2  
brgphy2: <BCM5719C 1000BASE-T media interface> PHY 3 on miibus2  
brgphy2: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow  
bge2: Ethernet address: 74:d4:35:67:f4:7e  
bge3: <Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5719001> mem 0xe1e20000-0xe1e2ffff,0xe1e10000-0xe1e1ffff,0xe1e00000-0xe1e0ffff irq 17 at device 0.3 on pci8  
bge3: APE FW version: NCSI v1.0.88.0  
bge3: CHIP ID 0x05719001; ASIC REV 0x5719; CHIP REV 0x57190; PCI-E  
miibus3: <MII bus> on bge3  
brgphy3: <BCM5719C 1000BASE-T media interface> PHY 4 on miibus3  
brgphy3: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow  
bge3: Ethernet address: 74:d4:35:67:f4:7f  
pci5: <ACPI PCI-PCI bridge> irq 18 at device 28.2 on pci0  
pci5: failed to allocate initial memory window: 0xe6000000-0xe78fffff  
pci125: <ACPI PCI bus> on pci5  
vgapci0: <VGA-compatible display> mem 0xe6000000-0xe6ffffff,0xe7000000-0xe77fffff irq 18 at device 0.0 on pci125  
vgapci0: Boot video device  
pci6: <ACPI PCI-PCI bridge> irq 19 at device 28.3 on pci0  
pci80: <ACPI PCI bus> on pci6  
pci7: <ACPI PCI-PCI bridge> irq 17 at device 28.4 on pci0  
pci96: <ACPI PCI bus> on pci7  
pci96: <serial bus, SMBus> at device 31.3 (no driver attached)  
ehci1: <EHCI (generic) USB 2.0 controller> mem 0xe7c21000-0xe7c213ff irq 23 at device 29.0 on pci0  
usb1: EHCI version 1.0  
usb1 on ehci1  
pci8: <ACPI PCI-PCI bridge> at device 30.0 on pci0  
pci126: <ACPI PCI bus> on pci8  
isab0: <PCI-ISA bridge> at device 31.0 on pci0  
isa0: <ISA bus> on isab0  
atapci0: <Intel Patsburg SATA300 controller> port 0xf0d0-0xf0d7,0xf0c0-0xf0c3,0xf0b0-0xf0b7,0xf0a0-0xf0a3,0xf090-0xf09f,0xf080-0xf08f irq 19 at device 31.2 on pci0  
ata2: <ATA channel> at channel 0 on atapci0  
ata3: <ATA channel> at channel 1 on atapci0  
pci0: <serial bus, SMBus> at device 31.3 (no driver attached)  
atapci1: <Intel Patsburg SATA300 controller> port 0xf070-0xf077,0xf060-0xf063,0xf050-0xf057,0xf040-0xf043,0xf030-0xf03f,0xf020-0xf02f irq 19 at device 31.5 on pci0  
ata4: <ATA channel> at channel 0 on atapci1  
ata5: <ATA channel> at channel 1 on atapci1  
pci99: <ACPI Host-PCI bridge> on acpi0  
pci127: <ACPI PCI bus> on pci99  
pci127: <base peripheral> at device 8.0 (no driver attached)  
pci127: <base peripheral> at device 9.0 (no driver attached)  
pci127: <base peripheral> at device 10.0 (no driver attached)  
pci127: <base peripheral> at device 10.1 (no driver attached)  
pci127: <base peripheral> at device 10.2 (no driver attached)  
pci127: <base peripheral> at device 10.3 (no driver attached)  
pci127: <base peripheral> at device 10.4 (no driver attached)  
pci127: <base peripheral> at device 11.0 (no driver attached)  
pci127: <base peripheral> at device 11.3 (no driver attached)  
pci127: <base peripheral> at device 12.0 (no driver attached)  
pci127: <base peripheral> at device 12.1 (no driver attached)  
pci127: <base peripheral> at device 12.2 (no driver attached)  
pci127: <base peripheral> at device 13.0 (no driver attached)  
pci127: <base peripheral> at device 13.1 (no driver attached)  
pci127: <base peripheral> at device 13.2 (no driver attached)  
pci127: <base peripheral> at device 14.0 (no driver attached)  
pci127: <dasp> at device 14.1 (no driver attached)  
pci127: <base peripheral> at device 15.0 (no driver attached)  
pci127: <base peripheral> at device 15.1 (no driver attached)  
pci127: <base peripheral> at device 15.2 (no driver attached)  
pci127: <base peripheral> at device 15.3 (no driver attached)  
pci127: <base peripheral> at device 15.4 (no driver attached)  
pci127: <base peripheral> at device 15.5 (no driver attached)  
pci127: <base peripheral> at device 16.0 (no driver attached)  
pci127: <base peripheral> at device 16.1 (no driver attached)  
pci127: <base peripheral> at device 16.2 (no driver attached)  
pci127: <base peripheral> at device 16.3 (no driver attached)  
pci127: <base peripheral> at device 16.4 (no driver attached)  
pci127: <base peripheral> at device 16.5 (no driver attached)  
pci127: <base peripheral> at device 16.6 (no driver attached)

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pci127: <base peripheral> at device 16.7 (no driver attached)
pci127: <base peripheral> at device 19.0 (no driver attached)
pci127: <dasp> at device 19.1 (no driver attached)
pci127: <base peripheral> at device 19.4 (no driver attached)
pci127: <dasp> at device 19.5 (no driver attached)
pci127: <base peripheral> at device 22.0 (no driver attached)
pci127: <base peripheral> at device 22.1 (no driver attached)
pci127: <base peripheral> at device 22.2 (no driver attached)
pcib10: <ACPI Host-PCI bridge> on acpi0
pci128: <ACPI PCI bus> on pcib10
pcib11: <ACPI PCI-PCI bridge> at device 0.0 on pci128
pci129: <ACPI PCI bus> on pcib11
pci128: <base peripheral> at device 4.0 (no driver attached)
pci128: <base peripheral> at device 4.1 (no driver attached)
pci128: <base peripheral> at device 4.2 (no driver attached)
pci128: <base peripheral> at device 4.3 (no driver attached)
pci128: <base peripheral> at device 4.4 (no driver attached)
pci128: <base peripheral> at device 4.5 (no driver attached)
pci128: <base peripheral> at device 4.6 (no driver attached)
pci128: <base peripheral> at device 4.7 (no driver attached)
pci128: <base peripheral> at device 5.0 (no driver attached)
pci128: <base peripheral> at device 5.2 (no driver attached)
pcib12: <ACPI Host-PCI bridge> on acpi0
pci255: <ACPI PCI bus> on pcib12
pci255: <base peripheral> at device 8.0 (no driver attached)
pci255: <base peripheral> at device 9.0 (no driver attached)
pci255: <base peripheral> at device 10.0 (no driver attached)
pci255: <base peripheral> at device 10.1 (no driver attached)
pci255: <base peripheral> at device 10.2 (no driver attached)
pci255: <base peripheral> at device 10.3 (no driver attached)
pci255: <base peripheral> at device 10.4 (no driver attached)
pci255: <base peripheral> at device 11.0 (no driver attached)
pci255: <base peripheral> at device 11.3 (no driver attached)
pci255: <base peripheral> at device 12.0 (no driver attached)
pci255: <base peripheral> at device 12.1 (no driver attached)
pci255: <base peripheral> at device 12.2 (no driver attached)
pci255: <base peripheral> at device 13.0 (no driver attached)
pci255: <base peripheral> at device 13.1 (no driver attached)
pci255: <base peripheral> at device 13.2 (no driver attached)
pci255: <base peripheral> at device 14.0 (no driver attached)
pci255: <dasp> at device 14.1 (no driver attached)
pci255: <base peripheral> at device 15.0 (no driver attached)
pci255: <base peripheral> at device 15.1 (no driver attached)
pci255: <base peripheral> at device 15.2 (no driver attached)
pci255: <base peripheral> at device 15.3 (no driver attached)
pci255: <base peripheral> at device 15.4 (no driver attached)
pci255: <base peripheral> at device 15.5 (no driver attached)
pci255: <base peripheral> at device 16.0 (no driver attached)
pci255: <base peripheral> at device 16.1 (no driver attached)
pci255: <base peripheral> at device 16.2 (no driver attached)
pci255: <base peripheral> at device 16.3 (no driver attached)
pci255: <base peripheral> at device 16.4 (no driver attached)
pci255: <base peripheral> at device 16.5 (no driver attached)
pci255: <base peripheral> at device 16.6 (no driver attached)
pci255: <base peripheral> at device 16.7 (no driver attached)
pci255: <base peripheral> at device 19.0 (no driver attached)
pci255: <dasp> at device 19.1 (no driver attached)
pci255: <base peripheral> at device 19.4 (no driver attached)
pci255: <dasp> at device 19.5 (no driver attached)
pci255: <base peripheral> at device 22.0 (no driver attached)
pci255: <base peripheral> at device 22.1 (no driver attached)
pci255: <base peripheral> at device 22.2 (no driver attached)
acpi_button0: <Power Button> on acpi0
uart0: <16550 or compatible> port 0x3f8-0x3ff irq 4 flags 0x10 on acpi0
uart1: <16550 or compatible> port 0x2f8-0x2ff irq 3 on acpi0
orm0: <ISA Option ROM> at iomem 0xc0000-0xc7fff on isa0
sc0: <System console> at flags 0x100 on isa0
sc0: VGA <16 virtual consoles, flags=0x300>
vga0: <Generic ISA VGA> at port 0x3c0-0x3df iomem 0xa0000-0xbffff on isa0
ppc0: cannot reserve I/O port range
est0: <Enhanced SpeedStep Frequency Control> on cpu0
p4tcc0: <CPU Frequency Thermal Control> on cpu0
est1: <Enhanced SpeedStep Frequency Control> on cpu1
p4tcc1: <CPU Frequency Thermal Control> on cpu1
est2: <Enhanced SpeedStep Frequency Control> on cpu2
p4tcc2: <CPU Frequency Thermal Control> on cpu2
est3: <Enhanced SpeedStep Frequency Control> on cpu3
p4tcc3: <CPU Frequency Thermal Control> on cpu3
est4: <Enhanced SpeedStep Frequency Control> on cpu4
p4tcc4: <CPU Frequency Thermal Control> on cpu4
est5: <Enhanced SpeedStep Frequency Control> on cpu5
p4tcc5: <CPU Frequency Thermal Control> on cpu5
est6: <Enhanced SpeedStep Frequency Control> on cpu6
p4tcc6: <CPU Frequency Thermal Control> on cpu6
est7: <Enhanced SpeedStep Frequency Control> on cpu7
p4tcc7: <CPU Frequency Thermal Control> on cpu7
est8: <Enhanced SpeedStep Frequency Control> on cpu8
p4tcc8: <CPU Frequency Thermal Control> on cpu8
est9: <Enhanced SpeedStep Frequency Control> on cpu9
p4tcc9: <CPU Frequency Thermal Control> on cpu9
est10: <Enhanced SpeedStep Frequency Control> on cpu10
p4tcc10: <CPU Frequency Thermal Control> on cpu10
est11: <Enhanced SpeedStep Frequency Control> on cpu11
p4tcc11: <CPU Frequency Thermal Control> on cpu11
est12: <Enhanced SpeedStep Frequency Control> on cpu12
p4tcc12: <CPU Frequency Thermal Control> on cpu12
est13: <Enhanced SpeedStep Frequency Control> on cpu13
p4tcc13: <CPU Frequency Thermal Control> on cpu13
est14: <Enhanced SpeedStep Frequency Control> on cpu14
p4tcc14: <CPU Frequency Thermal Control> on cpu14
est15: <Enhanced SpeedStep Frequency Control> on cpu15
p4tcc15: <CPU Frequency Thermal Control> on cpu15
est16: <Enhanced SpeedStep Frequency Control> on cpu16
p4tcc16: <CPU Frequency Thermal Control> on cpu16
est17: <Enhanced SpeedStep Frequency Control> on cpu17
p4tcc17: <CPU Frequency Thermal Control> on cpu17
est18: <Enhanced SpeedStep Frequency Control> on cpu18
p4tcc18: <CPU Frequency Thermal Control> on cpu18
est19: <Enhanced SpeedStep Frequency Control> on cpu19

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p4tcc19: <CPU Frequency Thermal Control> on cpu19
est20: <Enhanced SpeedStep Frequency Control> on cpu20
p4tcc20: <CPU Frequency Thermal Control> on cpu20
est21: <Enhanced SpeedStep Frequency Control> on cpu21
p4tcc21: <CPU Frequency Thermal Control> on cpu21
est22: <Enhanced SpeedStep Frequency Control> on cpu22
p4tcc22: <CPU Frequency Thermal Control> on cpu22
est23: <Enhanced SpeedStep Frequency Control> on cpu23
p4tcc23: <CPU Frequency Thermal Control> on cpu23
mfi0: 1873 (451227651s/0x0020/info) - Shutdown command received from host
mfi0: 1874 (boot + 8s/0x0020/info) - Firmware initialization started (PCI ID 005b/1000/9272/1000)
mfi0: 1875 (boot + 8s/0x0020/info) - Firmware version 3.230.75-2648
mfi0: 1876 (boot + 10s/0x0008/info) - Battery Present
mfi0: 1877 (boot + 10s/0x0008/info) - Battery Present
mfi0: 1878 (boot + 19s/0x0020/info) - Package version 23.11.0-0034
mfi0: 1879 (boot + 19s/0x0020/info) - Board Revision 10C
mfi0: 1880 (boot + 39s/0x0002/info) - Inserted: PD 08(e0xfc/s1)
mfi0: 1881 (boot + 39s/0x0002/info) - Inserted: PD 08(e0xfc/s1) Info: enclPd=fc, scsiType=0, portMap=01, sasAddr=4433221105000000,0000000000000000
mfi0: 1882 (boot + 39s/0x0002/info) - Inserted: PD 09(e0xfc/s2)
mfi0: 1883 (boot + 39s/0x0002/info) - Inserted: PD 09(e0xfc/s2) Info: enclPd=fc, scsiType=0, portMap=00, sasAddr=4433221105000000,0000000000000000
mfi0: 1884 (boot + 39s/0x0002/info) - Inserted: PD 0a(e0xfc/s0)
mfi0: 1885 (boot + 39s/0x0002/info) - Inserted: PD 0a(e0xfc/s0) Info: enclPd=fc, scsiType=0, portMap=02, sasAddr=4433221107000000,0000000000000000
mfi0: 1886 (boot + 40s/0x0020/info) - Patrol Read resumed
mfi0: 1887 (451227702s/0x0020/info) - Time established as 04/19/14 13:01:42; (42 seconds since power on)
mfi0: 1891 (451227734s/0x0008/info) - Battery temperature is normal
mfi0: 1892 (451227734s/0x0008/info) - Battery relearn pending: Battery is under charge
mfi0: 1893 (451227768s/0x0020/info) - Host driver is loaded and operational
Timecounters tick every 1.000 msec
random: unblocking device.
usb0: 480Mbps High Speed USB v2.0
usb1: 480Mbps High Speed USB v2.0
ugen1.1: <Intel> at usb1
uhub0: <Intel EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1> on usb1
ugen0.1: <Intel> at usb0
uhub1: <Intel EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1> on usb0
mfi0 on mfi0
mfi0: 571136MB (1169686528 sectors) RAID volume 'array0' is optimal
uhub0: 2 ports with 2 removable, self powered
uhub1: 2 ports with 2 removable, self powered
ugen1.2: <vendor 0x8087> at usb1
uhub2: <vendor 0x8087 product 0x0024, class 9/0, rev 2.00/0.00, addr 2> on usb1
ugen0.2: <vendor 0x8087> at usb0
uhub3: <vendor 0x8087 product 0x0024, class 9/0, rev 2.00/0.00, addr 2> on usb0
cd0 at ata4 bus 0 scbus2 target 0 lun 0
cd0: <MATSHITA DVD-ROM UJ8E0 1.00> Removable CD-ROM SCSI-0 device
cd0: Serial Number SP00IC204297
cd0: 150.000MB/s transfers (SATA 1.x, UDMA5, ATAPI 12bytes, PIO 8192bytes)
cd0: Attempt to query device size failed: NOT READY, Medium not present - tray closed
Netvsc initializing... SMP: AP CPU #14 Launched!
SMP: AP CPU #4 Launched!
SMP: AP CPU #16 Launched!
SMP: AP CPU #7 Launched!
SMP: AP CPU #17 Launched!
SMP: AP CPU #6 Launched!
SMP: AP CPU #18 Launched!
SMP: AP CPU #9 Launched!
SMP: AP CPU #21 Launched!
SMP: AP CPU #8 Launched!
SMP: AP CPU #12 Launched!
SMP: AP CPU #20 Launched!
SMP: AP CPU #5 Launched!
SMP: AP CPU #13 Launched!
SMP: AP CPU #11 Launched!
SMP: AP CPU #22 Launched!
SMP: AP CPU #2 Launched!
SMP: AP CPU #23 Launched!
SMP: AP CPU #3 Launched!
SMP: AP CPU #19 Launched!
SMP: AP CPU #1 Launched!
SMP: AP CPU #10 Launched!
SMP: AP CPU #15 Launched!
Timecounter "TSC-low" frequency 1097377884 Hz quality 1000
Root mount waiting for: usb1 usb0
uhub3: 6 ports with 6 removable, self powered
uhub2: 8 ports with 8 removable, self powered
ugen1.3: <American Megatrends Inc.> at usb1
ukbd0: <Keyboard Interface> on usb1
kbd0 at ukbd0
Trying to mount root from ufs:/dev/mfi0p2 [rw]...
ums0: <Mouse Interface> on usb1
ums0: 3 buttons and [Z] coordinates ID=0

```

# カーネルデバイスツリー

```
nexus0
  apic0
    I/O memory addresses:
      0xfee00000-0xfee003ff
  ram0
    I/O memory addresses:
      0x0-0x9a7ff
      0x100000-0x7c17efff
      0x100000000-0x47ffffff
  acpi0
    Interrupt request lines:
      0x9
    I/O ports:
      0x10-0x1f
      0x22-0x3f
      0x44-0x5f
      0x62-0x63
      0x65-0x6f
      0x72-0x7f
      0x80
      0x84-0x86
      0x88
      0x8c-0x8e
      0x90-0x9f
      0xa2-0xbf
      0xe0-0xef
      0x400-0x453
      0x454-0x457
      0x458-0x47f
      0x4d0-0x4d1
      0x500-0x57f
      0x700-0x71f
      0xca4-0xca5
    I/O memory addresses:
      0xe7800000-0xe787ffff
      0xe7894000-0xe789ffff
      0xe7ffc000-0xe7ffdfdf
      0xfbf00000-0xfbf0ffff
      0xfc000000-0xfc00ffff
      0xfd000000-0xfd00ffff
      0xfe000000-0xfe00ffff
      0xfeb00000-0xfeb0ffff
      0xfec00000-0xfec0ffff
      0xfed00400-0xfed3ffff
      0xfed45000-0xfed4ffff
      0xff000000-0xff00ffff
  pci0
    I/O ports:
      0xcf8-0xcff
  pci0
  hostb0
  pcib1
    I/O ports:
      0xe000-0xefff
    I/O memory addresses:
      0xe7b00000-0xe7b0ffff
  pci16
  mfi0
    Interrupt request lines:
      0x108
    pci0 I/O port window:
      0xe000-0xe0ff
    pci0 memory window:
      0xe7b00000-0xe7b3ffff
      0xe7b60000-0xe7b63fff
  mfid0
  pcib2
    I/O memory addresses:
      0xe1f00000-0xe1ffffff
      0xe7a00000-0xe7afffff
  pci32
  ioapic0
    I/O memory addresses:
      0xe7c25000-0xe7c25fff
  pci03
  pci1
  ehci0
    Interrupt request lines:
      0x16
    I/O memory addresses:
      0xe7c22000-0xe7c223ff
  usb0
  uhub1
  uhub3
  uhub4
  ukbd1
  umass0
  pcib4
    I/O memory addresses:
      0xe1e00000-0xe1efffff
      0xe2000000-0xe200ffff
  pci8
  bge0
    Interrupt request lines:
      0x109
    pci0 prefetch window:
      0xe1e90000-0xe1e9ffff
      0xe1ea0000-0xe1eaffff
      0xe1eb0000-0xe1ebffff
  miibus0
  brgphy0
  bge1
    Interrupt request lines:
      0x10a
```

```

pcib4 prefetch window:
  0xe1e60000-0xe1e6ffff
  0xe1e70000-0xe1e7ffff
  0xe1e80000-0xe1e8ffff
miibus1
brgphy1
bge2
  Interrupt request lines:
    0x10b
  pcib4 prefetch window:
    0xe1e30000-0xe1e3ffff
    0xe1e40000-0xe1e4ffff
    0xe1e50000-0xe1e5ffff
miibus2
brgphy2
bge3
  Interrupt request lines:
    0x10c
  pcib4 prefetch window:
    0xe1e00000-0xe1e0ffff
    0xe1e10000-0xe1e1ffff
    0xe1e20000-0xe1e2ffff
miibus3
brgphy3
pcib5
  I/O memory addresses:
    0xe6000000-0xe77fffff
pci125
vgapci0
  pcib5 memory window:
    0xe6000000-0xe6ffffff
    0xe7000000-0xe77fffff
pcib6
pci80
pcib7
  I/O memory addresses:
    0xe1d00000-0xe1dfffff
    0xe7900000-0xe79fffff
pci96
ehci1
  Interrupt request lines:
    0x17
  I/O memory addresses:
    0xe7c21000-0xe7c213ff
usb1
uhub0
uhub2
ukbd0
ums0
pcib8
pci126
isab0
isa0
sc0
vga0
  I/O ports:
    0x3c0-0x3df
  I/O memory addresses:
    0xa0000-0xbffff
orm0
  I/O memory addresses:
    0xc0000-0xc7fff
atapci0
  Interrupt request lines:
    0x13
  I/O ports:
    0xf080-0xf08f
    0xf090-0xf09f
    0xf0a0-0xf0a3
    0xf0b0-0xf0b7
    0xf0c0-0xf0c3
    0xf0d0-0xf0d7
ata2
ata3
atapci1
  Interrupt request lines:
    0x13
  I/O ports:
    0xf020-0xf02f
    0xf030-0xf03f
    0xf040-0xf043
    0xf050-0xf057
    0xf060-0xf063
    0xf070-0xf077
ata4
ata5
acpi_sysresource0
acpi_sysresource1
acpi_sysresource2
acpi_sysresource3
uart0
  Interrupt request lines:
    0x4
  I/O ports:
    0x3f8-0x3ff
uart1
  Interrupt request lines:
    0x3
  I/O ports:
    0x2f8-0x2ff
atdma0
  DMA request lines:
    4
  I/O ports:
    0x0-0xf
    0x81-0x83
    0x87
    0x89-0x8b
    0x8f

```



```

    0xc0-0xdf
attimer0
  Interrupt request lines:
    0x0
  I/O ports:
    0x40-0x43
atrtc0
  Interrupt request lines:
    0x8
  I/O ports:
    0x70-0x71
acpi_sysresource4
fpupnp0
  I/O ports:
    0xf0-0xff
acpi_sysresource5
acpi_sysresource6
acpi_sysresource7
hpet0
  Interrupt request lines:
    0x100
    0x101
    0x102
    0x103
    0x104
    0x105
    0x106
    0x107
  I/O memory addresses:
    0xfed00000-0xfed003ff
pcib9
pci127
pcib10
pci128
pci128
pci128
pci129
ioapic1
  I/O memory addresses:
    0xfbf20000-0xfbf20fff
acpi_sysresource8
acpi_sysresource9
pcib12
pci255
acpi_button0
pci_link0
pci_link1
pci_link2
pci_link3
pci_link4
pci_link5
pci_link6
pci_link7
acpi_sysresource10
cpu0
  ACPI I/O ports:
    0x415
  acpi_perf0
  est0
  p4tcc0
  cpufreq0
cpu1
  ACPI I/O ports:
    0x415
  acpi_perf1
  est1
  p4tcc1
  cpufreq1
cpu2
  ACPI I/O ports:
    0x415
  acpi_perf2
  est2
  p4tcc2
  cpufreq2
cpu3
  ACPI I/O ports:
    0x415
  acpi_perf3
  est3
  p4tcc3
  cpufreq3
cpu4
  ACPI I/O ports:
    0x415
  acpi_perf4
  est4
  p4tcc4
  cpufreq4
cpu5
  ACPI I/O ports:
    0x415
  acpi_perf5
  est5
  p4tcc5
  cpufreq5
cpu6
  ACPI I/O ports:
    0x415
  acpi_perf6
  est6
  p4tcc6
  cpufreq6
cpu7
  ACPI I/O ports:
    0x415
  acpi_perf7
  est7
  p4tcc7
  cpufreq7

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```
cpu8
  ACPI I/O ports:
    0x415
  acpi_perf8
  est8
  p4tcc8
  cpufreq8
cpu9
  ACPI I/O ports:
    0x415
  acpi_perf9
  est9
  p4tcc9
  cpufreq9
cpu10
  ACPI I/O ports:
    0x415
  acpi_perf10
  est10
  p4tcc10
  cpufreq10
cpu11
  ACPI I/O ports:
    0x415
  acpi_perf11
  est11
  p4tcc11
  cpufreq11
cpu12
  ACPI I/O ports:
    0x415
  acpi_perf12
  est12
  p4tcc12
  cpufreq12
cpu13
  ACPI I/O ports:
    0x415
  acpi_perf13
  est13
  p4tcc13
  cpufreq13
cpu14
  ACPI I/O ports:
    0x415
  acpi_perf14
  est14
  p4tcc14
  cpufreq14
cpu15
  ACPI I/O ports:
    0x415
  acpi_perf15
  est15
  p4tcc15
  cpufreq15
cpu16
  ACPI I/O ports:
    0x415
  acpi_perf16
  est16
  p4tcc16
  cpufreq16
cpu17
  ACPI I/O ports:
    0x415
  acpi_perf17
  est17
  p4tcc17
  cpufreq17
cpu18
  ACPI I/O ports:
    0x415
  acpi_perf18
  est18
  p4tcc18
  cpufreq18
cpu19
  ACPI I/O ports:
    0x415
  acpi_perf19
  est19
  p4tcc19
  cpufreq19
cpu20
  ACPI I/O ports:
    0x415
  acpi_perf20
  est20
  p4tcc20
  cpufreq20
cpu21
  ACPI I/O ports:
    0x415
  acpi_perf21
  est21
  p4tcc21
  cpufreq21
cpu22
  ACPI I/O ports:
    0x415
  acpi_perf22
  est22
  p4tcc22
  cpufreq22
cpu23
  ACPI I/O ports:
    0x415
  acpi_perf23
```

est23  
p4tcc23  
cpufreq23  
acpi\_sysresource11  
acpi\_timer0  
ACPI I/O ports:  
0x408-0x40b

# PCIバスデータ詳細一覧

```
hostb0@pci0:0:0:0:      class=0x060000 card=0x800b1bcf chip=0x0e008086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown DMI2'
class       = bridge
subclass    = HOST-PCI
cap 10[90] = PCI-Express 2 root port max data 128(128) link x0(x4)
              speed 0.0(2.5) ASPM disabled(L1)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000b[144] = Vendor 1 ID 4
ecap 000b[1d0] = Vendor 1 ID 3
ecap 000b[280] = Vendor 1 ID 5
pcib1@pci0:0:1:0:      class=0x060400 card=0x800b1bcf chip=0x0e028086 rev=0x04 hdr=0x01
vendor      = 'Intel Corporation'
class       = bridge
subclass    = PCI-PCI
cap 0d[40] = PCI Bridge card=0x800b1bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port slot max data 256(256) link x8(x8)
              speed 8.0(8.0) ASPM disabled(L1)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
pcib2@pci0:0:3:0:      class=0x060400 card=0x800b1bcf chip=0x0e088086 rev=0x04 hdr=0x01
vendor      = 'Intel Corporation'
device      = 'Ivytown PCI Express Root Port 3a'
class       = bridge
subclass    = PCI-PCI
cap 0d[40] = PCI Bridge card=0x800b1bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port slot max data 256(256) link x8(x16)
              speed 8.0(8.0) ASPM disabled(L1)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
none0@pci0:0:4:0:      class=0x088000 card=0x800b1bcf chip=0x0e208086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Crystal Beach DMA Channel 0'
class       = base peripheral
cap 11[80] = MSI-X supports 1 message
              Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none1@pci0:0:4:1:      class=0x088000 card=0x800b1bcf chip=0x0e218086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Crystal Beach DMA Channel 1'
class       = base peripheral
cap 11[80] = MSI-X supports 1 message
              Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none2@pci0:0:4:2:      class=0x088000 card=0x800b1bcf chip=0x0e228086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Crystal Beach DMA Channel 2'
class       = base peripheral
cap 11[80] = MSI-X supports 1 message
              Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none3@pci0:0:4:3:      class=0x088000 card=0x800b1bcf chip=0x0e238086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Crystal Beach DMA Channel 3'
class       = base peripheral
cap 11[80] = MSI-X supports 1 message
              Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none4@pci0:0:4:4:      class=0x088000 card=0x800b1bcf chip=0x0e248086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Crystal Beach DMA Channel 4'
class       = base peripheral
cap 11[80] = MSI-X supports 1 message
              Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none5@pci0:0:4:5:      class=0x088000 card=0x800b1bcf chip=0x0e258086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Crystal Beach DMA Channel 5'
class       = base peripheral
cap 11[80] = MSI-X supports 1 message
              Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none6@pci0:0:4:6:      class=0x088000 card=0x800b1bcf chip=0x0e268086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Crystal Beach DMA Channel 6'
class       = base peripheral
cap 11[80] = MSI-X supports 1 message
              Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none7@pci0:0:4:7:      class=0x088000 card=0x800b1bcf chip=0x0e278086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Crystal Beach DMA Channel 7'
class       = base peripheral
cap 11[80] = MSI-X supports 1 message
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Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none8@pci:0:5:0: class=0x088000 card=0x800b1bcf chip=0x0e288086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown VTd/Memory Map/Misc'
class = base peripheral
cap 10[40] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
none9@pci:0:5:2: class=0x088000 card=0x800b1bcf chip=0x0e2a8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown IIO RAS'
class = base peripheral
cap 10[40] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
ioapic0@pci:0:5:4: class=0x080020 card=0x800b1bcf chip=0x0e2c8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown IOAPIC'
class = base peripheral
subclass = interrupt controller
cap 10[44] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
pcib3@pci:0:17:0: class=0x060400 card=0x800b1bcf chip=0x1d3e8086 rev=0x05 hdr=0x01
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset PCI Express Virtual Root Port'
class = bridge
subclass = PCI-PCI
cap 10[40] = PCI-Express 2 root port max data 128(128) link x1(x1)
speed 2.5(2.5) ASPM disabled(L0s/L1)
cap 01[80] = powerspec 3 supports D0 D3 current D0
cap 0d[88] = PCI Bridge card=0x800b1bcf
cap 05[90] = MSI supports 1 message
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000d[138] = ACS 1
none10@pci:0:22:0: class=0x078000 card=0x800b1bcf chip=0x1d3a8086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset MEI Controller'
class = simple comms
cap 01[50] = powerspec 3 supports D0 D3 current D0
cap 05[8c] = MSI supports 1 message, 64 bit
none11@pci:0:22:1: class=0x078000 card=0x800b1bcf chip=0x1d3b8086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset MEI Controller'
class = simple comms
cap 01[50] = powerspec 3 supports D0 D3 current D0
cap 05[8c] = MSI supports 1 message, 64 bit
ehci0@pci:0:26:0: class=0x0c0320 card=0x800b1bcf chip=0x1d2d8086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset USB2 Enhanced Host Controller'
class = serial bus
subclass = USB
cap 01[50] = powerspec 2 supports D0 D3 current D0
cap 0a[58] = EHCI Debug Port at offset 0xa0 in map 0x14
cap 13[98] = PCI Advanced Features: FLR TP
pcib4@pci:0:28:0: class=0x060400 card=0x800b1bcf chip=0x1d108086 rev=0xb5 hdr=0x01
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset PCI Express Root Port 1'
class = bridge
subclass = PCI-PCI
cap 10[40] = PCI-Express 2 root port max data 128(128) link x2(x2)
speed 5.0(5.0) ASPM disabled(L1)
cap 05[80] = MSI supports 1 message
cap 0d[90] = PCI Bridge card=0x800b1bcf
cap 01[a0] = powerspec 2 supports D0 D3 current D0
pcib5@pci:0:28:2: class=0x060400 card=0x800b1bcf chip=0x1d148086 rev=0xb5 hdr=0x01
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset PCI Express Root Port 3'
class = bridge
subclass = PCI-PCI
cap 10[40] = PCI-Express 2 root port max data 128(128) link x1(x1)
speed 2.5(5.0) ASPM disabled(L1)
cap 05[80] = MSI supports 1 message
cap 0d[90] = PCI Bridge card=0x800b1bcf
cap 01[a0] = powerspec 2 supports D0 D3 current D0
pcib6@pci:0:28:3: class=0x060400 card=0x800b1bcf chip=0x1d168086 rev=0xb5 hdr=0x01
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset PCI Express Root Port 4'
class = bridge
subclass = PCI-PCI
cap 10[40] = PCI-Express 2 root port max data 128(128) link x0(x1)
speed 0.0(5.0) ASPM disabled(L1)
cap 05[80] = MSI supports 1 message
cap 0d[90] = PCI Bridge card=0x800b1bcf
cap 01[a0] = powerspec 2 supports D0 D3 current D0
pcib7@pci:0:28:4: class=0x060400 card=0x800b1bcf chip=0x1d188086 rev=0xb5 hdr=0x01
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset PCI Express Root Port 5'
class = bridge
subclass = PCI-PCI
cap 10[40] = PCI-Express 2 root port slot max data 128(128) link x4(x4)
speed 5.0(5.0) ASPM disabled(L1)
cap 05[80] = MSI supports 1 message
cap 0d[90] = PCI Bridge card=0x800b1bcf
cap 01[a0] = powerspec 2 supports D0 D3 current D0
ehci1@pci:0:29:0: class=0x0c0320 card=0x800b1bcf chip=0x1d268086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset USB2 Enhanced Host Controller'
class = serial bus
subclass = USB
cap 01[50] = powerspec 2 supports D0 D3 current D0
cap 0a[58] = EHCI Debug Port at offset 0xa0 in map 0x14
cap 13[98] = PCI Advanced Features: FLR TP
pcib8@pci:0:30:0: class=0x060401 card=0x800b1bcf chip=0x244e8086 rev=0xa5 hdr=0x01
vendor = 'Intel Corporation'
device = '82801 PCI Bridge'
class = bridge
subclass = PCI-PCI
cap 0d[50] = PCI Bridge card=0x800b1bcf
isab0@pci:0:31:0: class=0x060100 card=0x800b1bcf chip=0x1d418086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset LPC Controller'

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class = bridge
subclass = PCI-ISA
cap 09[e0] = vendor (length 12) Intel cap 1 version 0
features: AMT, 4 PCI-e x1 slots
atapci0@pci:0:31:2: class=0x01018f card=0x800b1bcf chip=0x1d008086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'G600/X79 series chipset 4-Port SATA IDE Controller'
class = mass storage
subclass = ATA
cap 01[70] = powerspec 3 supports D0 D3 current D0
cap 13[b0] = PCI Advanced Features: FLR TP
none12@pci:0:31:3: class=0x0c0500 card=0x800b1bcf chip=0x1d228086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'G600/X79 series chipset SMBus Host Controller'
class = serial bus
subclass = SMBus
atapci1@pci:0:31:5: class=0x010185 card=0x800b1bcf chip=0x1d008086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'G600/X79 series chipset 2-Port SATA IDE Controller'
class = mass storage
subclass = ATA
cap 01[70] = powerspec 3 supports D0 D3 current D0
cap 13[b0] = PCI Advanced Features: FLR TP
mfi10@pci:0:16:0:0: class=0x010400 card=0x92721000 chip=0x005b1000 rev=0x05 hdr=0x00
vendor = 'LSI Logic / Symbios Logic'
device = 'Megaraid SAS 2208 [Thunderbolt]'
class = mass storage
subclass = RAID
cap 01[50] = powerspec 3 supports D0 D1 D2 D3 current D0
cap 10[68] = PCI-Express 2 endpoint max data 256(4096) FLR link x8(x8)
speed 8.0(8.0) ASPM disabled(L0s)
cap 03[d0] = VPD
cap 05[a8] = MSI supports 1 message, 64 bit enabled with 1 message
cap 11[c0] = MSI-X supports 16 messages
Table in map 0x14[0x2000], PBA in map 0x14[0x3000]
ecap 0001[100] = AER 2 0 fatal 0 non-fatal 1 corrected
ecap 0019[1e0] = PCIe Sec 1 lane errors 0
ecap 0004[1c0] = Power Budgeting 1
ecap 0016[190] = DPA 1
ecap 000e[148] = ARI 1
none13@pci:0:32:0:0: class=0x0c0400 card=0xe28110df chip=0xe20010df rev=0x10 hdr=0x00
vendor = 'Emulex Corporation'
device = 'Lancer-X: LightPulse Fibre Channel Host Adapter'
class = serial bus
subclass = Fibre Channel
cap 09[54] = vendor (length 8)
cap 01[40] = powerspec 3 supports D0 D3 current D0
cap 05[60] = MSI supports 32 messages, 64 bit, vector masks
cap 11[78] = MSI-X supports 1024 messages
Table in map 0x10[0x4000], PBA in map 0x10[0x3400]
cap 03[84] = VPD
cap 10[94] = PCI-Express 2 endpoint max data 256(2048) FLR link x8(x8)
speed 8.0(8.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0004[12c] = Power Budgeting 1
ecap 0010[13c] = SRIOV 1
ecap 000b[208] = Vendor 1 ID 47709
ecap 000e[1d0] = ARI 1
ecap 0017[1e0] = TPH Requester 1
ecap 0019[1ec] = PCIe Sec 1 lane errors 0
bge0@pci:0:8:0:0: class=0x020000 card=0x800b1bcf chip=0x165714e4 rev=0x01 hdr=0x00
vendor = 'Broadcom Corporation'
device = 'NetXtreme BCM5719 Gigabit Ethernet PCIe'
class = network
subclass = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
Table in map 0x20[0x0], PBA in map 0x20[0x1000]
cap 10[ac] = PCI-Express 2 endpoint max data 128(256) FLR link x2(x4)
speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 000074d43567f47c
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
bge1@pci:0:8:0:1: class=0x020000 card=0x800b1bcf chip=0x165714e4 rev=0x01 hdr=0x00
vendor = 'Broadcom Corporation'
device = 'NetXtreme BCM5719 Gigabit Ethernet PCIe'
class = network
subclass = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
Table in map 0x20[0x0], PBA in map 0x20[0x1000]
cap 10[ac] = PCI-Express 2 endpoint max data 128(256) FLR link x2(x4)
speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 000074d43567f47d
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
bge2@pci:0:8:0:2: class=0x020000 card=0x800b1bcf chip=0x165714e4 rev=0x01 hdr=0x00
vendor = 'Broadcom Corporation'
device = 'NetXtreme BCM5719 Gigabit Ethernet PCIe'
class = network
subclass = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
Table in map 0x20[0x0], PBA in map 0x20[0x1000]
cap 10[ac] = PCI-Express 2 endpoint max data 128(256) FLR link x2(x4)
speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 000074d43567f47e
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
bge3@pci:0:8:0:3: class=0x020000 card=0x800b1bcf chip=0x165714e4 rev=0x01 hdr=0x00

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vendor = 'Broadcom Corporation'
device = 'NetXtreme BCM5719 Gigabit Ethernet PCIe'
class = network
subclass = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
          Table in map 0x20[0x0], PBA in map 0x20[0x1000]
cap 10[ac] = PCI-Express 2 endpoint max data 128(256) FLR link x2(x4)
          speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 000074d43567f47f
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
vgapci0@pci0:125:0:0: class=0x030000 card=0x800b1bcf chip=0x0522102b rev=0x02 hdr=0x00
vendor = 'Matrox Electronics Systems Ltd.'
device = 'MGA G200e [Pilot] ServerEngines (SEP1)'
class = display
subclass = VGA
cap 01[dc] = powerspec 2 supports D0 D3 current D0
cap 10[e4] = PCI-Express 1 legacy endpoint max data 128(256) link x1(x1)
          speed 2.5(2.5) ASPM disabled(L0s)
cap 05[54] = MSI supports 1 message
none14@pci0:96:0:0: class=0x0c0400 card=0xe28110df chip=0xe20010df rev=0x10 hdr=0x00
vendor = 'Emulex Corporation'
device = 'Lancer-X: LightPulse Fibre Channel Host Adapter'
class = serial bus
subclass = Fibre Channel
cap 09[54] = vendor (length 8)
cap 01[40] = powerspec 3 supports D0 D3 current D0
cap 05[60] = MSI supports 32 messages, 64 bit, vector masks
cap 11[78] = MSI-X supports 1024 messages
          Table in map 0x10[0x4000], PBA in map 0x10[0x3400]
cap 03[84] = VPD
cap 10[94] = PCI-Express 2 endpoint max data 128(2048) FLR link x4(x8)
          speed 5.0(8.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0004[12c] = Power Budgeting 1
ecap 0010[13c] = SRIOV 1
ecap 000b[208] = Vendor 1 ID 47709
ecap 000e[1d0] = ARI 1
ecap 0017[1e0] = TPH Requester 1
ecap 0019[1ec] = PCIe Sec 1 lane errors 0
none15@pci0:127:8:0: class=0x088000 card=0x800b1bcf chip=0x0e808086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown QPI Link 0'
class = base peripheral
none16@pci0:127:9:0: class=0x088000 card=0x800b1bcf chip=0x0e908086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown QPI Link 1'
class = base peripheral
none17@pci0:127:10:0: class=0x088000 card=0x800b1bcf chip=0x0ec08086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 0'
class = base peripheral
none18@pci0:127:10:1: class=0x088000 card=0x800b1bcf chip=0x0ec18086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 1'
class = base peripheral
none19@pci0:127:10:2: class=0x088000 card=0x800b1bcf chip=0x0ec28086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 2'
class = base peripheral
none20@pci0:127:10:3: class=0x088000 card=0x800b1bcf chip=0x0ec38086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 3'
class = base peripheral
none21@pci0:127:10:4: class=0x088000 card=0x800b1bcf chip=0x0ec48086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 4'
class = base peripheral
none22@pci0:127:11:0: class=0x088000 card=0x800b1bcf chip=0x0e1e8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Semaphore and Scratchpad Configuration Registers'
class = base peripheral
none23@pci0:127:11:3: class=0x088000 card=0x800b1bcf chip=0x0e1f8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Semaphore and Scratchpad Configuration Registers'
class = base peripheral
none24@pci0:127:12:0: class=0x088000 card=0x800b1bcf chip=0x0ee08086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none25@pci0:127:12:1: class=0x088000 card=0x800b1bcf chip=0x0ee28086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none26@pci0:127:12:2: class=0x088000 card=0x800b1bcf chip=0x0ee48086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none27@pci0:127:13:0: class=0x088000 card=0x800b1bcf chip=0x0ee18086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none28@pci0:127:13:1: class=0x088000 card=0x800b1bcf chip=0x0ee38086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none29@pci0:127:13:2: class=0x088000 card=0x800b1bcf chip=0x0ee58086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none30@pci0:127:14:0: class=0x088000 card=0x800b1bcf chip=0x0ea08086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Home Agent 0'
class = base peripheral
none31@pci0:127:14:1: class=0x110100 card=0x800b1bcf chip=0x0e308086 rev=0x04 hdr=0x00

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vendor = 'Intel Corporation'
device = 'Ivytown Home Agent 0'
class = dasp
none32@pci:0:127:15:0: class=0x088000 card=0x800b1bcf chip=0x0ea88086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 0 Target Address/Thermal Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none33@pci:0:127:15:1: class=0x088000 card=0x800b1bcf chip=0x0e718086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 0 RAS Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none34@pci:0:127:15:2: class=0x088000 card=0x800b1bcf chip=0x0eaa8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none35@pci:0:127:15:3: class=0x088000 card=0x800b1bcf chip=0x0eab8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none36@pci:0:127:15:4: class=0x088000 card=0x800b1bcf chip=0x0eac8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none37@pci:0:127:15:5: class=0x088000 card=0x800b1bcf chip=0x0ead8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none38@pci:0:127:16:0: class=0x088000 card=0x800b1bcf chip=0x0eb08086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 0'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none39@pci:0:127:16:1: class=0x088000 card=0x800b1bcf chip=0x0eb18086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 1'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none40@pci:0:127:16:2: class=0x088000 card=0x800b1bcf chip=0x0eb28086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 0'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none41@pci:0:127:16:3: class=0x088000 card=0x800b1bcf chip=0x0eb38086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 1'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none42@pci:0:127:16:4: class=0x088000 card=0x800b1bcf chip=0x0eb48086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 2'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none43@pci:0:127:16:5: class=0x088000 card=0x800b1bcf chip=0x0eb58086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 3'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none44@pci:0:127:16:6: class=0x088000 card=0x800b1bcf chip=0x0eb68086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none45@pci:0:127:16:7: class=0x088000 card=0x800b1bcf chip=0x0eb78086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 2'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none46@pci:0:127:19:0: class=0x088000 card=0x800b1bcf chip=0x0ed8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown R2PCIe'
class = base peripheral
none47@pci:0:127:19:1: class=0x110100 card=0x800b1bcf chip=0x0e348086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown PCI Express Ring Performance Monitoring'
class = dasp
none48@pci:0:127:19:4: class=0x088000 card=0x800b1bcf chip=0x0e818086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown QPI Ring Registers'
class = base peripheral
none49@pci:0:127:19:5: class=0x110100 card=0x800b1bcf chip=0x0e368086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown QPI Ring Performance Ring Monitoring'
class = dasp
none50@pci:0:127:22:0: class=0x088000 card=0x800b1bcf chip=0x0ec88086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown System Address Decoder'
class = base peripheral
none51@pci:0:127:22:1: class=0x088000 card=0x800b1bcf chip=0x0ec98086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Broadcast Registers'
class = base peripheral
none52@pci:0:127:22:2: class=0x088000 card=0x800b1bcf chip=0x0eca8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Broadcast Registers'
class = base peripheral
pctb11@pci:0:128:0:0: class=0x060400 card=0x800b1bcf chip=0x0e018086 rev=0x04 hdr=0x01
vendor = 'Intel Corporation'
device = 'Ivytown PCI Express Root Port in DMI2 Mode'
class = bridge
subclass = PCI-PCI
cap 0d[40] = PCI Bridge card=0x800b1bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port max data 128(128) link x0(x4)
speed 0.0(2.5) ASPM disabled(L1)

```



```

cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 000b[280] = Vendor 1 ID 5
none53@pci:128:4:0: class=0x088000 card=0x800b1bcf chip=0x0e208086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Crystal Beach DMA Channel 0'
class = base peripheral
cap 11[80] = MSI-X supports 1 message
Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none54@pci:128:4:1: class=0x088000 card=0x800b1bcf chip=0x0e218086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Crystal Beach DMA Channel 1'
class = base peripheral
cap 11[80] = MSI-X supports 1 message
Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none55@pci:128:4:2: class=0x088000 card=0x800b1bcf chip=0x0e228086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Crystal Beach DMA Channel 2'
class = base peripheral
cap 11[80] = MSI-X supports 1 message
Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none56@pci:128:4:3: class=0x088000 card=0x800b1bcf chip=0x0e238086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Crystal Beach DMA Channel 3'
class = base peripheral
cap 11[80] = MSI-X supports 1 message
Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none57@pci:128:4:4: class=0x088000 card=0x800b1bcf chip=0x0e248086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Crystal Beach DMA Channel 4'
class = base peripheral
cap 11[80] = MSI-X supports 1 message
Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none58@pci:128:4:5: class=0x088000 card=0x800b1bcf chip=0x0e258086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Crystal Beach DMA Channel 5'
class = base peripheral
cap 11[80] = MSI-X supports 1 message
Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none59@pci:128:4:6: class=0x088000 card=0x800b1bcf chip=0x0e268086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Crystal Beach DMA Channel 6'
class = base peripheral
cap 11[80] = MSI-X supports 1 message
Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none60@pci:128:4:7: class=0x088000 card=0x800b1bcf chip=0x0e278086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Crystal Beach DMA Channel 7'
class = base peripheral
cap 11[80] = MSI-X supports 1 message
Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none61@pci:128:5:0: class=0x088000 card=0x800b1bcf chip=0x0e288086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown VTd/Memory Map/Misc'
class = base peripheral
cap 10[40] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
none62@pci:128:5:2: class=0x088000 card=0x800b1bcf chip=0x0e2a8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown IIO RAS'
class = base peripheral
cap 10[40] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
ioapic@pci:128:5:4: class=0x080020 card=0x800b1bcf chip=0x0e2c8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown IOAPIC'
class = base peripheral
subclass = interrupt controller
cap 10[44] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none63@pci:255:8:0: class=0x088000 card=0x800b1bcf chip=0x0e808086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown QPI Link 0'
class = base peripheral
none64@pci:255:9:0: class=0x088000 card=0x800b1bcf chip=0x0e908086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown QPI Link 1'
class = base peripheral
none65@pci:255:10:0: class=0x088000 card=0x800b1bcf chip=0x0ec08086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 0'
class = base peripheral
none66@pci:255:10:1: class=0x088000 card=0x800b1bcf chip=0x0ec18086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 1'
class = base peripheral
none67@pci:255:10:2: class=0x088000 card=0x800b1bcf chip=0x0ec28086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 2'
class = base peripheral
none68@pci:255:10:3: class=0x088000 card=0x800b1bcf chip=0x0ec38086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'

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device = 'Ivytown Power Control Unit 3'
class = base peripheral
none69@pci:255:10:4: class=0x088000 card=0x800b1bcf chip=0x0ec48086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 4'
class = base peripheral
none70@pci:255:11:0: class=0x088000 card=0x800b1bcf chip=0x0e1e8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Semaphore and Scratchpad Configuration Registers'
class = base peripheral
none71@pci:255:11:3: class=0x088000 card=0x800b1bcf chip=0x0e1f8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Semaphore and Scratchpad Configuration Registers'
class = base peripheral
none72@pci:255:12:0: class=0x088000 card=0x800b1bcf chip=0x0ee08086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none73@pci:255:12:1: class=0x088000 card=0x800b1bcf chip=0x0ee28086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none74@pci:255:12:2: class=0x088000 card=0x800b1bcf chip=0x0ee48086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none75@pci:255:13:0: class=0x088000 card=0x800b1bcf chip=0x0ee18086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none76@pci:255:13:1: class=0x088000 card=0x800b1bcf chip=0x0ee38086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none77@pci:255:13:2: class=0x088000 card=0x800b1bcf chip=0x0ee58086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none78@pci:255:14:0: class=0x088000 card=0x800b1bcf chip=0x0ea08086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Home Agent 0'
class = base peripheral
none79@pci:255:14:1: class=0x110100 card=0x800b1bcf chip=0x0e308086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Home Agent 0'
class = dasp
none80@pci:255:15:0: class=0x088000 card=0x800b1bcf chip=0x0ea88086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 0 Target Address/Thermal Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none81@pci:255:15:1: class=0x088000 card=0x800b1bcf chip=0x0e718086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 0 RAS Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none82@pci:255:15:2: class=0x088000 card=0x800b1bcf chip=0x0ea88086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none83@pci:255:15:3: class=0x088000 card=0x800b1bcf chip=0x0eab8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none84@pci:255:15:4: class=0x088000 card=0x800b1bcf chip=0x0eac8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none85@pci:255:15:5: class=0x088000 card=0x800b1bcf chip=0x0ead8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none86@pci:255:16:0: class=0x088000 card=0x800b1bcf chip=0x0eb08086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 0'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none87@pci:255:16:1: class=0x088000 card=0x800b1bcf chip=0x0eb18086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 1'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none88@pci:255:16:2: class=0x088000 card=0x800b1bcf chip=0x0eb28086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 0'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none89@pci:255:16:3: class=0x088000 card=0x800b1bcf chip=0x0eb38086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 1'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none90@pci:255:16:4: class=0x088000 card=0x800b1bcf chip=0x0eb48086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 2'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none91@pci:255:16:5: class=0x088000 card=0x800b1bcf chip=0x0eb58086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 3'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none92@pci:255:16:6: class=0x088000 card=0x800b1bcf chip=0x0eb68086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral

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```
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none93@pci0:255:16:7: class=0x088000 card=0x800b1bcf chip=0x0eb78086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 2'
 class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none94@pci0:255:19:0: class=0x088000 card=0x800b1bcf chip=0x0e1d8086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown R2PCIe'
 class = base peripheral
none95@pci0:255:19:1: class=0x110100 card=0x800b1bcf chip=0x0e348086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown PCI Express Ring Performance Monitoring'
 class = dasp
none96@pci0:255:19:4: class=0x088000 card=0x800b1bcf chip=0x0e818086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown QPI Ring Registers'
 class = base peripheral
none97@pci0:255:19:5: class=0x110100 card=0x800b1bcf chip=0x0e368086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown QPI Ring Performance Ring Monitoring'
 class = dasp
none98@pci0:255:22:0: class=0x088000 card=0x800b1bcf chip=0x0ec88086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown System Address Decoder'
 class = base peripheral
none99@pci0:255:22:1: class=0x088000 card=0x800b1bcf chip=0x0ec98086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown Broadcast Registers'
 class = base peripheral
none100@pci0:255:22:2: class=0x088000 card=0x800b1bcf chip=0x0eca8086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown Broadcast Registers'
 class = base peripheral
```

# ACPI電源管理データ詳細一覧

```
RSD PTR: OEM=ALASKA, ACPI_Rev=2.0x (2)
XSDT=0x7dbbc080, length=36, cksum=100
XSDT: Length=124, Revision=1, Checksum=53,
OEMID=ALASKA, OEM Table ID=065D, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
Entries={ 0x7dbc9880, 0x7dbc9990, 0x7dbc9b48, 0x7dbc9b90, 0x7dbc9bd0, 0x7dbca000, 0x7dbca030, 0x7dbca068, 0x7dbca128, 0x7dc9add8, 0x7dc9ae08 }
FACP: Length=268, Revision=5, Checksum=212,
OEMID=ALASKA, OEM Table ID=065D, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
FACS=0x7deab080, DSDT=0x7dbbc188
INT_MODEL=APIC
Preferred_PM_Profile=Workstation (3)
SCI_INT=9
SMI_CMD=0xb2, ACPI_ENABLE=0xa0, ACPI_DISABLE=0xa1, S4BIOS_REQ=0x0
PSTATE_CNT=0x0
PM1a_EVT_BLK=0x400-0x403
PM1a_CNT_BLK=0x404-0x405
PM2_CNT_BLK=0x450-0x450
PM_TMR_BLK=0x408-0x40b
GPE0_BLK=0x420-0x42f
P_LVL2_LAT=101 us, P_LVL3_LAT=1001 us
FLUSH_SIZE=1024, FLUSH_STRIDE=16
DUTY_OFFSET=1, DUTY_WIDTH=3
DAY_ALARM=13, MON_ALARM=0, CENTURY=50
IAPC_BOOT_ARCH={LEGACY_DEVICES,NO_ASPM}
Flags={WBINVD,C1_SUPPORTED,C2_MP_SUPPORTED,SLEEP_BUTTON,S4_RTC_WAKE,RESET_REGISTER,PLATFORM_CLOCK,S4_RTC_VALID,REMOTE_POWER_ON}
RESET_REG=0x50d:0[8] (IO), RESET_VALUE=0xee
FACS: Length=64, HwSig=0x00000000, FirmWake_Vec=0x00000000
Global_Lock=
Flags=
Version=2
DSDT: Length=55027, Revision=2, Checksum=150,
OEMID=ALASKA, OEM Table ID=065D, OEM Revision=0x15,
Creator ID=INTEL, Creator Revision=0x20091112
APIC: Length=436, Revision=3, Checksum=133,
OEMID=ALASKA, OEM Table ID=065D, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
Local APIC ADDR=0xfe000000
Flags={PC-AT}
Type=Local APIC
ACPI CPU=0
Flags={ENABLED}
APIC ID=0
Type=Local APIC
ACPI CPU=2
Flags={ENABLED}
APIC ID=2
Type=Local APIC
ACPI CPU=4
Flags={ENABLED}
APIC ID=4
Type=Local APIC
ACPI CPU=6
Flags={ENABLED}
APIC ID=6
Type=Local APIC
ACPI CPU=8
Flags={ENABLED}
APIC ID=8
Type=Local APIC
ACPI CPU=10
Flags={ENABLED}
APIC ID=10
Type=Local APIC
ACPI CPU=12
Flags={ENABLED}
APIC ID=32
Type=Local APIC
ACPI CPU=14
Flags={ENABLED}
APIC ID=34
Type=Local APIC
ACPI CPU=16
Flags={ENABLED}
APIC ID=36
Type=Local APIC
ACPI CPU=18
Flags={ENABLED}
APIC ID=38
Type=Local APIC
ACPI CPU=20
Flags={ENABLED}
APIC ID=40
Type=Local APIC
ACPI CPU=22
Flags={ENABLED}
APIC ID=42
Type=Local APIC
ACPI CPU=1
Flags={ENABLED}
APIC ID=1
Type=Local APIC
ACPI CPU=3
Flags={ENABLED}
APIC ID=3
Type=Local APIC
ACPI CPU=5
Flags={ENABLED}
APIC ID=5
Type=Local APIC
ACPI CPU=7
Flags={ENABLED}
APIC ID=7
Type=Local APIC
```

```

ACPI CPU=9
Flags={ENABLED}
APIC ID=9
Type=Local APIC
ACPI CPU=11
Flags={ENABLED}
APIC ID=11
Type=Local APIC
ACPI CPU=13
Flags={ENABLED}
APIC ID=33
Type=Local APIC
ACPI CPU=15
Flags={ENABLED}
APIC ID=35
Type=Local APIC
ACPI CPU=17
Flags={ENABLED}
APIC ID=37
Type=Local APIC
ACPI CPU=19
Flags={ENABLED}
APIC ID=39
Type=Local APIC
ACPI CPU=21
Flags={ENABLED}
APIC ID=41
Type=Local APIC
ACPI CPU=23
Flags={ENABLED}
APIC ID=43
Type=IO APIC
APIC ID=0
INT BASE=0
ADDR=0x00000000fec00000
Type=IO APIC
APIC ID=2
INT BASE=24
ADDR=0x00000000fec01000
Type=IO APIC
APIC ID=3
INT BASE=48
ADDR=0x00000000fec40000
Type=INT Override
BUS=0
IRQ=0
INTR=2
Flags={Polarity=conforming, Trigger=conforming}
Type=INT Override
BUS=0
IRQ=9
INTR=9
Flags={Polarity=active-hi, Trigger=level}
Type=Local APIC NMI
ACPI CPU=0
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=2
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=4
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=6
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=8
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=10
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=12
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=14
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=16
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=18
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=20
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=22
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=1
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=3
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}

```

```

Type=Local APIC NMI
ACPI CPU=5
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=7
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=9
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=11
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=13
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=15
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=17
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=19
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=21
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=23
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
FPDT: Length=68, Revision=1, Checksum=44,
OEMID=ALASKA, OEM Table ID=065D, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
MCFG: Length=60, Revision=1, Checksum=76,
OEMID=ALASKA, OEM Table ID=OEMMCFG., OEM Revision=0x1072009,
Creator ID=MSFT, Creator Revision=0x97
Base Address=0x0000000800000000
Segment Group=0x0000
Start Bus=0
End Bus=255
SRAT: Length=1072, Revision=1, Checksum=96,
OEMID=A M I, OEM Table ID=AMI SRAT, OEM Revision=0x1,
Creator ID=AMI., Creator Revision=0x0
Table Revision=1
Type=CPU
Flags={ENABLED}
APIC ID=0
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=1
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=2
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=3
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=4
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=5
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=6
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=7
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=8
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=9
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=10
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=11
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=32
Proximity Domain=1
Type=CPU
Flags={ENABLED}
APIC ID=33

```



```

Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
SLIT: Length=48, Revision=1, Checksum=230,
OEMID=A M I, OEM Table ID=AMI SLIT, OEM Revision=0x0,
Creator ID=AMI., Creator Revision=0x0
Locality Count=2
HPET: Length=56, Revision=1, Checksum=110,
OEMID=ALASKA, OEM Table ID=065D, OEM Revision=0x1072009,
Creator ID=AMI., Creator Revision=0x5
HPET Number=0
ADDR=0xfed0000:0[64] (Memory) HW Rev=0x1
Comparators=7
Counter Size=1
Legacy IRQ routing capable={TRUE}
PCI Vendor ID=0x8086
Minimal Tick=14318
PRAD: Length=190, Revision=2, Checksum=119,
OEMID=PRADID, OEM Table ID=PRADTID, OEM Revision=0x1,
Creator ID=MSFT, Creator Revision=0x3000001
SSDT: Length=855216, Revision=2, Checksum=202,
OEMID=INTEL, OEM Table ID=cpuPm, OEM Revision=0x4000,
Creator ID=INTL, Creator Revision=0x20051117
BERT: Length=48, Revision=1, Checksum=214,
OEMID=AMI, OEM Table ID=AMI BERT, OEM Revision=0x0,
Creator ID=, Creator Revision=0x0
DMAR: Length=296, Revision=1, Checksum=136,
OEMID=A M I, OEM Table ID=OEMDMAR, OEM Revision=0x1,
Creator ID=INTL, Creator Revision=0x1
Host Address Width=46
Flags={INTR_REMAP}
Type=DRHD
Length=96
Flags=
Segment=0
Address=0xfbf000
Type=IOAPIC
Length=8
EnumerationId=3
StartBusNumber=128
Path={5:4}
Type=PCI Sub-Hierarchy
Length=8
EnumerationId=0
StartBusNumber=128
Path={0:0}
Type=PCI Endpoint Device
Length=8
EnumerationId=0
StartBusNumber=128
Path={4:0}
Type=PCI Endpoint Device
Length=8
EnumerationId=0
StartBusNumber=128
Path={4:1}
Type=PCI Endpoint Device
Length=8
EnumerationId=0
StartBusNumber=128
Path={4:2}
Type=PCI Endpoint Device
Length=8
EnumerationId=0
StartBusNumber=128
Path={4:3}
Type=PCI Endpoint Device
Length=8
EnumerationId=0
StartBusNumber=128
Path={4:4}
Type=PCI Endpoint Device
Length=8
EnumerationId=0
StartBusNumber=128
Path={4:5}
Type=PCI Endpoint Device
Length=8
EnumerationId=0
StartBusNumber=128
Path={4:6}
Type=PCI Endpoint Device
Length=8
EnumerationId=0
StartBusNumber=128
Path={4:7}
Type=DRHD
Length=40
Flags={INCLUDE_ALL}
Segment=0
Address=0xe7ffc000
Type=IOAPIC
Length=8
EnumerationId=0
StartBusNumber=0
Path={31:7}
Type=IOAPIC
Length=8
EnumerationId=2
StartBusNumber=0

```



Path={5:4}  
Type=HPET  
Length=8  
EnumerationId=0  
StartBusNumber=240  
Path={15:0}  
Type=RMRR  
Length=40  
Segment=0  
BaseAddress=0x7d34e000  
LimitAddress=0x7d365fff  
Type=PCI Endpoint Device  
Length=8  
EnumerationId=0  
StartBusNumber=0  
Path={29:0}  
Type=PCI Endpoint Device  
Length=8  
EnumerationId=0  
StartBusNumber=0  
Path={26:0}  
Type=ATSR  
Length=32  
Flags=0  
Segment=0  
Type=PCI Sub-Hierarchy  
Length=8  
EnumerationId=0  
StartBusNumber=0  
Path={1:0}  
Type=PCI Sub-Hierarchy  
Length=8  
EnumerationId=0  
StartBusNumber=0  
Path={3:0}  
Type=PCI Sub-Hierarchy  
Length=8  
EnumerationId=0  
StartBusNumber=128  
Path={0:0}  
Type=RHSA  
Length=20  
BaseAddress=0xfbfef000  
ProximityDomain=0x00000001  
Type=RHSA  
Length=20  
BaseAddress=0xe7ffc000  
ProximityDomain=0x00000000

# ネットワークインターフェースデータ詳細一覧

```
bge0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>
ether 74:d4:35:67:f4:7c
inet 192.168.1.38 netmask 0xfffff00 broadcast 192.168.1.255
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect (1000baseT <full-duplex, master>)
status: active
bge1: flags=8802<BROADCAST, SIMPLEX, MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>
ether 74:d4:35:67:f4:7d
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect
bge2: flags=8802<BROADCAST, SIMPLEX, MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>
ether 74:d4:35:67:f4:7e
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect
bge3: flags=8802<BROADCAST, SIMPLEX, MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>
ether 74:d4:35:67:f4:7f
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect
lo0: flags=8049<UP, LOOPBACK, RUNNING, MULTICAST> metric 0 mtu 16384
options=600003<RXCSUM, TXCSUM, RXCSUM_IPV6, TXCSUM_IPV6>
inet6 ::1 prefixlen 128
inet6 fe80::1%lo0 prefixlen 64 scopeid 0x5
inet 127.0.0.1 netmask 0xffff0000
nd6 options=21<PERFORMNUD, AUTO_LINKLOCAL>
```

# デバイス認識詳細一覧

2	1 dr-xr-xr-x	9 root	wheel	512 Apr 19 22:02 /dev
92	0 lrwxr-xr-x	1 root	wheel	12 Apr 19 13:03 /dev/log -> /var/run/log
104	0 lrwxr-xr-x	1 root	wheel	12 Apr 19 22:02 /dev/dumpdev -> /dev/mfid0p3
3	0 cr--r--r--	1 root	wheel	0x3 Apr 19 13:01 /dev/sndstat
4	0 crw-r-----	1 root	operator	0x4 Apr 19 13:01 /dev/geom.ctl
5	0 crw-----	1 root	wheel	0x5 Apr 19 13:01 /dev/devctl
6	0 crw-----	1 root	wheel	0x6 Apr 19 13:27 /dev/console
7	0 crw-----	1 root	wheel	0x7 Apr 19 13:01 /dev/kbdmux0
8	0 lrwxr-xr-x	1 root	wheel	7 Apr 19 13:01 /dev/kbd1 -> kbdmux0
9	0 crw-rw-rw-	1 root	wheel	0x9 Apr 19 13:01 /dev/tty
10	0 crw-r-----	1 root	kmem	0xa Apr 19 13:01 /dev/mem
11	0 crw-r-----	1 root	kmem	0xb Apr 19 13:01 /dev/kmem
12	0 crw-----	1 root	wheel	0xc Apr 19 13:01 /dev/fido
13	0 crw-----	1 root	wheel	0xd Apr 19 13:03 /dev/bpf
14	0 lrwxr-xr-x	1 root	wheel	3 Apr 19 13:01 /dev/bpf0 -> bpf
15	0 crw-rw-rw-	1 root	wheel	0xf Apr 19 14:44 /dev/null
16	0 crw-rw-rw-	1 root	wheel	0x10 Apr 19 13:01 /dev/zero
17	0 crw-r--r--	1 root	wheel	0x11 Apr 19 13:01 /dev/pci
18	0 crw-----	1 root	kmem	0x12 Apr 19 13:01 /dev/nfslock
19	0 crw-----	1 root	kmem	0x13 Apr 19 13:01 /dev/audit
20	0 crw-rw-rw-	1 root	wheel	0x14 Apr 19 22:02 /dev/random
21	0 lrwxr-xr-x	1 root	wheel	6 Apr 19 13:01 /dev/urandom -> random
100	1 dr-xr-xr-x	2 root	wheel	512 Apr 19 13:01 /dev/fd
22	0 crw-rw-rw-	1 root	wheel	0x16 Apr 19 13:01 /dev/fd/0
24	0 crw-rw-rw-	1 root	wheel	0x18 Apr 19 13:01 /dev/fd/1
26	0 crw-rw-rw-	1 root	wheel	0x1a Apr 19 13:01 /dev/fd/2
23	0 lrwxr-xr-x	1 root	wheel	4 Apr 19 13:01 /dev/stdin -> fd/0
25	0 lrwxr-xr-x	1 root	wheel	4 Apr 19 13:01 /dev/stdout -> fd/1
27	0 lrwxr-xr-x	1 root	wheel	4 Apr 19 13:01 /dev/stderr -> fd/2
28	0 crw-----	1 root	wheel	0x1c Apr 19 13:01 /dev/io
29	0 crw-rw-rw-	1 root	wheel	0x1d Apr 19 13:01 /dev/midistat
30	0 crw-----	1 root	wheel	0x1e Apr 19 13:01 /dev/synmouse
31	0 crw-----	1 root	wheel	0x1f Apr 19 13:01 /dev/klog
32	0 crw-r--r--	1 root	wheel	0x20 Apr 19 13:01 /dev/acpi
33	0 crw-rw-rw-	1 root	operator	0x21 Apr 19 13:01 /dev/apmctl
34	0 crw-rw-rw-	1 root	operator	0x22 Apr 19 13:01 /dev/apm
35	0 crw-r-----	1 root	operator	0x23 Apr 19 13:01 /dev/mfi0
36	0 lrwxr-xr-x	1 root	wheel	4 Apr 19 13:01 /dev/megaraid_sas_ioctl_node -> mfi0
37	0 crw-----	1 root	wheel	0x25 Apr 19 13:01 /dev/ttyu0
38	0 crw-----	1 root	wheel	0x26 Apr 19 13:01 /dev/ttyu0.init
39	0 crw-----	1 root	wheel	0x27 Apr 19 13:01 /dev/ttyu0.lock
40	0 crw-rw-rw-	1 uucp	dialer	0x28 Apr 19 13:01 /dev/cua0
41	0 crw-rw-rw-	1 uucp	dialer	0x29 Apr 19 13:01 /dev/cua0.init
42	0 crw-rw-rw-	1 uucp	dialer	0x2a Apr 19 13:01 /dev/cua0.lock
43	0 crw-----	1 root	wheel	0x2b Apr 19 13:01 /dev/ttyu1
44	0 crw-----	1 root	wheel	0x2c Apr 19 13:01 /dev/ttyu1.init
45	0 crw-----	1 root	wheel	0x2d Apr 19 13:01 /dev/ttyu1.lock
46	0 crw-rw-rw-	1 uucp	dialer	0x2e Apr 19 13:01 /dev/cua1
47	0 crw-rw-rw-	1 uucp	dialer	0x2f Apr 19 13:01 /dev/cua1.init
48	0 crw-rw-rw-	1 uucp	dialer	0x30 Apr 19 13:01 /dev/cua1.lock
49	0 crw-----	1 root	tty	0x31 Apr 19 14:53 /dev/ttyv0
50	0 crw-----	1 root	wheel	0x32 Apr 19 13:03 /dev/ttyv1
51	0 crw-----	1 root	wheel	0x33 Apr 19 13:03 /dev/ttyv2
52	0 crw-----	1 root	wheel	0x34 Apr 19 13:03 /dev/ttyv3
53	0 crw-----	1 root	wheel	0x35 Apr 19 13:03 /dev/ttyv4
54	0 crw-----	1 root	wheel	0x36 Apr 19 13:03 /dev/ttyv5
55	0 crw-----	1 root	wheel	0x37 Apr 19 13:03 /dev/ttyv6
56	0 crw-----	1 root	wheel	0x38 Apr 19 13:03 /dev/ttyv7
57	0 crw-----	1 root	wheel	0x39 Apr 19 13:01 /dev/ttyv8
58	0 crw-----	1 root	wheel	0x3a Apr 19 13:01 /dev/ttyv9
59	0 crw-----	1 root	wheel	0x3b Apr 19 13:01 /dev/ttyva
60	0 crw-----	1 root	wheel	0x3c Apr 19 13:01 /dev/ttyvb
61	0 crw-----	1 root	wheel	0x3d Apr 19 13:01 /dev/ttyvc
62	0 crw-----	1 root	wheel	0x3e Apr 19 13:01 /dev/ttyvd
63	0 crw-----	1 root	wheel	0x3f Apr 19 13:01 /dev/ttyve
64	0 crw-----	1 root	wheel	0x40 Apr 19 13:01 /dev/ttyvf
65	0 crw-----	1 root	wheel	0x41 Apr 19 13:01 /dev/consoclet1
66	0 crw-----	1 root	wheel	0x42 Apr 19 13:01 /dev/ufssuspend
68	0 crw-r--r--	1 root	operator	0x44 Apr 19 13:01 /dev/usbctl
69	0 crw-----	1 root	operator	0x45 Apr 19 13:01 /dev/xpt0
70	0 crw-----	1 root	wheel	0x46 Apr 19 13:01 /dev/mdctl
101	1 dr-xr-xr-x	2 root	wheel	512 Apr 19 13:01 /dev/usb
71	0 crw-----	1 root	operator	0x47 Apr 19 13:01 /dev/usb/0.1.0
73	0 crw-----	1 root	operator	0x49 Apr 19 13:01 /dev/usb/1.1.0
75	0 crw-----	1 root	operator	0x4b Apr 19 13:01 /dev/usb/1.1.1
76	0 crw-----	1 root	operator	0x4c Apr 19 13:01 /dev/usb/0.1.1
78	0 crw-----	1 root	operator	0x4e Apr 19 13:01 /dev/usb/1.2.0
80	0 crw-----	1 root	operator	0x50 Apr 19 13:01 /dev/usb/0.2.0
82	0 crw-----	1 root	operator	0x52 Apr 19 13:01 /dev/usb/1.2.1
83	0 crw-----	1 root	operator	0x53 Apr 19 13:01 /dev/usb/0.2.1
94	0 crw-----	1 root	operator	0x5e Apr 19 13:01 /dev/usb/1.3.0
96	0 crw-----	1 root	operator	0x60 Apr 19 13:01 /dev/usb/1.3.1
97	0 crw-----	1 root	operator	0x61 Apr 19 13:01 /dev/usb/1.3.2
93	0 crw-----	1 root	operator	0x5d Apr 19 14:44 /dev/usb/0.3.0
105	0 crw-----	1 root	operator	0x69 Apr 19 14:44 /dev/usb/0.3.1
106	0 crw-----	1 root	operator	0x6a Apr 19 14:45 /dev/usb/0.4.0
108	0 crw-----	1 root	operator	0x6c Apr 19 14:45 /dev/usb/0.4.1
111	0 crw-----	1 root	operator	0x6f Apr 19 14:52 /dev/usb/0.5.0
115	0 crw-----	1 root	operator	0x73 Apr 19 14:52 /dev/usb/0.5.1
116	0 crw-----	1 root	operator	0x74 Apr 19 14:52 /dev/usb/0.5.2
72	0 lrwxr-xr-x	1 root	wheel	9 Apr 19 13:01 /dev/ugen0.1 -> usb/0.1.0
74	0 lrwxr-xr-x	1 root	wheel	9 Apr 19 13:01 /dev/ugen1.1 -> usb/1.1.0
77	0 cr-----	1 root	wheel	0x4d Apr 19 13:01 /dev/devstat
79	0 lrwxr-xr-x	1 root	wheel	9 Apr 19 13:01 /dev/ugen1.2 -> usb/1.2.0
81	0 lrwxr-xr-x	1 root	wheel	9 Apr 19 13:01 /dev/ugen0.2 -> usb/0.2.0
84	0 crw-----	1 root	operator	0x54 Apr 19 13:01 /dev/pass0
85	0 crw-r-----	1 root	operator	0x55 Apr 19 13:01 /dev/mfid0
86	0 crw-r-----	1 root	operator	0x56 Apr 19 13:01 /dev/mfid0p1
87	0 crw-r-----	1 root	operator	0x57 Apr 19 22:02 /dev/mfid0p2
88	0 crw-r-----	1 root	operator	0x58 Apr 19 22:02 /dev/mfid0p3
89	0 crw-r-----	1 root	operator	0x59 Apr 19 13:01 /dev/cd0
102	1 dr-xr-xr-x	2 root	wheel	512 Apr 19 13:01 /dev/gptid
90	0 crw-r-----	1 root	operator	0x5a Apr 19 13:01 /dev/gptid/34ff9581-c7c2-11e3-b92d-74d43567f47c
95	0 lrwxr-xr-x	1 root	wheel	9 Apr 19 13:01 /dev/ugen1.3 -> usb/1.3.0

```
98 0 crw----- 1 root
99 0 lrwxr-xr-x 1 root
91 0 crw-r--r-- 1 root
103 0 lrwxr-xr-x 1 root
107 0 lrwxr-xr-x 1 root
109 0 crw----- 1 root
110 0 lrwxr-xr-x 1 root
112 0 lrwxr-xr-x 1 root
117 0 crw----- 1 root
118 0 crw-r----- 1 root
```

```
wheel
wheel
operator
wheel
wheel
wheel
wheel
wheel
operator
operator
```

```
0x62 Apr 19 13:01 /dev/ukbd0
5 Apr 19 13:01 /dev/kbd0 -> ukbd0
0x5b Apr 19 13:03 /dev/ums0
9 Apr 19 14:52 /dev/ugen0.3 -> usb/0.3.0
9 Apr 19 14:52 /dev/ugen0.4 -> usb/0.4.0
0x6d Apr 19 14:45 /dev/ukbd1
5 Apr 19 14:52 /dev/kbd2 -> ukbd1
9 Apr 19 14:52 /dev/ugen0.5 -> usb/0.5.0
0x75 Apr 19 14:52 /dev/pass1
0x76 Apr 19 14:52 /dev/da0
```

## 更新履歷

## 更新履歴

- 2014年04月19日 FreeBSD動作検証レポート2014年4月19日版作成

# FreeBSD動作検証レポート

## R110e-1M / 10.0-STABLE

### 対象ハードウェア

maker:NEC, product:Express5800/R120e-1E [N8100-2124Y],  
serial:4300153, version:FR1.1

### 対象OSバージョン

FreeBSD 10.0-STABLE #0 r262915: Sat Mar 8 03:13:32 UTC 2014

2014年4月19日版

BSDコンサルティング株式会社

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