

FreeBSD動作検証レポート

R120e-2M / 10.0-STABLE

対象ハードウェア

maker:NEC, product:Express5800/R120e-1M [N8100-2056Y],
serial:3X00105, 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3月12日版

BSDコンサルティング株式会社

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Contact us: info@bsdconsulting.co.jp

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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	00d2784b-7235-e311-8001-d43d7e785977
製品データ	maker:NEC, product:Express5800/R120e-1M [N8100-2056Y], serial:3X00105, version:FR1.1
筐体データ	maker:NEC, serial:01, tag:_____, version:856-857570-001
CPU	Intel(R) Xeon(R) CPU E5-2609 v2 @ 2.50GHz
MEMORY	16777216[KB]
BIOS	reldate:08/08/2013, vendor:American Megatrends Inc., version:4.6.0005
ACPI	oem:ALASKA, revision:2, rsdp:0x000f0490, rsdt:0x7c98d028, xsdt:0x000000007c98d080
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	22.435 GBi/sec
IPv4スタック処理速度	未検出
IPv6スタック処理速度	157.120 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-1M [N8100-2056Y], serial:3X00105, 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。

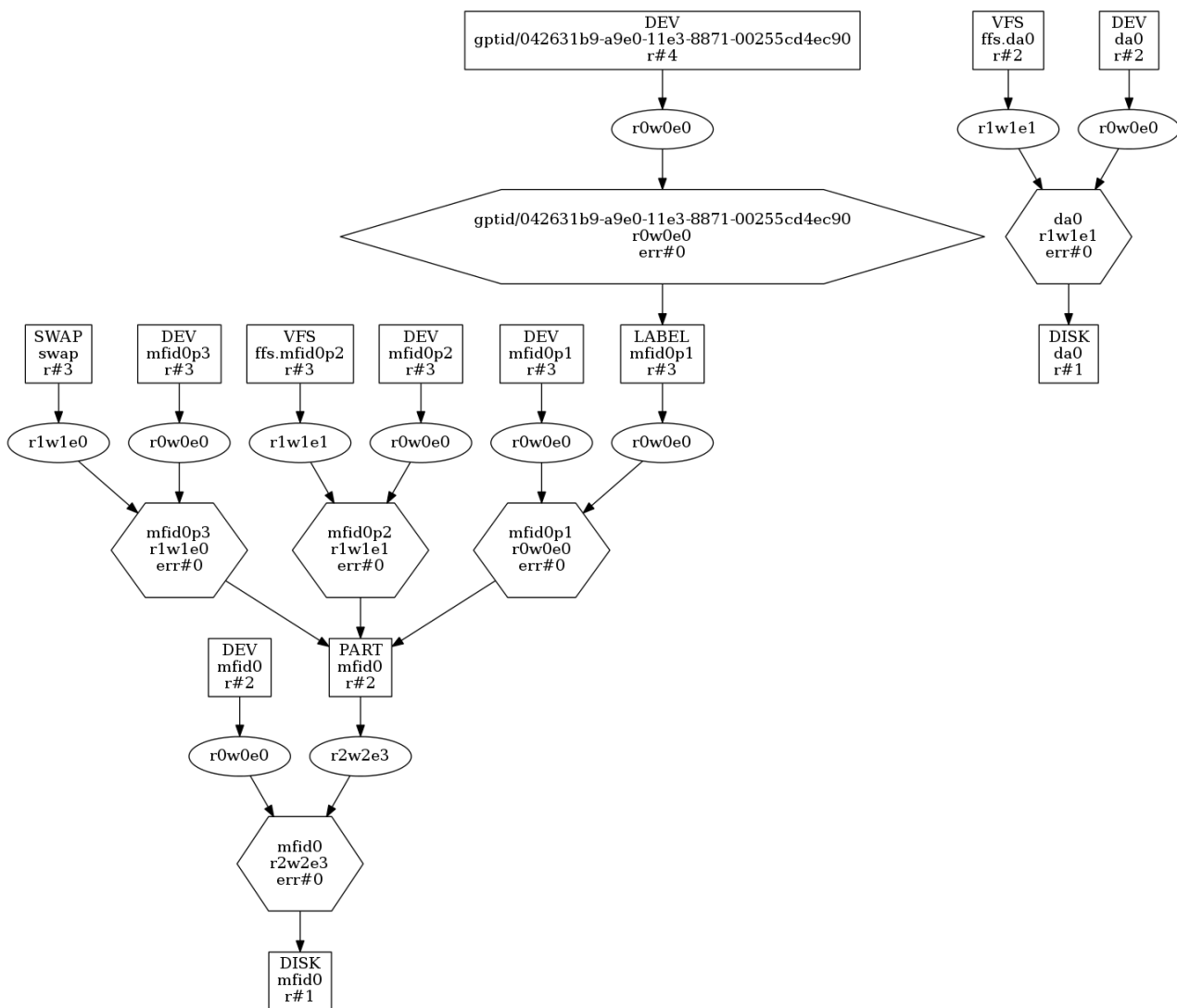
FreeBSD 10.1-RELEASEがリリースされるよりも前の段階でリリースバージョンでの使用が必要とされる場合、リリースバージョンでの使用が必要とされる場合、FreeBSD 10.0-RELEASEのユーザーランドにFreeBSD 10.0-STABLEのカーネルを組み合わせる方法を利用する方法を検討できる。本番環境での使用にあたっては実施前にその組み合わせでの負荷試験の実施が推奨される。

※ 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-1MとNEC Express5800/R120e-2M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-1M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-2M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-1M [N8100-2056Y], serial:3X00105, 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=0645, 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=0645, OEM_Revision=0x15, Creator_ID=INTL, Creator_Revision=0x20091112
ACPI_FACP	Revision=5, OEMID=ALASKA, OEM_Table ID=0645, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013, FACS=0x7cc6a080, DSDT=0x7c98d188, SMI_CMD=0xb2, ACPI_ENABLE=0xa0, ACPI_DISABLE=0xa1, S4BIOS_REQ=0x0, FLUSH_STRIDE=16, DUTY_WIDTH=3, RESET_VALUE=0xfe
ACPI_FACS	HwSig=0x00000000, Firm_Wake_Vec=0x00000000
ACPI_FPDT	Revision=1, OEMID=ALASKA, OEM_Table ID=0645, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_HPET	Revision=1, OEMID=ALASKA, OEM_Table ID=0645, 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=0x7c98d080
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=0645, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_SSDT_1	Length=855216, Revision=2, Checksum=242, 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: SV32233771, Firmware: 23.11.0-0034, RAID Levels: JBOD, RAID0, RAID1, RAID5, RAID6, RAID10, RAID50, Battery Backup: not present, NVRAM: 32K, Onboard Memory: 512M, Minimum Stripe: 8K, Maximum Stripe: 1M
ドライバ	mfi0 Physical Drives:, 8 (136G) ONLINE lt;FUJITSU MBD2147RC 2902 serial=DOC1PA100183gt; SAS E1:S0
ボリューム	mfi0 Volumes:, Id Size Level Stripe State Cache Name, mfid0 (136G) RAID-0 256K OPTIMAL Disabled
コンフィグ	mfi0 Configuration: 1 arrays, 1 volumes, 0 spares, array 0 of 1 drives:, drive 8 (136G) ONLINE lt;FUJITSU MBD2147RC 2902 serial=DOC1PA100183gt; SAS, volume mfid0 (136G) RAID-0 256K OPTIMAL 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mpt(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=8802<BROADCAST,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=00:25:5c:d4:ec:90, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect
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=00:25:5c:d4:ec:91, 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=d4:3d:7e:78:58:e8, 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=d4:3d:7e:78:58:e9, 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)	console	consolectl
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/042631b9-a9e0-11e3-8871-00255cd4ec90	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	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	pci0:0:0:0(hostb0), class=HOST-PCI, vendor='Intel Corporation', device='Ivytown DMI2'
2	pci0:0:1:0(pcb1), class=PCI-PCI, vendor='Intel Corporation', device=''
3	pci0:0:2:0(pcb2), class=PCI-PCI, vendor='Intel Corporation', device='Ivytown PCI Express Root Port 2a'
4	pci0:0:3:0(pcb3), class=PCI-PCI, vendor='Intel Corporation', device='Ivytown PCI Express Root Port 3a'
5	pci0:0:3:2(pcb4), class=PCI-PCI, vendor='Intel Corporation', device='Ivytown PCI Express Root Port 3c'
6	pci0:0:4:0(none0), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 0'
7	pci0:0:4:1(none1), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 1'
8	pci0:0:4:2(none2), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 2'
9	pci0:0:4:3(none3), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 3'
10	pci0:0:4:4(none4), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 4'
11	pci0:0:4:5(none5), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 5'
12	pci0:0:4:6(none6), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 6'
13	pci0:0:4:7(none7), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 7'
14	pci0:0:5:0(none8), class=base peripheral, vendor='Intel Corporation', device='Ivytown VTd/Memory Map/Misc'
15	pci0:0:5:2(none9), class=base peripheral, vendor='Intel Corporation', device='Ivytown IIO RAS'
16	pci0:0:5:4(ioapic0), class=interrupt controller, vendor='Intel Corporation', device='Ivytown IOAPIC'
17	pci0:0:17:0(pcb5), class=PCI-PCI, vendor='Intel Corporation', device='C600/X79 series chipset PCI Express Virtual Root Port'
18	pci0:0:22:0(none10), class=simple comms, vendor='Intel Corporation', device='C600/X79 series chipset MEI Controller'
19	pci0:0:22:1(none11), class=simple comms, vendor='Intel Corporation', device='C600/X79 series chipset MEI Controller'
20	pci0:0:26:0(ehci0), class=USB, vendor='Intel Corporation', device='C600/X79 series chipset USB2 Enhanced Host Controller'
21	pci0:0:28:0(pcb6), class=PCI-PCI, vendor='Intel Corporation', device='C600/X79 series chipset PCI Express Root Port 1'
22	pci0:0:28:4(pcb7), 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(pcb8), 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	pci0:0:31:6(none13), class=dasp, vendor='Intel Corporation', device='C600/X79 series chipset Thermal Management Controller'
30	pci0:33:0:0(mfi0), class=RAID, vendor='LSI Logic / Symbios Logic', device='MegaRAID SAS 2208 [Thunderbolt]'
31	pci0:45:0:0(bge0), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5718 Gigabit Ethernet PCIe'
32	pci0:45:0:1(bge1), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5718 Gigabit Ethernet PCIe'
33	pci0:2:0:0(bge2), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5718 Gigabit Ethernet PCIe'
34	pci0:2:0:1(bge3), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5718 Gigabit Ethernet PCIe'
35	pci0:5:0:0(vgapci0), class=VGA, vendor='Matrox Electronics Systems Ltd.', device='MGA G200e [Pilot] ServerEngines (SEP1)'
36	pci0:127:8:0(none14), class=base peripheral, vendor='Intel Corporation', device='Ivytown QPI Link 0'
37	pci0:127:9:0(none15), class=base peripheral, vendor='Intel Corporation', device='Ivytown QPI Link 1'
38	pci0:127:10:0(none16), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 0'
39	pci0:127:10:1(none17), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 1'
40	pci0:127:10:2(none18), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 2'
41	pci0:127:10:3(none19), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 3'
42	pci0:127:10:4(none20), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 4'
43	pci0:127:11:0(none21), class=base peripheral, vendor='Intel Corporation', device='Ivytown Semaphore and Scratchpad Configuration Registers'
44	pci0:127:11:3(none22), class=base peripheral, vendor='Intel Corporation', device='Ivytown Semaphore and Scratchpad Configuration Registers'
45	pci0:127:12:0(none23), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
46	pci0:127:12:1(none24), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
47	pci0:127:13:0(none25), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
48	pci0:127:13:1(none26), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'

49	pci0:127:14:0(none27), class=base peripheral, vendor='Intel Corporation', device='Ivytown Home Agent 0'
50	pci0:127:14:1(none28), class=dasp, vendor='Intel Corporation', device='Ivytown Home Agent 0'
51	pci0:127:15:0(none29), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Target Address/Thermal Registers'
52	pci0:127:15:1(none30), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 RAS Registers'
53	pci0:127:15:2(none31), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
54	pci0:127:15:3(none32), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
55	pci0:127:15:4(none33), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
56	pci0:127:15:5(none34), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
57	pci0:127:16:0(none35), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 0'
58	pci0:127:16:1(none36), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 1'
59	pci0:127:16:2(none37), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 0'
60	pci0:127:16:3(none38), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 1'
61	pci0:127:16:4(none39), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 2'
62	pci0:127:16:5(none40), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 3'
63	pci0:127:16:6(none41), class=base peripheral, vendor='Intel Corporation', device='
64	pci0:127:16:7(none42), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 2'
65	pci0:127:19:0(none43), class=base peripheral, vendor='Intel Corporation', device='Ivytown R2PCIe'
66	pci0:127:19:1(none44), class=dasp, vendor='Intel Corporation', device='Ivytown PCI Express Ring Performance Monitoring'
67	pci0:127:19:4(none45), class=base peripheral, vendor='Intel Corporation', device='Ivytown QPI Ring Registers'
68	pci0:127:19:5(none46), class=dasp, vendor='Intel Corporation', device='Ivytown QPI Ring Performance Ring Monitoring'
69	pci0:127:22:0(none47), class=base peripheral, vendor='Intel Corporation', device='Ivytown System Address Decoder'
70	pci0:127:22:1(none48), class=base peripheral, vendor='Intel Corporation', device='Ivytown Broadcast Registers'
71	pci0:127:22:2(none49), class=base peripheral, vendor='Intel Corporation', device='Ivytown Broadcast Registers'
72	pci0:128:0:0(pcib11), class=PCI-PCI, vendor='Intel Corporation', device='Ivytown PCI Express Root Port in DMI2 Mode'
73	pci0:128:2:0(pcib12), class=PCI-PCI, vendor='Intel Corporation', device='Ivytown PCI Express Root Port 2a'
74	pci0:128:4:0(none50), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 0'
75	pci0:128:4:1(none51), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 1'
76	pci0:128:4:2(none52), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 2'
77	pci0:128:4:3(none53), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 3'
78	pci0:128:4:4(none54), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 4'
79	pci0:128:4:5(none55), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 5'
80	pci0:128:4:6(none56), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 6'
81	pci0:128:4:7(none57), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 7'
82	pci0:128:5:0(none58), class=base peripheral, vendor='Intel Corporation', device='Ivytown VTd/Memory Map/Misc'
83	pci0:128:5:2(none59), class=base peripheral, vendor='Intel Corporation', device='Ivytown IIO RAS'
84	pci0:128:5:4(ioapic1), class=interrupt controller, vendor='Intel Corporation', device='Ivytown IOAPIC'
85	pci0:255:8:0(none60), class=base peripheral, vendor='Intel Corporation', device='Ivytown QPI Link 0'
86	pci0:255:9:0(none61), class=base peripheral, vendor='Intel Corporation', device='Ivytown QPI Link 1'
87	pci0:255:10:0(none62), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 0'
88	pci0:255:10:1(none63), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 1'
89	pci0:255:10:2(none64), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 2'
90	pci0:255:10:3(none65), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 3'
91	pci0:255:10:4(none66), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 4'

92	pci0:255:11:0(none67), class=base peripheral, vendor='Intel Corporation', device='Ivytown Semaphore and Scratchpad Configuration Registers'
93	pci0:255:11:3(none68), class=base peripheral, vendor='Intel Corporation', device='Ivytown Semaphore and Scratchpad Configuration Registers'
94	pci0:255:12:0(none69), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
95	pci0:255:12:1(none70), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
96	pci0:255:13:0(none71), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
97	pci0:255:13:1(none72), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
98	pci0:255:14:0(none73), class=base peripheral, vendor='Intel Corporation', device='Ivytown Home Agent 0'
99	pci0:255:14:1(none74), class=dasp, vendor='Intel Corporation', device='Ivytown Home Agent 0'
100	pci0:255:15:0(none75), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Target Address/Thermal Registers'
101	pci0:255:15:1(none76), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 RAS Registers'
102	pci0:255:15:2(none77), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
103	pci0:255:15:3(none78), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
104	pci0:255:15:4(none79), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
105	pci0:255:15:5(none80), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
106	pci0:255:16:0(none81), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 0'
107	pci0:255:16:1(none82), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 1'
108	pci0:255:16:2(none83), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 0'
109	pci0:255:16:3(none84), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 1'
110	pci0:255:16:4(none85), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 2'
111	pci0:255:16:5(none86), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 3'
112	pci0:255:16:6(none87), class=base peripheral, vendor='Intel Corporation', device=
113	pci0:255:16:7(none88), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 2'
114	pci0:255:19:0(none89), class=base peripheral, vendor='Intel Corporation', device='Ivytown R2PCIe'
115	pci0:255:19:1(none90), class=dasp, vendor='Intel Corporation', device='Ivytown PCI Express Ring Performance Monitoring'
116	pci0:255:19:4(none91), class=base peripheral, vendor='Intel Corporation', device='Ivytown QPI Ring Registers'
117	pci0:255:19:5(none92), class=dasp, vendor='Intel Corporation', device='Ivytown QPI Ring Performance Ring Monitoring'
118	pci0:255:22:0(none93), class=base peripheral, vendor='Intel Corporation', device='Ivytown System Address Decoder'
119	pci0:255:22:1(none94), class=base peripheral, vendor='Intel Corporation', device='Ivytown Broadcast Registers'
120	pci0:255:22:2(none95), 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="0x7c98d028"
hint.acpi.0.xsdt="0x00000007c98d080"
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="08/08/2013"
smbios.bios.vendor="American Megatrends Inc."
smbios.bios.version="4.6.0005"
smbios.chassis.maker="NEC"
smbios.chassis.serial="01"
smbios.chassis.tag=""
smbios.chassis.version="856-857570-001"
smbios.memory.enabled="16777216"
smbios.planar.maker="MICRO-STAR"
smbios.planar.product="MS-S0821"
smbios.planar.serial="D816814337"
smbios.planar.version="S10"
smbios.socket.enabled="2"
smbios.socket.populated="2"
smbios.system.maker="NEC"
smbios.system.product="Express5800/R120e-1M [N8100-2056Y]"
smbios.system.serial="3X00105"
smbios.system.uuid="00d2784b-7235-e311-8001-d43d7e785977"
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: 348819
kern.maxproc: 21700
kern.maxfiles: 521805
kern.argmax: 262144
kern.securelevel: -1
kern.hostname: r120e1m.bsdconsulting.co.jp
kern.hostid: 2611048955
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 = 1394594498, usec = 835757 } Wed Mar 12 12:21:38 2014
kern.domainname:
kern.osreldate: 1000704
kern.bootfile: /boot/kernel/kernel
kern.maxfilesperproc: 469620
kern.maxprocperuid: 19530
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: 8303128576
kern.ipc.nmbclusters: 1013566
kern.ipc.nmbjumbo: 506782
kern.ipc.nmbjumbo9: 450471
kern.ipc.nmbjumbo16: 337852
kern.ipc.nmbufts: 6486825
kern.ipc.maxpipekva: 267161600
kern.ipc.pipekva: 0
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.shmax: 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: 12
kern.ipc.maxsockets: 521805
kern.ipc.sendfile.readahead: 1
kern.dummy: 0
kern.ps_strings: 140737488351200
kern.usrstack: 140737488351232
kern.logsigexit: 1
kern.iov_max: 1024
kern.hostuuid: 00d2784b-7235-e311-8001-d43d7e785977
kern.cam.sort_io_queues: 1
kern.cam.boot_delay: 0
kern.cam.num_doneqs: 2
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.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
kern.cam.da.0.sort_io_queue: -1
```

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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 mfid0
kern.geom.dev.delete_max_sectors: 262144
kern.geom.disk.mfid0.led:
kern.geom.disk.da0.led:
kern.geom.transient_maps: 1347
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.confxt: 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_chkfreq: 15
kern.acct_configured: 0
kern.acct_suspended: 0
kern.cp_time: 329 1 1017 136 887533
kern.cp_times: 81 0 575 55 110876 56 0 49 1 110955 10 0 73 1 110977 13 1 79 4 110965 22 0 86 8 110945 105 0 49 38 110870 25 0 50 17 110969 17 0 56 12 110976
kern.console: ttyv0,/ttyv0,uart,
kern.consmute: 0
kern.consmgbuf_size: 8192
kern.constty_wakeups_per_second: 5
kern.openfiles: 54
kern.eventtimer.et.LAPIC.flags: 7
kern.eventtimer.et.LAPIC.frequency: 50001143
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: 7
kern.eventtimer.et.HPET.frequency: 14318180
kern.eventtimer.et.HPET.quality: 550
kern.eventtimer.choice: LAPIC(600) HPET(550) 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

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kern.ps_arg_cache_limit: 256
kern.disallow_high_osrel: 0
kern.lastpid: 1933
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: 1355
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.uffs_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.forcesigext: 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: 24798
kern.timecounter.tc.i8254.frequency: 1193182
kern.timecounter.tc.i8254.quality: 0
kern.timecounter.tc.HPET.mask: 4294967295
kern.timecounter.tc.HPET.counter: 4063928943
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: 7808466
kern.timecounter.tc.ACPI-fast.frequency: 3579545
kern.timecounter.tc.ACPI-fast.quality: 900
kern.timecounter.tc.TSC-low.mask: 4294967295
kern.timecounter.tc.TSC-low.counter: 1810360980
kern.timecounter.tc.TSC-low.frequency: 1250028432
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.ccpu: 0
kern.devstat.numdevs: 3
kern.devstat.generation: 219
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: 105025
kern.nsubuf: 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: 7
kern.smp.maxcpus: 64
kern.smp.active: 1
kern.smp.disabled: 0
kern.smp.cpus: 8
kern.smp.topology: 0
kern.smp.forward_signal_enabled: 1
kern.tty_inq_flush_secure: 1
kern.tty_nin: 139
kern.tty_nout: 6654
kern.filedelay: 30
kern.dirdelay: 29
kern.metadelay: 28
kern.minvnodes: 87204
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: 19)
Virtual Memory:    (Total: 436508K Active: 425048K)
Real Memory:       (Total: 127080K Active: 25188K)
Shared Virtual Memory: (Total: 5432K Active: 5432K)
Shared Real Memory: (Total: 5044K Active: 5044K)
Free Memory:       15994508K
vm.loadavg: { 0.04 0.05 0.06 }
vm.v_free_min: 25598
vm.v_free_target: 86408
vm.v_free_reserved: 5328
vm.v_inactive_target: 129612
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: 16606257152
vm.kmem_size_min: 0
vm.kmem_size_max: 1319413950874
vm.kmem_size_scale: 1
vm.kmem_map_size: 28803072
vm.kmem_map_free: 16577454080
vm.swap_total: 4227821568
vm.swap_reserved: 223694848
vm.overcommit: 0
vm.swap_async_max: 4
vm.dmmmax: 32
vm.nswapdev: 1
vm.zone_count: 100
vm.zone_warnings: 1
vm.kstack_cache_size: 128
vm.kstacks: 124
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: 15463
vm.stats.sys.v_swtdch: 141540
vm.stats.sys.v_trap: 119793
vm.stats.sys.v_syscall: 149565
vm.stats.sys.v_intr: 9016
vm.stats.sys.v_soft: 18539
vm.stats.vm.v_vm_faults: 110060
vm.stats.vm.v_io_faults: 697
vm.stats.vm.v_cow_faults: 52943
vm.stats.vm.v_cow_optim: 374
vm.stats.vm.v_zfod: 38228
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: 732
vm.stats.vm.v_vnodeout: 0
vm.stats.vm.v_vnodepgsin: 3582
vm.stats.vm.v_vnodepgsout: 0

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vm.stats.vm.v_intrans: 0
vm.stats.vm.v_reactivated: 0
vm.stats.vm.v_pdwakeups: 0
vm.stats.vm.v_ppages: 3418
vm.stats.vm.v_tcached: 0
vm.stats.vm.v_dfree: 0
vm.stats.vm.v_pfree: 66267
vm.stats.vm.v_tfree: 298942
vm.stats.vm.v_page_size: 4096
vm.stats.vm.v_page_count: 4054262
vm.stats.vm.v_free_reserved: 5328
vm.stats.vm.v_free_target: 86408
vm.stats.vm.v_free_min: 25598
vm.stats.vm.v_free_count: 3998626
vm.stats.vm.v_wire_count: 48570
vm.stats.vm.v_active_count: 3247
vm.stats.vm.v_inactive_target: 129612
vm.stats.vm.v_inactive_count: 3732
vm.stats.vm.v_cache_count: 0
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: 1720
vm.stats.vm.v_vforks: 197
vm.stats.vm.v_rforks: 0
vm.stats.vm.v_kthreads: 16
vm.stats.vm.v_forkpages: 61421
vm.stats.vm.v_vforkpages: 7207
vm.stats.vm.v_rforkpages: 0
vm.stats.vm.v_kthreadpages: 0
vm.stats.misc.zero_page_count: 30
vm.stats.misc.cnt_prezero: 0
vm.stats.object.collapses: 5313
vm.stats.object.bypasses: 661
vm.old_mlock: 0
vm.old_msync: 0
vm.boot_pages: 64
vm.tryrelock_restart: 0
vm.pageout_wakeup_thresh: 28149
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: 1337927
vm.phys_free:
DOMAIN 0:
FREE LIST 0:
FREE LIST 1:
vm.phys_segs:
SEGMENT 0:
start: 0x10000
end: 0x99000
domain: 0
free list: 0xffffffff814a3cb8
SEGMENT 1:
start: 0x100000
end: 0x200000
domain: 0
free list: 0xffffffff814a3cb8
SEGMENT 2:
start: 0x1841000
end: 0x7c925000
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: 6665
vm.reserv.partpopq:
-1: 134324K, 74
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.invpnid_works: 0
vm.pmap.pcid_save_cnt: 0
vm.pmap.pde.demotions: 128
vm.pmap.pde.mappings: 0
vm.pmap.pde.p_failures: 36
vm.pmap.pde.promotions: 165
vm.pmap.pdpe.demotions: 3
vm.kvm_size: 2199023251456
vm.kvm_free: 2180178243584
vfs.ufs.dirhash_minsize: 2560
vfs.ufs.dirhash_maxmem: 26877952
vfs.ufs.dirhash_mem: 50214
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

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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_paranoia: 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: 136
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.mirroromt: 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.vmlodirenable: 1
vfs.runningbufspace: 0
vfs.bufspace: 34488320
vfs.unmapped_bufspace: 27459584
vfs.maxbufspace: 1720729600
vfs.bufmalloospace: 0
vfs.maxmalloospace: 86003712
vfs.lobufspace: 1720008704
vfs.hibufspace: 1720074240
vfs.bufreuscnt: 1153
vfs.bufreevacnt: 97
vfs.bufdefragcnt: 0
vfs.lorunningspace: 11206656
vfs.hirunningspace: 16777216
vfs.dirtybufferflushes: 0
vfs.bdwriteskip: 0
vfs.altbufferflushes: 0
vfs.recursiveflushes: 0
vfs.numdirtybuffers: 58
vfs.lodirtybuffers: 13138
vfs.hidirtybuffers: 26276
vfs.dirtybufthresh: 23648
vfs.numfreebuffers: 104967
vfs.lofreebuffers: 5839
vfs.hifreebuffers: 11678
vfs.getnewbufcalls: 1187
vfs.getnewbufrestarts: 0
vfs.mappingrestarts: 0
vfs.flushbufqtarget: 100
vfs.notbufdflushes: 0
vfs.barrierwrites: 3
vfs.unmapped_buf_allowed: 1
vfs.flushwithdeps: 0
vfs.ncnegfactor: 16
vfs.ncsizefactor: 2
vfs.cache.numneg: 31
vfs.cache.numcache: 511
vfs.cache.numcalls: 58861
vfs.cache.dothits: 140
vfs.cache.dotdothits: 14
vfs.cache.numchecks: 56428
vfs.cache.nummiss: 2247
vfs.cache.nummisszap: 32
vfs.cache.numposzaps: 37
vfs.cache.numposhits: 46547
vfs.cache.numnegzaps: 377
vfs.cache.numneghits: 9465
vfs.cache.numupgrades: 0
vfs.cache.numfullpathcalls: 10
vfs.cache.numfullpathfail1: 0
vfs.cache.numfullpathfail2: 0
vfs.cache.numfullpathfail4: 0
vfs.cache.numfullpathfound: 10
vfs.write_behind: 1
vfs.read_max: 64
vfs.read_min: 1
vfs.typenumhash: 1
vfs.lookup_shared: 1
vfs.usermount: 0

vfs.numnodes: 849
vfs.wantfreenodes: 87204
vfs.freemnodes: 30
vfs.vlru_allow_cache_src: 0
vfs.reassignbufcalls: 1469
vfs.timestamp_precision: 0
vfs.worklist_len: 43
vfs.ffi.doasyncfree: 1
vfs.ffi.doreallocblks: 1
vfs.ffi.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.rtm_expire: 10
net.inet.ip.rtm_maxcache: 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: 31673
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.recvifkludge: 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.gsrdelay: 10
net.inet.tcp.rfc1323: 1
net.inet.tcp.mssdflt: 536
net.inet.tcp.keeptid: 7200000
net.inet.tcp.keeptv1: 75000
net.inet.tcp.sendspace: 32768
net.inet.tcp.recvspace: 65536
net.inet.tcp.keeptv1: 75000
net.inet.tcp.delacktime: 100
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_initwnd10: 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_uto: 1
net.inet.tcp.recvbuf_inc: 16384
net.inet.tcp.recvbuf_max: 2097152

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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.cursgments: 0
net.inet.tcp.reass.overflow: 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.syncookies: 1
net.inet.tcp.syncookies_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.maxtcpwt: 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: 126695
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
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

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net.inet.sctp.use_dcccecn: 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.uselooptback: 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.maxfragpackets: 253391
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.rtmacache: 128
net.inet6.ip6.use_tempaddr: 0
net.inet6.ip6.templifetime: 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: 253391
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_uselooptback: 1
net.inet6.icmp6.nodeinfo: 3
net.inet6.icmp6.errppslimit: 100
net.inet6.icmp6.nd6_maxnudhint: 0
net.inet6.icmp6.nd6_debug: 0
net.inet6.icmp6.nd6_maxqueueelen: 1
net.inet6.icmp6.nodeinfo_oldmcprefix: 1
net.inet6.icmp6.nd6_onlink_ns_rfc4861: 0
net.inet6.mld.gsrdelay: 10
net.inet6.mld.vlenable: 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
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.maxreq_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.confirmtimeout: 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_beep: 0
debug.ipw: 0
debug.iwi: 0
debug.mdebug: 0
debug.wpi: 0
debug.elf64_legacy_coredump: 0
debug.elf32_legacy_coredump: 0
debug.boothowto: 0
debug.bootverbose: 0
debug.cpubus.lowest: 0
debug.cpubus.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: 31
debug.numcache: 511
debug.numcachehv: 52
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: 463
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: 66
debug.softdep.total.inodep: 444
debug.softdep.total.bmsafemap: 431
debug.softdep.total.newblk: 771
debug.softdep.total.alloaddir: 771
debug.softdep.total.indirdep: 0
debug.softdep.total.alloaddir: 0
debug.softdep.total.freefrag: 2
debug.softdep.total.freeblks: 332
debug.softdep.total.freefile: 26
debug.softdep.total.diradd: 447
debug.softdep.total.mkdir: 100
debug.softdep.total.dirrem: 44
debug.softdep.total.newdirblk: 50
debug.softdep.total.freework: 332
debug.softdep.total.freedep: 0
debug.softdep.total.jaddr: 547
debug.softdep.total.jmref: 56
debug.softdep.total.jmref: 0
debug.softdep.total.jnewblk: 771
debug.softdep.total.jfreeblk: 0
debug.softdep.total.jfreefrag: 2
debug.softdep.total.jseg: 14
debug.softdep.total.jsegdep: 1376
debug.softdep.total.sbdep: 8
debug.softdep.total.jtrunc: 0
debug.softdep.total.jfsync: 0
```

debug.softdep.highuse.pagedep: 42
debug.softdep.highuse.inodedep: 352
debug.softdep.highuse.bmsafemap: 5
debug.softdep.highuse.newblk: 1
debug.softdep.highuse.allocdirect: 376
debug.softdep.highuse.indirdep: 0
debug.softdep.highuse.allocindir: 0
debug.softdep.highuse.freefrag: 1
debug.softdep.highuse.freeblks: 12
debug.softdep.highuse.freefile: 6
debug.softdep.highuse.diradd: 350
debug.softdep.highuse.mkdir: 78
debug.softdep.highuse.dirrem: 12
debug.softdep.highuse.newdirblk: 39
debug.softdep.highuse.freework: 12
debug.softdep.highuse.freedep: 0
debug.softdep.highuse.jaddrf: 397
debug.softdep.highuse.jremref: 20
debug.softdep.highuse.jmvref: 0
debug.softdep.highuse.jnewblk: 356
debug.softdep.highuse.jfreeblk: 0
debug.softdep.highuse.jfreefrag: 1
debug.softdep.highuse.jseg: 9
debug.softdep.highuse.jsegdep: 786
debug.softdep.highuse.sbdep: 1
debug.softdep.highuse.jtrunc: 0
debug.softdep.highuse.jfsync: 0
debug.softdep.current.pagedep: 41
debug.softdep.current.inodedep: 351
debug.softdep.current.bmsafemap: 2
debug.softdep.current.newblk: 0
debug.softdep.current.allocdirect: 375
debug.softdep.current.indirdep: 0
debug.softdep.current.allocindir: 0
debug.softdep.current.freefrag: 1
debug.softdep.current.freeblks: 0
debug.softdep.current.freefile: 0
debug.softdep.current.diradd: 349
debug.softdep.current.mkdir: 77
debug.softdep.current.dirrem: 0
debug.softdep.current.newdirblk: 39
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: 3
debug.softdep.current.jfreeblk: 0
debug.softdep.current.jfreefrag: 0
debug.softdep.current.jseg: 3
debug.softdep.current.jsegdep: 725
debug.softdep.current.sbdep: 0
debug.softdep.current.jtrunc: 0
debug.softdep.current.jfsync: 0
debug.softdep.write.pagedep: 22
debug.softdep.write.inodedep: 500
debug.softdep.write.bmsafemap: 12
debug.softdep.write.newblk: 0
debug.softdep.write.allocdirect: 383
debug.softdep.write.indirdep: 0
debug.softdep.write.allocindir: 0
debug.softdep.write.freefrag: 0
debug.softdep.write.freeblks: 1
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: 14
debug.softdep.write.jsegdep: 2
debug.softdep.write.sbdep: 8
debug.softdep.write.jtrunc: 0
debug.softdep.write.jfsync: 0
debug.softdep.max_softdeps: 1395276
debug.softdep.tickdelay: 2
debug.softdep.maxindirdeps: 50
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: 10
debug.softdep.direct_blk_ptrs: 12
debug.softdep.dir_entry: 3
debug.softdep.jaddrf_rollback: 0
debug.softdep.jnewblk_rollback: 0
debug.softdep.journal_low: 0
debug.softdep.journal_min: 0
debug.softdep.journal_wait: 1
debug.softdep.jwait_filepage: 0
debug.softdep.jwait_freeblks: 0
debug.softdep.jwait_inode: 1
debug.softdep.jwait_newblk: 0
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

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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 E5-2609 v2 @ 2.50GHz
hw.ncpu: 8
hw.byteorder: 1234
hw.physmem: 17098526720
hw.usermem: 16899559424
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_abs_int_delay: 66
hw.em.rx_abs_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
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.pollled_cmd_timeout: 60
hw.mfi.cmd_timeout: 30
hw.mfi.msi: 1
hw.mmc.debug: 0
hw.mwl.rxdesc: 256
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hw.mwl.rxbuf: 640
hw.mwl.txbuf: 256
hw.mwl.txcoalesce: 8
hw.mwl.rxquota: 640
hw.mwl.rxdmalo: 3
hw.pccard.debug: 0
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_pcie: 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_mmap: 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.instruff: 0
hw.midi.seq.debug: 0
hw.syscons.saver_keybonly: 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
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.txrate: 0
hw.wi.debug: 0
hw.xe.debug: 0

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hw.intr_storm_threshold: 1000
hw.availpages: 4174445
hw.pagesizes: 4096 2097152 0
hw.bus.devctl_disable: 0
hw.bus.devctl_queue: 1000
hw.clockrate: 2500
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: 1078
hw.bsdma.zone0.total_bpages: 1078
hw.bsdma.zone0.free_bpages: 1069
hw.bsdma.zone0.reserved_bpages: 0
hw.bsdma.zone0.active_bpages: 9
hw.bsdma.zone0.total_bounced: 389
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 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_mtrrs: 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: 2500056864
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
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
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p1003_lb.synchronized_io: 0
p1003_lb.timers: 200112
p1003_lb.aio_listio_max: -1
p1003_lb.aio_max: -1
p1003_lb.aio_prio_delta_max: -1
p1003_lb.delaytimer_max: 2147483647
p1003_lb.mq_open_max: 0
p1003_lb.pagesize: 4096
p1003_lb.rtsig_max: 62
p1003_lb.sem_nsems_max: 0
p1003_lb.sem_value_max: 0
p1003_lb.sigqueue_max: 128
p1003_lb.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_stats: 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_stats: 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
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 0645
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.%pnpinfo: _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.%pnpinfo: _HID=PNP0C02 _UID=4
dev.acpi_sysresource.1.%parent: acpi0

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dev.acpi_sysresource.2.%desc: System Resource
dev.acpi_sysresource.2.%driver: acpi_sysresource
dev.acpi_sysresource.2.%location: handle=\_SB_.PCI0.SBRG.SIO1
dev.acpi_sysresource.2.%pnpinfo: _HID=PNP0C02 _UID=78
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.RMSC
dev.acpi_sysresource.3.%pnpinfo: _HID=PNP0C02 _UID=16
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.MBRD
dev.acpi_sysresource.4.%pnpinfo: _HID=PNP0C02 _UID=31
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.PCH
dev.acpi_sysresource.5.%pnpinfo: _HID=PNP0C01 _UID=455
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.CWDT
dev.acpi_sysresource.6.%pnpinfo: _HID=INT3F0D _UID=0
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.PEX4.PPF1
dev.acpi_sysresource.7.%pnpinfo: _HID=PNP0C01 _UID=241
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.%pnpinfo: _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.%pnpinfo: _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.%pnpinfo: _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.%pnpinfo: _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.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.0.%parent: acpi0
dev.cpu.0.%freq: 900
dev.cpu.0.%freq_levels: 2500/80000 2400/75926 2300/71931 2200/68012 2100/64170 2000/60403 1900/56724 1800/53106 1700/49562 1600/46091 1500/42693 1400/39375 1300/36119
1200/32934 1050/28817 900/24700 750/20583 600/16467 450/12350 300/8233 150/4116
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 9567us
dev.cpu.1.%desc: ACPI CPU
dev.cpu.1.%driver: cpu
dev.cpu.1.%location: handle=\_SB_.SCK0.C002
dev.cpu.1.%pnpinfo: _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 17000us
dev.cpu.2.%desc: ACPI CPU
dev.cpu.2.%driver: cpu
dev.cpu.2.%location: handle=\_SB_.SCK0.C004
dev.cpu.2.%pnpinfo: _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 7104us
dev.cpu.3.%desc: ACPI CPU
dev.cpu.3.%driver: cpu
dev.cpu.3.%location: handle=\_SB_.SCK0.C006
dev.cpu.3.%pnpinfo: _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
dev.cpu.3.%cx_usage: 100.00% 0.00% last 8387us
dev.cpu.4.%desc: ACPI CPU
dev.cpu.4.%driver: cpu
dev.cpu.4.%location: handle=\_SB_.SCK1.C100
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 7024us
dev.cpu.5.%desc: ACPI CPU
dev.cpu.5.%driver: cpu
dev.cpu.5.%location: handle=\_SB_.SCK1.C102
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 10538us
dev.cpu.6.%desc: ACPI CPU
dev.cpu.6.%driver: cpu
dev.cpu.6.%location: handle=\_SB_.SCK1.C104
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 20416us

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dev.cpu.7.%desc: ACPI CPU
dev.cpu.7.%driver: cpu
dev.cpu.7.%location: handle=\_SB_.SCK1.C106
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 26924us
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=PNP0800 _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 LNKK
dev.pci_link.2.%driver: pci_link
dev.pci_link.2.%location: handle=\_SB_.LNKK
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
dev.pci_link.7.%location: handle=\_SB_.LNKH
dev.pci_link.7.%pnpinfo: _HID=PNP0C0F _UID=8
dev.pci_link.7.%parent: acpi0
dev.pci.0.%desc: ACPI Host-PCI bridge
dev.pci.0.%driver: pci
dev.pci.0.%location: handle=\_SB_.PCI0
dev.pci.0.%pnpinfo: _HID=PNP0A08 _UID=0
dev.pci.0.%parent: acpi0
dev.pci.1.%desc: ACPI PCI-PCI bridge
dev.pci.1.%driver: pci
dev.pci.1.%location: slot=1 function=0 handle=\_SB_.PCI0.NPE1
dev.pci.1.%pnpinfo: vendor=0x8086 device=0x0e02 subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.1.%parent: pci0
dev.pci.1.%domain: 0
dev.pci.1.%prius: 0
dev.pci.1.%secbus: 33
dev.pci.1.%subbus: 36
dev.pci.1.%wake: 0
dev.pci.2.%desc: ACPI PCI-PCI bridge
dev.pci.2.%driver: pci
dev.pci.2.%location: slot=2 function=0 handle=\_SB_.PCI0.NPE3
dev.pci.2.%pnpinfo: vendor=0x8086 device=0x0e04 subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.2.%parent: pci0
dev.pci.2.%domain: 0
dev.pci.2.%prius: 0
dev.pci.2.%secbus: 37
dev.pci.2.%subbus: 40
dev.pci.2.%wake: 0
dev.pci.3.%desc: ACPI PCI-PCI bridge
dev.pci.3.%driver: pci
dev.pci.3.%location: slot=3 function=0 handle=\_SB_.PCI0.NPE7
dev.pci.3.%pnpinfo: vendor=0x8086 device=0x0e08 subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.3.%parent: pci0
dev.pci.3.%domain: 0
dev.pci.3.%prius: 0
dev.pci.3.%secbus: 45
dev.pci.3.%subbus: 48
dev.pci.3.%wake: 0
dev.pci.4.%desc: ACPI PCI-PCI bridge
dev.pci.4.%driver: pci
dev.pci.4.%location: slot=3 function=2 handle=\_SB_.PCI0.NPE9
dev.pci.4.%pnpinfo: vendor=0x8086 device=0x0e0a subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.4.%parent: pci0
dev.pci.4.%domain: 0

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dev.pci.4.pribus: 0
dev.pci.4.secbus: 3
dev.pci.4.subbus: 4
dev.pci.4.wake: 0
dev.pci.5.%desc: ACPI PCI-PCI bridge
dev.pci.5.%driver: pcib
dev.pci.5.%location: slot=17 function=0 handle=_SB_.PCI0.BR3A
dev.pci.5.%pnpinfo: vendor=0x8086 device=0x1d3e subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.5.%parent: pci0
dev.pci.5.domain: 0
dev.pci.5.pribus: 0
dev.pci.5.secbus: 58
dev.pci.5.subbus: 59
dev.pci.6.%desc: ACPI PCI-PCI bridge
dev.pci.6.%driver: pcib
dev.pci.6.%location: slot=28 function=0 handle=_SB_.PCI0.PEX0
dev.pci.6.%pnpinfo: vendor=0x8086 device=0x1d10 subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.6.%parent: pci0
dev.pci.6.domain: 0
dev.pci.6.pribus: 0
dev.pci.6.secbus: 2
dev.pci.6.subbus: 2
dev.pci.6.wake: 0
dev.pci.7.%desc: ACPI PCI-PCI bridge
dev.pci.7.%driver: pcib
dev.pci.7.%location: slot=28 function=4 handle=_SB_.PCI0.PEX4
dev.pci.7.%pnpinfo: vendor=0x8086 device=0x1d18 subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.7.%parent: pci0
dev.pci.7.domain: 0
dev.pci.7.pribus: 0
dev.pci.7.secbus: 5
dev.pci.7.subbus: 32
dev.pci.7.wake: 0
dev.pci.8.%desc: ACPI PCI-PCI bridge
dev.pci.8.%driver: pcib
dev.pci.8.%location: slot=30 function=0 handle=_SB_.PCI0.BR3C
dev.pci.8.%pnpinfo: vendor=0x8086 device=0x244e subvendor=0x1bcf subdevice=0x803f class=0x060401
dev.pci.8.%parent: pci0
dev.pci.8.domain: 0
dev.pci.8.pribus: 0
dev.pci.8.secbus: 60
dev.pci.8.subbus: 79
dev.pci.8.wake: 0
dev.pci.9.%desc: ACPI Host-PCI bridge
dev.pci.9.%driver: pcib
dev.pci.9.%location: handle=_SB_.UNC0
dev.pci.9.%pnpinfo: _HID=PNP0A03 _UID=127
dev.pci.9.%parent: acpi0
dev.pci.10.%desc: ACPI Host-PCI bridge
dev.pci.10.%driver: pcib
dev.pci.10.%location: handle=_SB_.PCI1
dev.pci.10.%pnpinfo: _HID=PNP0A08 _UID=128
dev.pci.10.%parent: acpi0
dev.pci.11.%desc: ACPI PCI-PCI bridge
dev.pci.11.%driver: pcib
dev.pci.11.%location: slot=0 function=0 handle=_SB_.PCI1.NPE0
dev.pci.11.%pnpinfo: vendor=0x8086 device=0x0e01 subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.11.%parent: pci128
dev.pci.11.domain: 0
dev.pci.11.pribus: 128
dev.pci.11.secbus: 129
dev.pci.11.subbus: 129
dev.pci.12.%desc: ACPI PCI-PCI bridge
dev.pci.12.%driver: pcib
dev.pci.12.%location: slot=2 function=0 handle=_SB_.PCI1.NPE3
dev.pci.12.%pnpinfo: vendor=0x8086 device=0x0e04 subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.12.%parent: pci128
dev.pci.12.domain: 0
dev.pci.12.pribus: 128
dev.pci.12.secbus: 132
dev.pci.12.subbus: 144
dev.pci.12.wake: 0
dev.pci.13.%desc: ACPI Host-PCI bridge
dev.pci.13.%driver: pcib
dev.pci.13.%location: handle=_SB_.UNC1
dev.pci.13.%pnpinfo: _HID=PNP0A03 _UID=255
dev.pci.13.%parent: acpi0
dev.pci.0.%desc: ACPI PCI bus
dev.pci.0.%driver: pci
dev.pci.0.%parent: pci0
dev.pci.33.%desc: ACPI PCI bus
dev.pci.33.%driver: pci
dev.pci.33.%parent: pci1
dev.pci.33.wake: 0
dev.pci.37.%desc: ACPI PCI bus
dev.pci.37.%driver: pci
dev.pci.37.%parent: pci2
dev.pci.37.wake: 0
dev.pci.45.%desc: ACPI PCI bus
dev.pci.45.%driver: pci
dev.pci.45.%parent: pci3
dev.pci.45.wake: 0
dev.pci.3.%desc: ACPI PCI bus
dev.pci.3.%driver: pci
dev.pci.3.%parent: pci4
dev.pci.3.wake: 0
dev.pci.58.%desc: ACPI PCI bus
dev.pci.58.%driver: pci
dev.pci.58.%parent: pci5
dev.pci.2.%desc: ACPI PCI bus
dev.pci.2.%driver: pci
dev.pci.2.%parent: pci6
dev.pci.2.wake: 0
dev.pci.5.%desc: ACPI PCI bus
dev.pci.5.%driver: pci
dev.pci.5.%parent: pci7
dev.pci.5.wake: 0
dev.pci.60.%desc: ACPI PCI bus
dev.pci.60.%driver: pci

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dev.pci.60.%parent: pcib8
dev.pci.60.wake: 0
dev.pci.127.%desc: ACPI PCI bus
dev.pci.127.%driver: pci
dev.pci.127.%parent: pcib9
dev.pci.128.%desc: ACPI PCI bus
dev.pci.128.%driver: pci
dev.pci.128.%parent: pcib10
dev.pci.129.%desc: ACPI PCI bus
dev.pci.129.%driver: pci
dev.pci.129.%parent: pcib11
dev.pci.132.%desc: ACPI PCI bus
dev.pci.132.%driver: pci
dev.pci.132.%parent: pcib12
dev.pci.132.wake: 0
dev.pci.255.%desc: ACPI PCI bus
dev.pci.255.%driver: pci
dev.pci.255.%parent: pcib13
dev.hostb.0.%desc: Host to PCI bridge
dev.hostb.0.%driver: hostb
dev.hostb.0.%location: slot=0 function=0
dev.hostb.0.%pnpinf: vendor=0x8086 device=0x00e00 subvendor=0x1bcf subdevice=0x803f 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.BR35
dev.mfi.0.%pnpinf: vendor=0x1000 device=0x005b subvendor=0x1000 subdevice=0x9272 class=0x010400
dev.mfi.0.%parent: pci33
dev.mfi.0.delete_busy_volumes: 0
dev.mfi.0.keep_deleted_volumes: 0
dev.bge.0.%desc: 1000BASE-T_Adapter(2ch), ASIC rev. 0x5717100
dev.bge.0.%driver: bge
dev.bge.0.%location: slot=0 function=0
dev.bge.0.%pnpinf: vendor=0x14e4 device=0x1656 subvendor=0x1bcf subdevice=0x8013 class=0x020000
dev.bge.0.%parent: pci45
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: 0
dev.bge.0.stats.rx.Fragments: 0
dev.bge.0.stats.rx.UnicastPkts: 0
dev.bge.0.stats.rx.MulticastPkts: 0
dev.bge.0.stats.rx.BroadcastPkts: 0
dev.bge.0.stats.rx.FCSErrors: 0
dev.bge.0.stats.rx.AlignmentErrors: 0
dev.bge.0.stats.rx.xonPauseFramesReceived: 0
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: 0
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: 0
dev.bge.0.stats.tx.MulticastPkts: 0
dev.bge.0.stats.tx.BroadcastPkts: 0
dev.bge.1.%desc: 1000BASE-T_Adapter(2ch), ASIC rev. 0x5717100
dev.bge.1.%driver: bge
dev.bge.1.%location: slot=0 function=1
dev.bge.1.%pnpinf: vendor=0x14e4 device=0x1656 subvendor=0x1bcf subdevice=0x8013 class=0x020000
dev.bge.1.%parent: pci45
dev.bge.1.forced_collapse: 0
dev.bge.1.msi: 1
dev.bge.1.forced_udpcsum: 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

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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.2.%desc: Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5717100
dev.bge.2.%driver: bge
dev.bge.2.%location: slot=0 function=0 handle=\_SB_.PCI0.PEX0.LAN1
dev.bge.2.%pnpinf: vendor=0x14e4 device=0x1656 subvendor=0x1bcf subdevice=0x803f class=0x020000
dev.bge.2.%parent: pci2
dev.bge.2.forced_collapse: 0
dev.bge.2.msi: 1
dev.bge.2.forced_udpcsum: 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. 0x5717100
dev.bge.3.%driver: bge
dev.bge.3.%location: slot=0 function=1 handle=\_SB_.PCI0.PEX0.LAN2
dev.bge.3.%pnpinf: vendor=0x14e4 device=0x1656 subvendor=0x1bcf subdevice=0x803f class=0x020000
dev.bge.3.%parent: pci2
dev.bge.3.forced_collapse: 0
dev.bge.3.msi: 1
dev.bge.3.forced_udpcsum: 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: BCM5717C 1000BASE-T media interface
dev.brgphy.0.%driver: brgphy
dev.brgphy.0.%location: phyno=1
dev.brgphy.0.%pnpinf: oui=0x1be9 model=0x20 rev=0x0
dev.brgphy.0.%parent: miibus0
dev.brgphy.1.%desc: BCM5717C 1000BASE-T media interface

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dev.brgphy.1.%driver: brgphy
dev.brgphy.1.%location: phyno=2
dev.brgphy.1.%pnpinfo: oui=0x1be9 model=0x20 rev=0x0
dev.brgphy.1.%parent: miibus1
dev.brgphy.2.%desc: BCM5717C 1000BASE-T media interface
dev.brgphy.2.%driver: brgphy
dev.brgphy.2.%location: phyno=1
dev.brgphy.2.%pnpinfo: oui=0x1be9 model=0x20 rev=0x0
dev.brgphy.2.%parent: miibus2
dev.brgphy.3.%desc: BCM5717C 1000BASE-T media interface
dev.brgphy.3.%driver: brgphy
dev.brgphy.3.%location: phyno=2
dev.brgphy.3.%pnpinfo: oui=0x1be9 model=0x20 rev=0x0
dev.brgphy.3.%parent: miibus3
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=0x803f 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=0x803f 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=0x803f 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=0x803f 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.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=0x803f class=0x030000
dev.vgapci.0.%parent: pci5
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=0x803f 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=0x803f 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=0x803f class=0x01018f
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
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.fpupnp.0.%desc: Legacy ISA coprocessor support
dev.fpupnp.0.%driver: fpupnp
dev.fpupnp.0.%location: handle=\_SB_.PCI0.COPR
dev.fpupnp.0.%pnpinfo: _HID=PNP0C04 _UID=0
dev.fpupnp.0.%parent: acpi0
dev.apic.0.%desc: APIC resources
dev.apic.0.%driver: apic
dev.apic.0.%parent: nexus0

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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.est.0.%desc: Enhanced SpeedStep Frequency Control
dev.est.0.%driver: est
dev.est.0.%parent: cpu0
dev.est.0.freq_settings: 2500/80000 2400/75926 2300/71931 2200/68012 2100/64170 2000/60403 1900/56724 1800/53106 1700/49562 1600/46091 1500/42693 1400/39375 1300/36119 1200/32934
dev.est.1.%desc: Enhanced SpeedStep Frequency Control
dev.est.1.%driver: est
dev.est.1.%parent: cpu1
dev.est.1.freq_settings: 2500/80000 2400/75926 2300/71931 2200/68012 2100/64170 2000/60403 1900/56724 1800/53106 1700/49562 1600/46091 1500/42693 1400/39375 1300/36119 1200/32934
dev.est.2.%desc: Enhanced SpeedStep Frequency Control
dev.est.2.%driver: est
dev.est.2.%parent: cpu2
dev.est.2.freq_settings: 2500/80000 2400/75926 2300/71931 2200/68012 2100/64170 2000/60403 1900/56724 1800/53106 1700/49562 1600/46091 1500/42693 1400/39375 1300/36119 1200/32934
dev.est.3.%desc: Enhanced SpeedStep Frequency Control
dev.est.3.%driver: est
dev.est.3.%parent: cpu3
dev.est.3.freq_settings: 2500/80000 2400/75926 2300/71931 2200/68012 2100/64170 2000/60403 1900/56724 1800/53106 1700/49562 1600/46091 1500/42693 1400/39375 1300/36119 1200/32934
dev.est.4.%desc: Enhanced SpeedStep Frequency Control
dev.est.4.%driver: est
dev.est.4.%parent: cpu4
dev.est.4.freq_settings: 2500/80000 2400/75926 2300/71931 2200/68012 2100/64170 2000/60403 1900/56724 1800/53106 1700/49562 1600/46091 1500/42693 1400/39375 1300/36119 1200/32934
dev.est.5.%desc: Enhanced SpeedStep Frequency Control
dev.est.5.%driver: est
dev.est.5.%parent: cpu5
dev.est.5.freq_settings: 2500/80000 2400/75926 2300/71931 2200/68012 2100/64170 2000/60403 1900/56724 1800/53106 1700/49562 1600/46091 1500/42693 1400/39375 1300/36119 1200/32934
dev.est.6.%desc: Enhanced SpeedStep Frequency Control
dev.est.6.%driver: est
dev.est.6.%parent: cpu6
dev.est.6.freq_settings: 2500/80000 2400/75926 2300/71931 2200/68012 2100/64170 2000/60403 1900/56724 1800/53106 1700/49562 1600/46091 1500/42693 1400/39375 1300/36119 1200/32934
dev.est.7.%desc: Enhanced SpeedStep Frequency Control
dev.est.7.%driver: est
dev.est.7.%parent: cpu7
dev.est.7.freq_settings: 2500/80000 2400/75926 2300/71931 2200/68012 2100/64170 2000/60403 1900/56724 1800/53106 1700/49562 1600/46091 1500/42693 1400/39375 1300/36119 1200/32934
dev.cpubfreq.0.%driver: cpufreq
dev.cpubfreq.0.%parent: cpu0
dev.cpubfreq.1.%driver: cpufreq
dev.cpubfreq.1.%parent: cpu1
dev.cpubfreq.2.%driver: cpufreq
dev.cpubfreq.2.%parent: cpu2
dev.cpubfreq.3.%driver: cpufreq
dev.cpubfreq.3.%parent: cpu3
dev.cpubfreq.4.%driver: cpufreq
dev.cpubfreq.4.%parent: cpu4
dev.cpubfreq.5.%driver: cpufreq
dev.cpubfreq.5.%parent: cpu5
dev.cpubfreq.6.%driver: cpufreq
dev.cpubfreq.6.%parent: cpu6
dev.cpubfreq.7.%driver: cpufreq
dev.cpubfreq.7.%parent: cpu7
dev.p4tcc.0.%desc: CPU Frequency Thermal Control
dev.p4tcc.0.%driver: p4tcc
dev.p4tcc.0.%parent: cpu0
dev.p4tcc.0.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.1.%desc: CPU Frequency Thermal Control
dev.p4tcc.1.%driver: p4tcc
dev.p4tcc.1.%parent: cpu1
dev.p4tcc.1.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.2.%desc: CPU Frequency Thermal Control
dev.p4tcc.2.%driver: p4tcc
dev.p4tcc.2.%parent: cpu2
dev.p4tcc.2.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.3.%desc: CPU Frequency Thermal Control
dev.p4tcc.3.%driver: p4tcc
dev.p4tcc.3.%parent: cpu3
dev.p4tcc.3.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.4.%desc: CPU Frequency Thermal Control
dev.p4tcc.4.%driver: p4tcc
dev.p4tcc.4.%parent: cpu4
dev.p4tcc.4.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.5.%desc: CPU Frequency Thermal Control
dev.p4tcc.5.%driver: p4tcc
dev.p4tcc.5.%parent: cpu5
dev.p4tcc.5.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.6.%desc: CPU Frequency Thermal Control
dev.p4tcc.6.%driver: p4tcc
dev.p4tcc.6.%parent: cpu6
dev.p4tcc.6.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1

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dev.p4tcc.7.%desc: CPU Frequency Thermal Control
dev.p4tcc.7.%driver: p4tcc
dev.p4tcc.7.%parent: cpu7
dev.p4tcc.7.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=0x09 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=0x09 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=0x09 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=0x09 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

```

システム起動時メッセージ

```
Copyright (c) 1992-2014 The FreeBSD Project.
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    The Regents of the University of California. All rights reserved.
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 E5-2609 v2 @ 2.50GHz (2500.06-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 = 16502636544 (15738 MB)
Event timer "LAPIC" quality 600
ACPI APIC Table: <ALASKA 0645  >
FreeBSD/SMP: Multiprocessor System Detected: 8 CPUs
FreeBSD/SMP: 2 package(s) x 4 core(s)
cpu0 (BSP): APIC ID: 0
cpu1 (AP): APIC ID: 2
cpu2 (AP): APIC ID: 4
cpu3 (AP): APIC ID: 6
cpu4 (AP): APIC ID: 32
cpu5 (AP): APIC ID: 34
cpu6 (AP): APIC ID: 36
cpu7 (AP): APIC ID: 38
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 0645> on motherboard
acpi0: Power Button (fixed)
acpi0: reservation of 0, a0000 (3) failed
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
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 550
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
pcib1: <ACPI PCI-PCI bridge> irq 26 at device 1.0 on pci0
pci33: <ACPI PCI bus> on pcib1
mf10: <ThunderBolt> port 0x8000-0x80ff mem 0xdfb60000-0xdfb63fff,0xdfb00000-0xdfb3ffff irq 26 at device 0.0 on pci33
mf10: Using MSI
mf10: Megaraid SAS driver Ver 4.23
mf10: FW MaxCmds = 1008, limiting to 128
mf10: MaxCmd = 1008, Drv MaxCmd = 128, MaxSgl = 70, state = 0xb75003f0
pcib2: <ACPI PCI-PCI bridge> irq 32 at device 2.0 on pci0
pci37: <ACPI PCI bus> on pcib2
pcib3: <ACPI PCI-PCI bridge> irq 40 at device 3.0 on pci0
pci45: <ACPI PCI bus> on pcib3
bge0: <1000BASE-T Adapter(2ch), ASIC rev. 0x5717100> mem 0xdfe50000-0xdfe5ffff,0xdfe40000-0xdfe4ffff,0xdfe30000-0xdfe3ffff irq 40 at device 0.0 on pci45
bge0: CHIP ID 0x05717100; ASIC REV 0x5717; CHIP REV 0x57171; PCI-E
miibus0: <MII bus> on bge0
brgphy0: <BCM5717C 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: 00:25:5c:d4:ec:90
bge1: <1000BASE-T Adapter(2ch), ASIC rev. 0x5717100> mem 0xdfe20000-0xdfe2ffff,0xdfe10000-0xdfe1ffff,0xdfe00000-0xdfe0ffff irq 44 at device 0.1 on pci45
bge1: CHIP ID 0x05717100; ASIC REV 0x5717; CHIP REV 0x57171; PCI-E
miibus1: <MII bus> on bge1
brgphy1: <BCM5717C 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: 00:25:5c:d4:ec:91
pcib4: <ACPI PCI-PCI bridge> irq 40 at device 3.2 on pci0
pci3: <ACPI PCI bus> on pcib4
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)
pcib5: <ACPI PCI-PCI bridge> irq 16 at device 17.0 on pci0
pci58: <ACPI PCI bus> on pcib5
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 0xdfc23000-0xdfc233ff irq 22 at device 26.0 on pci0
usb0:0: EHCI version 1.0
usb0:0 on ehci0
pcib6: <ACPI PCI-PCI bridge> irq 17 at device 28.0 on pci0
pci2: <ACPI PCI bus> on pcib6
bge2: <Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5717100> mem 0xdfd50000-0xdfd5ffff,0xdfd40000-0xdfd4ffff,0xdfd30000-0xdfd3ffff irq 16 at device 0.0 on pci2
```



```

bge2: APE FW version: NCSI v1.0.88.0
bge2: CHIP ID 0x05717100; ASIC REV 0x5717; CHIP REV 0x57171; PCI-E
miibus2: <MII bus> on bge2
brgphy2: <BCM5717C 1000BASE-T media interface> PHY 1 on miibus2
brgphy2: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow
bge2: Ethernet address: d4:3d:7e:78:58:e8
bge3: <Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5717100> mem 0xdfd20000-0xdfd2ffff,0xdfd10000-0xdfd1ffff,0xdfd00000-0xdfd0ffff irq 17 at device 0.1 on pci12
bge3: APE FW version: NCSI v1.0.88.0
bge3: CHIP ID 0x05717100; ASIC REV 0x5717; CHIP REV 0x57171; PCI-E
miibus3: <MII bus> on bge3
brgphy3: <BCM5717C 1000BASE-T media interface> PHY 2 on miibus3
brgphy3: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow
bge3: Ethernet address: d4:3d:7e:78:58:e9
pcib7: <ACPI PCI-PCI bridge> irq 17 at device 28.4 on pci0
pcib7: failed to allocate initial memory window: 0xde000000-0xdf8fffff
pci5: <ACPI PCI bus> on pcib7
vgapci0: <VGA-compatible display> mem 0xde000000-0xdeffffff,0xdf000000-0xdf7fffff irq 16 at device 0.0 on pci5
vgapci0: Boot video device
ehci1: <EHCI (generic) USB 2.0 controller> mem 0xdfc22000-0xdfc223ff irq 23 at device 29.0 on pci0
usb1: EHCI version 1.0
usb1 on ehci1
pcib8: <ACPI PCI-PCI bridge> at device 30.0 on pci0
pci60: <ACPI PCI bus> on pcib8
isab0: <PCI-ISA bridge> at device 31.0 on pci0
isa0: <ISA bus> on isab0
atapci0: <Intel Patsburg SATA300 controller> port 0x90d0-0x90d7,0x90c0-0x90c3,0x90b0-0x90b7,0x90a0-0x90a3,0x9090-0x909f,0x9080-0x908f 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 0x9070-0x9077,0x9060-0x9063,0x9050-0x9057,0x9040-0x9043,0x9030-0x903f,0x9020-0x902f irq 19 at device 31.5 on pci0
ata4: <ATA channel> at channel 0 on atapci1
ata5: <ATA channel> at channel 1 on atapci1
pci0: <dasp> at device 31.6 (no driver attached)
pcib9: <ACPI Host-PCI bridge> on acpi0
pci127: <ACPI PCI bus> on pcib9
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 13.0 (no driver attached)
pci127: <base peripheral> at device 13.1 (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)
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
pcib12: <ACPI PCI-PCI bridge> irq 16 at device 2.0 on pci128
pci132: <ACPI PCI bus> on pcib12
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)
pcib13: <ACPI Host-PCI bridge> on acpi0
pci255: <ACPI PCI bus> on pcib13
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 13.0 (no driver attached)
pci255: <base peripheral> at device 13.1 (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)

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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
mfi0: 222 (447941991s/0x0020/info) - Shutdown command received from host
mfi0: 223 (boot + 8s/0x0020/info) - Firmware initialization started (PCI ID 005b/1000/9272/1000)
mfi0: 224 (boot + 8s/0x0020/info) - Firmware version 3.230.75-2648
mfi0: 225 (boot + 17s/0x0020/info) - Package version 23.11.0-0034
mfi0: 226 (boot + 17s/0x0020/info) - Board Revision 10B
mfi0: 227 (boot + 35s/0x0002/info) - Inserted: PD 08(e0xfc/s0)
mfi0: 228 (boot + 35s/0x0002/info) - Inserted: PD 08(e0xfc/s0) Info: enclPd=fc, scsiType=0, portMap=00, sasAddr=500000e113db4232,0000000000000000
mfi0: 229 (447942039s/0x0020/info) - Time established as 03/12/14 12:20:39; (38 seconds since power on)
mfi0: 230 (447942094s/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: 139200MB (285081600 sectors) RAID volume (no label) 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
uhub3: 6 ports with 6 removable, self powered
uhub2: 8 ports with 8 removable, self powered
ugen0.3: <Chicony> at usb0
uhub4: <Chicony Generic USB Hub, class 9/0, rev 1.10/1.02, addr 3> on usb0
ugen1.3: <American Megatrends Inc.> at usb1
ukbd0: <Keyboard Interface> on usb1
kbd0 at ukbd0
uhub4: 3 ports with 2 removable, bus powered
Netvsc initializing... SMP: AP CPU #6 Launched!
SMP: AP CPU #3 Launched!
SMP: AP CPU #4 Launched!
SMP: AP CPU #2 Launched!
SMP: AP CPU #5 Launched!
SMP: AP CPU #1 Launched!
SMP: AP CPU #7 Launched!
Timecounter "TSC-low" frequency 1250028432 Hz quality 1000
Root mount waiting for: usb0
ugen0.4: <Chicony> at usb0
ukbd1: <Chicony PFI-65 USB Keyboard, class 0/0, rev 1.10/1.02, addr 4> on usb0
kbd2 at ukbd1
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
ram0
  I/O memory addresses:
    0x0-0x9cbff
    0x100000-0x7c924fff
    0x10000000-0x47ffffff
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
    0xca4-0xca5
    0x1180-0x119f
  I/O memory addresses:
    0xdf800000-0xdf87ffff
    0xdf894000-0xdf894fff
    0xdfffc000-0xdfffffff
    0xfbf00000-0xfbf0ffff
    0xfc000000-0xfc00ffff
    0xfd000000-0xfd00ffff
    0xfe000000-0xfe00ffff
    0xfeb00000-0xfeb0ffff
    0xfec00000-0xfec0ffff
    0xfed00400-0xfed3ffff
    0xfed40000-0xfed44fff
    0xfed45000-0xfed4ffff
    0xfef00000-0xfef0ffff
    0xff000000-0xff00ffff
pci0
  I/O ports:
    0xcf8-0xcff
pci0
  hostb0
  pci0
  pci0
    I/O ports:
      0x8000-0x8fff
    I/O memory addresses:
      0xdfb00000-0xdfbfffff
pci33
  mfi0
    Interrupt request lines:
      0x108
    pci0 I/O port window:
      0x8000-0x80ff
    pci0 memory window:
      0xdfb00000-0xdfb3ffff
      0xdfb60000-0xdfb63fff
  mfi0
pci2
pci37
pci3
  I/O memory addresses:
    0xdfa00000-0xdfafffff
    0xdf000000-0xdf0fffff
pci45
  bge0
    Interrupt request lines:
      0x109
    pci3 prefetch window:
      0xdf030000-0xdf03ffff
      0xdf040000-0xdf04ffff
      0xdf050000-0xdf05ffff
  miibus0
  brgphy0
  bge1
    Interrupt request lines:
      0x10a
    pci3 prefetch window:
      0xdf000000-0xdf00ffff
      0xdf010000-0xdf01ffff
      0xdf020000-0xdf02ffff
  miibus1
  brgphy1
pci4
pci3
ioapic0
  I/O memory addresses:
    0xdfc26000-0xdfc26fff
pci5
pci58
ehci0
  Interrupt request lines:
    0x16
  I/O memory addresses:
    0xdfc23000-0xdfc23fff
usb0
```

```

uhub1
uhub3
uhub4
ukbd1
umass0
pcib6
I/O memory addresses:
0xdf900000-0xdf9fffff
0xdfd00000-0xdfdfffff
pci2
bge2
Interrupt request lines:
0x10b
pcib6 prefetch window:
0xdfd30000-0xdfd3ffff
0xdfd40000-0xdfd4ffff
0xdfd50000-0xdfd5ffff
miibus2
brgphy2
bge3
Interrupt request lines:
0x10c
pcib6 prefetch window:
0xdfd00000-0xdfd0ffff
0xdfd10000-0xdfd1ffff
0xdfd20000-0xdfd2ffff
miibus3
brgphy3
pcib7
I/O memory addresses:
0xde000000-0xdf7fffff
pci5
vgapci0
pcib7 memory window:
0xde000000-0xdeffffff
0xdf000000-0xdf7fffff
ehci1
Interrupt request lines:
0x17
I/O memory addresses:
0xdfc22000-0xdfc223ff
usb1
uhub0
uhub2
ukbd0
ums0
pcib8
pci60
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:
0x9080-0x908f
0x9090-0x909f
0x90a0-0x90a3
0x90b0-0x90b7
0x90c0-0x90c3
0x90d0-0x90d7
ata2
ata3
atapci1
Interrupt request lines:
0x13
I/O ports:
0x9020-0x902f
0x9030-0x903f
0x9040-0x9043
0x9050-0x9057
0x9060-0x9063
0x9070-0x9077
ata4
ata5
acpi_sysresource0
acpi_sysresource1
acpi_sysresource2
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

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I/O ports:
0x40-0x43
atrtc0
Interrupt request lines:
0x8
I/O ports:
0x70-0x71
acpi_sysresource3
fpupnp0
I/O ports:
0xf0-0xff
acpi_sysresource4
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
pcib11
pci129
pcib12
pci132
ioapic1
I/O memory addresses:
0xfbf20000-0xfbf20fff
acpi_sysresource8
acpi_sysresource9
pcib13
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
acpi_sysresource11

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acpi_timer0
ACPI I/O ports:
0x408-0x40b

PCIバスデータ詳細一覧

```
hostb0@pci:0:0:0:      class=0x060000 card=0x803f1bcf 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@pci:0:1:0:      class=0x060400 card=0x803f1bcf chip=0x0e028086 rev=0x04 hdr=0x01
vendor      = 'Intel Corporation'
class       = bridge
subclass    = PCI-PCI
cap 0d[40] = PCI Bridge card=0x803f1bcf
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@pci:0:2:0:      class=0x060400 card=0x803f1bcf chip=0x0e048086 rev=0x04 hdr=0x01
vendor      = 'Intel Corporation'
device      = 'Ivytown PCI Express Root Port 2a'
class       = bridge
subclass    = PCI-PCI
cap 0d[40] = PCI Bridge card=0x803f1bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port slot max data 128(256) link x0(x16)
              speed 0.0(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
pcib3@pci:0:3:0:      class=0x060400 card=0x803f1bcf 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=0x803f1bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port slot max data 256(256) link x1(x8)
              speed 5.0(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
pcib4@pci:0:3:2:      class=0x060400 card=0x803f1bcf chip=0x0e0a8086 rev=0x04 hdr=0x01
vendor      = 'Intel Corporation'
device      = 'Ivytown PCI Express Root Port 3c'
class       = bridge
subclass    = PCI-PCI
cap 0d[40] = PCI Bridge card=0x803f1bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port slot max data 128(256) link x0(x8)
              speed 0.0(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@pci:0:4:0:      class=0x088000 card=0x803f1bcf 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@pci:0:4:1:      class=0x088000 card=0x803f1bcf 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@pci:0:4:2:      class=0x088000 card=0x803f1bcf 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@pci:0:4:3:      class=0x088000 card=0x803f1bcf 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
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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
none4@pci:0:4:4: class=0x088000 card=0x803f1bcf 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@pci:0:4:5: class=0x088000 card=0x803f1bcf 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@pci:0:4:6: class=0x088000 card=0x803f1bcf 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@pci:0:4:7: class=0x088000 card=0x803f1bcf 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
none8@pci:0:5:0: class=0x088000 card=0x803f1bcf 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=0x803f1bcf 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=0x803f1bcf 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
pcib5@pci:0:17:0: class=0x060400 card=0x803f1bcf 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=0x803f1bcf
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=0x803f1bcf 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=0x803f1bcf 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=0x803f1bcf 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
pcib6@pci:0:28:0: class=0x060400 card=0x803f1bcf 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 slot max data 128(128) link x1(x1)
speed 5.0(5.0) ASPM disabled(L1)
cap 05[80] = MSI supports 1 message
cap 0d[90] = PCI Bridge card=0x803f1bcf
cap 01[a0] = powerspec 2 supports D0 D3 current D0
pcib7@pci:0:28:4: class=0x060400 card=0x803f1bcf 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 x1(x1)
speed 2.5(5.0) ASPM disabled(L1)
cap 05[80] = MSI supports 1 message
cap 0d[90] = PCI Bridge card=0x803f1bcf
cap 01[a0] = powerspec 2 supports D0 D3 current D0
ehci1@pci:0:29:0: class=0x0c0320 card=0x803f1bcf chip=0x1d268086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset USB2 Enhanced Host Controller'
class = serial bus
subclass = USB

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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=0x803f1bcf chip=0x244e8086 rev=0xa5 hdr=0x01
vendor = 'Intel Corporation'
device = '82801 PCI Bridge'
class = bridge
subclass = PCI-PCI
cap 0d[50] = PCI Bridge card=0x803f1bcf
isab0@pci:0:31:0: class=0x060100 card=0x803f1bcf chip=0x1d418086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset LPC Controller'
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=0x803f1bcf chip=0x1d008086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'C600/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=0x803f1bcf chip=0x1d228086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset SMBus Host Controller'
class = serial bus
subclass = SMBus
atapci1@pci:0:31:5: class=0x010185 card=0x803f1bcf chip=0x1d088086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'C600/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
none13@pci:0:31:6: class=0x118000 card=0x803f1bcf chip=0x1d248086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset Thermal Management Controller'
class = dasp
cap 01[50] = powerspec 3 supports D0 D3 current D0
mfi0@pci:0:33:0:0: 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
bge0@pci:0:45:0:0: class=0x020000 card=0x80131bcf chip=0x165614e4 rev=0x10 hdr=0x00
vendor = 'Broadcom Corporation'
device = 'NetXtreme BCM5718 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[0x120]
cap 10[ac] = PCI-Express 2 endpoint max data 256(256) FLR link x1(x1)
speed 5.0(5.0) ASPM disabled(L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 00000255cd4ec90
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
bge1@pci:0:45:0:1: class=0x020000 card=0x80131bcf chip=0x165614e4 rev=0x10 hdr=0x00
vendor = 'Broadcom Corporation'
device = 'NetXtreme BCM5718 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[0x120]
cap 10[ac] = PCI-Express 2 endpoint max data 256(256) FLR link x1(x1)
speed 5.0(5.0) ASPM disabled(L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 00000255cd4ec91
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
bge2@pci:0:2:0:0: class=0x020000 card=0x803f1bcf chip=0x165614e4 rev=0x10 hdr=0x00
vendor = 'Broadcom Corporation'
device = 'NetXtreme BCM5718 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 x1(x1)
speed 5.0(5.0) ASPM disabled(L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 0000d43d7e7858e8
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
bge3@pci:0:2:0:1: class=0x020000 card=0x803f1bcf chip=0x165614e4 rev=0x10 hdr=0x00
vendor = 'Broadcom Corporation'
device = 'NetXtreme BCM5718 Gigabit Ethernet PCIe'
class = network

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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 x1(x1)
speed 5.0(5.0) ASPM disabled(L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 0000d43d7e7858e9
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
vgapci0@pci:5:0:0: class=0x030000 card=0x803f1bcf 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@pci:0:127:8:0: class=0x088000 card=0x803f1bcf chip=0x0e808086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown QPI Link 0'
class = base peripheral
none15@pci:0:127:9:0: class=0x088000 card=0x803f1bcf chip=0x0e908086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown QPI Link 1'
class = base peripheral
none16@pci:0:127:10:0: class=0x088000 card=0x803f1bcf chip=0x0ec08086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 0'
class = base peripheral
none17@pci:0:127:10:1: class=0x088000 card=0x803f1bcf chip=0x0ec18086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 1'
class = base peripheral
none18@pci:0:127:10:2: class=0x088000 card=0x803f1bcf chip=0x0ec28086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 2'
class = base peripheral
none19@pci:0:127:10:3: class=0x088000 card=0x803f1bcf chip=0x0ec38086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 3'
class = base peripheral
none20@pci:0:127:10:4: class=0x088000 card=0x803f1bcf chip=0x0ec48086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 4'
class = base peripheral
none21@pci:0:127:11:0: class=0x088000 card=0x803f1bcf chip=0x0e1e8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Semaphore and Scratchpad Configuration Registers'
class = base peripheral
none22@pci:0:127:11:3: class=0x088000 card=0x803f1bcf chip=0x0e1f8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Semaphore and Scratchpad Configuration Registers'
class = base peripheral
none23@pci:0:127:12:0: class=0x088000 card=0x803f1bcf chip=0x0ee08086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none24@pci:0:127:12:1: class=0x088000 card=0x803f1bcf chip=0x0ee28086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none25@pci:0:127:13:0: class=0x088000 card=0x803f1bcf chip=0x0ee18086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none26@pci:0:127:13:1: class=0x088000 card=0x803f1bcf chip=0x0ee38086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none27@pci:0:127:14:0: class=0x088000 card=0x803f1bcf chip=0x0ea08086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Home Agent 0'
class = base peripheral
none28@pci:0:127:14:1: class=0x110100 card=0x803f1bcf chip=0x0e308086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Home Agent 0'
class = dasp
none29@pci:0:127:15:0: class=0x088000 card=0x803f1bcf chip=0x0ea8086 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)
none30@pci:0:127:15:1: class=0x088000 card=0x803f1bcf 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)
none31@pci:0:127:15:2: class=0x088000 card=0x803f1bcf 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)
none32@pci:0:127:15:3: class=0x088000 card=0x803f1bcf 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)
none33@pci:0:127:15:4: class=0x088000 card=0x803f1bcf 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)
none34@pci:0:127:15:5: class=0x088000 card=0x803f1bcf chip=0x0ead8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'

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class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none35@pci:0:127:16:0: class=0x088000 card=0x803f1bcf 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)
none36@pci:0:127:16:1: class=0x088000 card=0x803f1bcf 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)
none37@pci:0:127:16:2: class=0x088000 card=0x803f1bcf 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)
none38@pci:0:127:16:3: class=0x088000 card=0x803f1bcf 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)
none39@pci:0:127:16:4: class=0x088000 card=0x803f1bcf 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)
none40@pci:0:127:16:5: class=0x088000 card=0x803f1bcf 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)
none41@pci:0:127:16:6: class=0x088000 card=0x803f1bcf 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)
none42@pci:0:127:16:7: class=0x088000 card=0x803f1bcf 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)
none43@pci:0:127:19:0: class=0x088000 card=0x803f1bcf chip=0x0e1d8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown R2PCIE'
class = base peripheral
none44@pci:0:127:19:1: class=0x110100 card=0x803f1bcf chip=0x0e348086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown PCI Express Ring Performance Monitoring'
class = dasp
none45@pci:0:127:19:4: class=0x088000 card=0x803f1bcf chip=0x0e818086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown QPI Ring Registers'
class = base peripheral
none46@pci:0:127:19:5: class=0x110100 card=0x803f1bcf chip=0x0e368086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown QPI Ring Performance Ring Monitoring'
class = dasp
none47@pci:0:127:22:0: class=0x088000 card=0x803f1bcf chip=0x0ec88086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown System Address Decoder'
class = base peripheral
none48@pci:0:127:22:1: class=0x088000 card=0x803f1bcf chip=0x0ec98086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Broadcast Registers'
class = base peripheral
none49@pci:0:127:22:2: class=0x088000 card=0x803f1bcf chip=0x0eca8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Broadcast Registers'
class = base peripheral
pcib18@pci:0:128:0:0: class=0x060400 card=0x803f1bcf 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=0x803f1bcf
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
pcib12@pci:0:128:2:0: class=0x060400 card=0x803f1bcf chip=0x0e048086 rev=0x04 hdr=0x01
vendor = 'Intel Corporation'
device = 'Ivytown PCI Express Root Port 2a'
class = bridge
subclass = PCI-PCI
cap 0d[40] = PCI Bridge card=0x803f1bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port max data 128(256) link x0(x8)
speed 0.0(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
none50@pci:0:128:4:0: class=0x088000 card=0x803f1bcf 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
none51@pci:0:128:4:1: class=0x088000 card=0x803f1bcf chip=0x0e218086 rev=0x04 hdr=0x00

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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
none52@pci:128:4:2: class=0x088000 card=0x803f1bfc 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
none53@pci:128:4:3: class=0x088000 card=0x803f1bfc 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
none54@pci:128:4:4: class=0x088000 card=0x803f1bfc 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
none55@pci:128:4:5: class=0x088000 card=0x803f1bfc 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
none56@pci:128:4:6: class=0x088000 card=0x803f1bfc 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
none57@pci:128:4:7: class=0x088000 card=0x803f1bfc 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
none58@pci:128:5:0: class=0x088000 card=0x803f1bfc 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)
none59@pci:128:5:2: class=0x088000 card=0x803f1bfc 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=0x803f1bfc 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
none60@pci:255:8:0: class=0x088000 card=0x803f1bfc chip=0x0e808086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown QPI Link 0'
class = base peripheral
none61@pci:255:9:0: class=0x088000 card=0x803f1bfc chip=0x0e908086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown QPI Link 1'
class = base peripheral
none62@pci:255:10:0: class=0x088000 card=0x803f1bfc chip=0x0ec08086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 0'
class = base peripheral
none63@pci:255:10:1: class=0x088000 card=0x803f1bfc chip=0x0ec18086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 1'
class = base peripheral
none64@pci:255:10:2: class=0x088000 card=0x803f1bfc chip=0x0ec28086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 2'
class = base peripheral
none65@pci:255:10:3: class=0x088000 card=0x803f1bfc chip=0x0ec38086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 3'
class = base peripheral
none66@pci:255:10:4: class=0x088000 card=0x803f1bfc chip=0x0ec48086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Power Control Unit 4'
class = base peripheral
none67@pci:255:11:0: class=0x088000 card=0x803f1bfc chip=0x0e1e8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Semaphore and Scratchpad Configuration Registers'
class = base peripheral
none68@pci:255:11:3: class=0x088000 card=0x803f1bfc chip=0x0e1f8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Semaphore and Scratchpad Configuration Registers'
class = base peripheral
none69@pci:255:12:0: class=0x088000 card=0x803f1bfc chip=0x0ee08086 rev=0x04 hdr=0x00

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vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none70@pci0:255:12:1: class=0x088000 card=0x803f1bcf chip=0x0ee28086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none71@pci0:255:13:0: class=0x088000 card=0x803f1bcf chip=0x0ee18086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none72@pci0:255:13:1: class=0x088000 card=0x803f1bcf chip=0x0ee38086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Unicast Registers'
class = base peripheral
none73@pci0:255:14:0: class=0x088000 card=0x803f1bcf chip=0x0ea08086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Home Agent 0'
class = base peripheral
none74@pci0:255:14:1: class=0x110100 card=0x803f1bcf chip=0x0e308086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Home Agent 0'
class = dasp
none75@pci0:255:15:0: class=0x088000 card=0x803f1bcf 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)
none76@pci0:255:15:1: class=0x088000 card=0x803f1bcf 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)
none77@pci0:255:15:2: class=0x088000 card=0x803f1bcf 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)
none78@pci0:255:15:3: class=0x088000 card=0x803f1bcf 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)
none79@pci0:255:15:4: class=0x088000 card=0x803f1bcf 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)
none80@pci0:255:15:5: class=0x088000 card=0x803f1bcf 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)
none81@pci0:255:16:0: class=0x088000 card=0x803f1bcf 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)
none82@pci0:255:16:1: class=0x088000 card=0x803f1bcf 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)
none83@pci0:255:16:2: class=0x088000 card=0x803f1bcf 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)
none84@pci0:255:16:3: class=0x088000 card=0x803f1bcf 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)
none85@pci0:255:16:4: class=0x088000 card=0x803f1bcf 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)
none86@pci0:255:16:5: class=0x088000 card=0x803f1bcf 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)
none87@pci0:255:16:6: class=0x088000 card=0x803f1bcf 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)
none88@pci0:255:16:7: class=0x088000 card=0x803f1bcf 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)
none89@pci0:255:19:0: class=0x088000 card=0x803f1bcf chip=0x0e1d8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown R2PCIE'
class = base peripheral
none90@pci0:255:19:1: class=0x110100 card=0x803f1bcf chip=0x0e348086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown PCI Express Ring Performance Monitoring'
class = dasp
none91@pci0:255:19:4: class=0x088000 card=0x803f1bcf chip=0x0e818086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown QPI Ring Registers'
class = base peripheral
none92@pci0:255:19:5: class=0x110100 card=0x803f1bcf chip=0x0e368086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown QPI Ring Performance Ring Monitoring'
class = dasp
none93@pci0:255:22:0: class=0x088000 card=0x803f1bcf chip=0x0ec88086 rev=0x04 hdr=0x00

```

```
vendor = 'Intel Corporation'  
device = 'Ivytown System Address Decoder'  
class = base peripheral  
none94@pci0:255:22:1: class=0x088000 card=0x803f1bcf chip=0x0ec98086 rev=0x04 hdr=0x00  
vendor = 'Intel Corporation'  
device = 'Ivytown Broadcast Registers'  
class = base peripheral  
none95@pci0:255:22:2: class=0x088000 card=0x803f1bcf 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=0x7c98d080, length=36, cksum=120
XSDT: Length=124, Revision=1, Checksum=127,
OEMID=ALASKA, OEM Table ID=0645, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
Entries={ 0x7c99aae8, 0x7c99abf8, 0x7c99acd0, 0x7c99ad18, 0x7c99ad58, 0x7c99b088, 0x7c99b0b8, 0x7c99b0f0, 0x7c99b1b0, 0x7ca6be60, 0x7ca6be90 }
FACP: Length=268, Revision=5, Checksum=49,
OEMID=ALASKA, OEM Table ID=0645, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
FACS=0x7cc6a080, DSDT=0x7c98d188
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=0xfe
FACS: Length=64, HwSig=0x00000000, FirmWake_Vec=0x00000000
Global_Lock=
Flags=
Version=2
DSDT: Length=55645, Revision=2, Checksum=108,
OEMID=ALASKA, OEM Table ID=0645, OEM Revision=0x15,
Creator ID=INTL, Creator Revision=0x20091112
APIC: Length=212, Revision=3, Checksum=98,
OEMID=ALASKA, OEM Table ID=0645, 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=1
Flags={ENABLED}
APIC ID=2
Type=Local APIC
ACPI CPU=2
Flags={ENABLED}
APIC ID=4
Type=Local APIC
ACPI CPU=3
Flags={ENABLED}
APIC ID=6
Type=Local APIC
ACPI CPU=4
Flags={ENABLED}
APIC ID=32
Type=Local APIC
ACPI CPU=5
Flags={ENABLED}
APIC ID=34
Type=Local APIC
ACPI CPU=6
Flags={ENABLED}
APIC ID=36
Type=Local APIC
ACPI CPU=7
Flags={ENABLED}
APIC ID=38
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=1
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=3
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=5
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=7
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
FPDT: Length=68, Revision=1, Checksum=62,
OEMID=ALASKA, OEM Table ID=0645, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
MCFG: Length=60, Revision=1, Checksum=76,
OEMID=ALASKA, OEM Table ID=OEMCFG., OEM Revision=0x1072009,
Creator ID=MSFT, Creator Revision=0x97
Base Address=0x0000000080000000
Segment Group=0x0000
Start Bus=0
End Bus=255
SRAT: Length=816, Revision=1, Checksum=229,
OEMID=AMI, 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=2
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=4
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=6
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=32
Proximity Domain=1
Type=CPU
Flags={ENABLED}
APIC ID=34
Proximity Domain=1
Type=CPU
Flags={ENABLED}
APIC ID=36
Proximity Domain=1
Type=CPU
Flags={ENABLED}
APIC ID=38
Proximity Domain=1
Type=Memory
Flags={ENABLED}
Base Address=0x0000000000000000
Length=0x0000000080000000
Proximity Domain=0
Type=Memory
Flags={ENABLED}
Base Address=0x0000000100000000
Length=0x0000000180000000
Proximity Domain=0
Type=Memory
Flags={ENABLED}
Base Address=0x0000000280000000
Length=0x0000000200000000
Proximity Domain=1
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
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
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
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
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
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
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
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
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
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
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
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
Type=Memory
Flags={DISABLED}
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=126,
OEMID=ALASKA, OEM Table ID=0645, 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=242,
OEMID=INTEL, OEM Table ID=cpuPm, OEM Revision=0x4000,
Creator ID=INTL, Creator Revision=0x20051117
BERT: Length=48, Revision=1, Checksum=11,
OEMID=AMI, OEM Table ID=AMI BERT, OEM Revision=0x0,
Creator ID=, Creator Revision=0x0
DMAR: Length=328, Revision=1, Checksum=39,
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=104
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 Sub-Hierarchy
Length=8
EnumerationId=0
StartBusNumber=128
Path={2:0}
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=0xdfff000
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=0x7de3b000
LimitAddress=0x7de52fff
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=56
Flags=
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={2:0}
Type=PCI Sub-Hierarchy
Length=8
EnumerationId=0
StartBusNumber=0
Path={3:0}
Type=PCI Sub-Hierarchy
Length=8
EnumerationId=0
StartBusNumber=0
Path={3:2}
Type=PCI Sub-Hierarchy
Length=8
EnumerationId=0
StartBusNumber=128
Path={0:0}
Type=PCI Sub-Hierarchy
Length=8
EnumerationId=0
StartBusNumber=128
Path={2:0}
Type=RHSA
Length=20
BaseAddress=0xfbf000
ProximityDomain=0x00000001
Type=RHSA
Length=20
BaseAddress=0xdfff000
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=8802<BROADCAST,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>
ether 00:25:5c:d4:ec:90
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect
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 00:25:5c:d4:ec:91
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 d4:3d:7e:78:58:e8
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 d4:3d:7e:78:58:e9
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	11 root	wheel	512 Mar 12 21:21 /dev
99	0 lrwxr-xr-x	1 root	wheel	12 Mar 12 12:21 /dev/log -> /var/run/log
110	0 lrwxr-xr-x	1 root	wheel	12 Mar 12 21:21 /dev/dumpdev -> /dev/mfid0p3
3	0 cr--r--r--	1 root	wheel	0x3 Mar 12 12:21 /dev/sndstat
4	0 crw-r-----	1 root	operator	0x4 Mar 12 12:21 /dev/geom.ctl
5	0 crw-----	1 root	wheel	0x5 Mar 12 12:21 /dev/devctl
6	0 crw-----	1 root	wheel	0x6 Mar 12 12:35 /dev/console
7	0 crw-----	1 root	wheel	0x7 Mar 12 12:21 /dev/kbdmux0
8	0 lrwxr-xr-x	1 root	wheel	7 Mar 12 12:21 /dev/kbd1 -> kbdmux0
9	0 crw-rw-rw-	1 root	wheel	0x9 Mar 12 12:21 /dev/tty
10	0 crw-r-----	1 root	kmem	0xa Mar 12 12:21 /dev/mem
11	0 crw-r-----	1 root	kmem	0xb Mar 12 12:21 /dev/kmem
12	0 crw-----	1 root	wheel	0xc Mar 12 12:21 /dev/fido
13	0 crw-----	1 root	wheel	0xd Mar 12 12:21 /dev/bpf
14	0 lrwxr-xr-x	1 root	wheel	3 Mar 12 12:21 /dev/bpf0 -> bpf
15	0 crw-rw-rw-	1 root	wheel	0xf Mar 12 12:33 /dev/null
16	0 crw-rw-rw-	1 root	wheel	0x10 Mar 12 12:21 /dev/zero
17	0 crw-r--r--	1 root	wheel	0x11 Mar 12 12:21 /dev/pci
18	0 crw-----	1 root	kmem	0x12 Mar 12 12:21 /dev/nfslock
19	0 crw-----	1 root	kmem	0x13 Mar 12 12:21 /dev/audit
20	0 crw-rw-rw-	1 root	wheel	0x14 Mar 12 21:21 /dev/random
21	0 lrwxr-xr-x	1 root	wheel	6 Mar 12 12:21 /dev/urandom -> random
106	1 dr-xr-xr-x	2 root	wheel	512 Mar 12 12:21 /dev/fd
22	0 crw-rw-rw-	1 root	wheel	0x16 Mar 12 12:21 /dev/fd/0
24	0 crw-rw-rw-	1 root	wheel	0x18 Mar 12 12:21 /dev/fd/1
26	0 crw-rw-rw-	1 root	wheel	0x1a Mar 12 12:21 /dev/fd/2
23	0 lrwxr-xr-x	1 root	wheel	4 Mar 12 12:21 /dev/stdin -> fd/0
25	0 lrwxr-xr-x	1 root	wheel	4 Mar 12 12:21 /dev/stdout -> fd/1
27	0 lrwxr-xr-x	1 root	wheel	4 Mar 12 12:21 /dev/stderr -> fd/2
28	0 crw-----	1 root	wheel	0x1c Mar 12 12:21 /dev/io
29	0 crw-rw-rw-	1 root	wheel	0x1d Mar 12 12:21 /dev/midistat
30	0 crw-----	1 root	wheel	0x1e Mar 12 12:21 /dev/synmouse
31	0 crw-----	1 root	wheel	0x1f Mar 12 12:21 /dev/klog
32	0 crw-r--r--	1 root	wheel	0x20 Mar 12 12:21 /dev/acpi
33	0 crw-rw-rw-	1 root	operator	0x21 Mar 12 12:21 /dev/apmctl
34	0 crw-rw-rw-	1 root	operator	0x22 Mar 12 12:21 /dev/apm
35	0 crw-r-----	1 root	operator	0x23 Mar 12 12:21 /dev/mfi0
36	0 lrwxr-xr-x	1 root	wheel	4 Mar 12 12:21 /dev/megaraid_sas_ioctl_node -> mfi0
37	0 crw-----	1 root	wheel	0x25 Mar 12 12:21 /dev/ttyu0
38	0 crw-----	1 root	wheel	0x26 Mar 12 12:21 /dev/ttyu0.init
39	0 crw-----	1 root	wheel	0x27 Mar 12 12:21 /dev/ttyu0.lock
40	0 crw-rw-rw-	1 uucp	dialer	0x28 Mar 12 12:21 /dev/cua0
41	0 crw-rw-rw-	1 uucp	dialer	0x29 Mar 12 12:21 /dev/cua0.init
42	0 crw-rw-rw-	1 uucp	dialer	0x2a Mar 12 12:21 /dev/cua0.lock
43	0 crw-----	1 root	wheel	0x2b Mar 12 12:21 /dev/ttyu1
44	0 crw-----	1 root	wheel	0x2c Mar 12 12:21 /dev/ttyu1.init
45	0 crw-----	1 root	wheel	0x2d Mar 12 12:21 /dev/ttyu1.lock
46	0 crw-rw-rw-	1 uucp	dialer	0x2e Mar 12 12:21 /dev/cua1
47	0 crw-rw-rw-	1 uucp	dialer	0x2f Mar 12 12:21 /dev/cua1.init
48	0 crw-rw-rw-	1 uucp	dialer	0x30 Mar 12 12:21 /dev/cua1.lock
49	0 crw-----	1 root	tty	0x31 Mar 12 12:36 /dev/ttyv0
50	0 crw-----	1 root	wheel	0x32 Mar 12 12:21 /dev/ttyv1
51	0 crw-----	1 root	wheel	0x33 Mar 12 12:21 /dev/ttyv2
52	0 crw-----	1 root	wheel	0x34 Mar 12 12:21 /dev/ttyv3
53	0 crw-----	1 root	wheel	0x35 Mar 12 12:21 /dev/ttyv4
54	0 crw-----	1 root	wheel	0x36 Mar 12 12:21 /dev/ttyv5
55	0 crw-----	1 root	wheel	0x37 Mar 12 12:21 /dev/ttyv6
56	0 crw-----	1 root	wheel	0x38 Mar 12 12:21 /dev/ttyv7
57	0 crw-----	1 root	wheel	0x39 Mar 12 12:21 /dev/ttyv8
58	0 crw-----	1 root	wheel	0x3a Mar 12 12:21 /dev/ttyv9
59	0 crw-----	1 root	wheel	0x3b Mar 12 12:21 /dev/ttyva
60	0 crw-----	1 root	wheel	0x3c Mar 12 12:21 /dev/ttyvb
61	0 crw-----	1 root	wheel	0x3d Mar 12 12:21 /dev/ttyvc
62	0 crw-----	1 root	wheel	0x3e Mar 12 12:21 /dev/ttyvd
63	0 crw-----	1 root	wheel	0x3f Mar 12 12:21 /dev/ttyve
64	0 crw-----	1 root	wheel	0x40 Mar 12 12:21 /dev/ttyvf
65	0 crw-----	1 root	wheel	0x41 Mar 12 12:21 /dev/consoclet1
66	0 crw-----	1 root	wheel	0x42 Mar 12 12:21 /dev/ufssuspend
68	0 crw-r--r--	1 root	operator	0x44 Mar 12 12:21 /dev/usbctl
69	0 crw-----	1 root	operator	0x45 Mar 12 12:21 /dev/xpt0
70	0 crw-----	1 root	wheel	0x46 Mar 12 12:21 /dev/mdctl
107	1 dr-xr-xr-x	2 root	wheel	512 Mar 12 12:21 /dev/usb
71	0 crw-----	1 root	operator	0x47 Mar 12 12:21 /dev/usb/0.1.0
73	0 crw-----	1 root	operator	0x49 Mar 12 12:21 /dev/usb/1.1.0
75	0 crw-----	1 root	operator	0x4b Mar 12 12:21 /dev/usb/1.1.1
76	0 crw-----	1 root	operator	0x4c Mar 12 12:21 /dev/usb/0.1.1
78	0 crw-----	1 root	operator	0x4e Mar 12 12:21 /dev/usb/1.2.0
80	0 crw-----	1 root	operator	0x50 Mar 12 12:21 /dev/usb/0.2.0
82	0 crw-----	1 root	operator	0x52 Mar 12 12:21 /dev/usb/1.2.1
83	0 crw-----	1 root	operator	0x53 Mar 12 12:21 /dev/usb/0.2.1
84	0 crw-----	1 root	operator	0x54 Mar 12 12:21 /dev/usb/0.3.0
86	0 crw-----	1 root	operator	0x56 Mar 12 12:21 /dev/usb/0.3.1
87	0 crw-----	1 root	operator	0x57 Mar 12 12:21 /dev/usb/1.3.0
89	0 crw-----	1 root	operator	0x59 Mar 12 12:21 /dev/usb/1.3.1
90	0 crw-----	1 root	operator	0x5a Mar 12 12:21 /dev/usb/1.3.2
101	0 crw-----	1 root	operator	0x65 Mar 12 12:21 /dev/usb/0.4.0
103	0 crw-----	1 root	operator	0x67 Mar 12 12:21 /dev/usb/0.4.1
100	0 crw-----	1 root	operator	0x64 Mar 12 12:35 /dev/usb/0.5.0
111	0 crw-----	1 root	operator	0x6f Mar 12 12:35 /dev/usb/0.5.1
112	0 crw-----	1 root	operator	0x70 Mar 12 12:35 /dev/usb/0.5.2
72	0 lrwxr-xr-x	1 root	wheel	9 Mar 12 12:21 /dev/ugen0.1 -> usb/0.1.0
74	0 lrwxr-xr-x	1 root	wheel	9 Mar 12 12:21 /dev/ugen1.1 -> usb/1.1.0
77	0 cr-----	1 root	wheel	0x4d Mar 12 12:21 /dev/devstat
79	0 lrwxr-xr-x	1 root	wheel	9 Mar 12 12:21 /dev/ugen1.2 -> usb/1.2.0
81	0 lrwxr-xr-x	1 root	wheel	9 Mar 12 12:21 /dev/ugen0.2 -> usb/0.2.0
85	0 lrwxr-xr-x	1 root	wheel	9 Mar 12 12:21 /dev/ugen0.3 -> usb/0.3.0
88	0 lrwxr-xr-x	1 root	wheel	9 Mar 12 12:21 /dev/ugen1.3 -> usb/1.3.0
91	0 crw-----	1 root	wheel	0x5b Mar 12 12:21 /dev/ukbd0
92	0 lrwxr-xr-x	1 root	wheel	5 Mar 12 12:21 /dev/kbd0 -> ukbd0
93	0 crw-r-----	1 root	operator	0x5d Mar 12 12:21 /dev/mfid0
94	0 crw-r-----	1 root	operator	0x5e Mar 12 12:21 /dev/mfid0p1
95	0 crw-r-----	1 root	operator	0x5f Mar 12 21:21 /dev/mfid0p2
96	0 crw-r-----	1 root	operator	0x60 Mar 12 21:21 /dev/mfid0p3
108	1 dr-xr-xr-x	2 root	wheel	512 Mar 12 12:21 /dev/gptid

```
97 0 crw-r----- 1 root
102 0 lrwxr-xr-x 1 root
104 0 crw----- 1 root
105 0 lrwxr-xr-x 1 root
98 0 crw-r--r-- 1 root
109 0 lrwxr-xr-x 1 root
113 0 crw----- 1 root
114 0 crw-r----- 1 root
```

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

```
0x61 Mar 12 12:21 /dev/gptid/042631b9-a9e0-11e3-8871-00255cd4ec90
9 Mar 12 12:21 /dev/ugen0.4 -> usb/0.4.0
0x68 Mar 12 12:21 /dev/ukbd1
5 Mar 12 12:21 /dev/kbd2 -> ukbd1
0x62 Mar 12 12:21 /dev/ums0
9 Mar 12 12:35 /dev/ugen0.5 -> usb/0.5.0
0x71 Mar 12 12:35 /dev/pass0
0x72 Mar 12 12:35 /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3月12日版作成

FreeBSD動作検証レポート

R120e-2M / 10.0-STABLE

対象ハードウェア

maker:NEC, product:Express5800/R120e-1M [N8100-2056Y],
serial:3X00105, 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3月12日版

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