

# FreeBSD動作検証レポート

## R120d-1E / 10.0-STABLE

### 対象ハードウェア

maker:NEC, product:Express5800/R120d-1E [N8100-1845Y],  
serial:2800169, version:FR1.2

### 対象OSバージョン

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

2014年4月19日版

BSDコンサルティング株式会社

本文書の無断での引用・転載を禁止する

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# 動作検証レポート

# 要約

## ハードウェア基本情報

製品UUID	000a1e26-58f3-e111-8001-902b34ba0338
製品データ	maker:NEC, product:Express5800/R120d-1E [N8100-1845Y], serial:2800169, version:FR1.2
筐体データ	maker:NEC, serial:01, tag:0000000000000000, version:856-857460-002
CPU	Intel(R) Xeon(R) CPU E5-2430L 0 @ 2.00GHz
MEMORY	16777216[KB]
BIOS	reldate:04/25/2012, vendor:American Megatrends Inc., version:4.6.0007
ACPI	oem:ALASKA, revision:2, rsdp:0x000f0450, rsdt:0x7de05028, xsdt:0x00000007de05080
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	19.145 GBi/sec
IPv4スタック処理速度	230.850 MBi/sec
IPv6スタック処理速度	323.199 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/R120d-1E [N8100-1845Y], serial:2800169, version:FR1.2」において正常に動作する。本機はFreeBSD 10.0-STABLE #0 r262915: Sat Mar 8 03:13:32 UTC 2014よりも前のバージョンでの使用は推奨できない。今後リリースが予定されているFreeBSD 10.1-RELEASEなどFreeBSD 10.0-STABLE #0 r262915: Sat Mar 8 03:13:32 UTC 2014以降のバージョンの使用が推奨される。

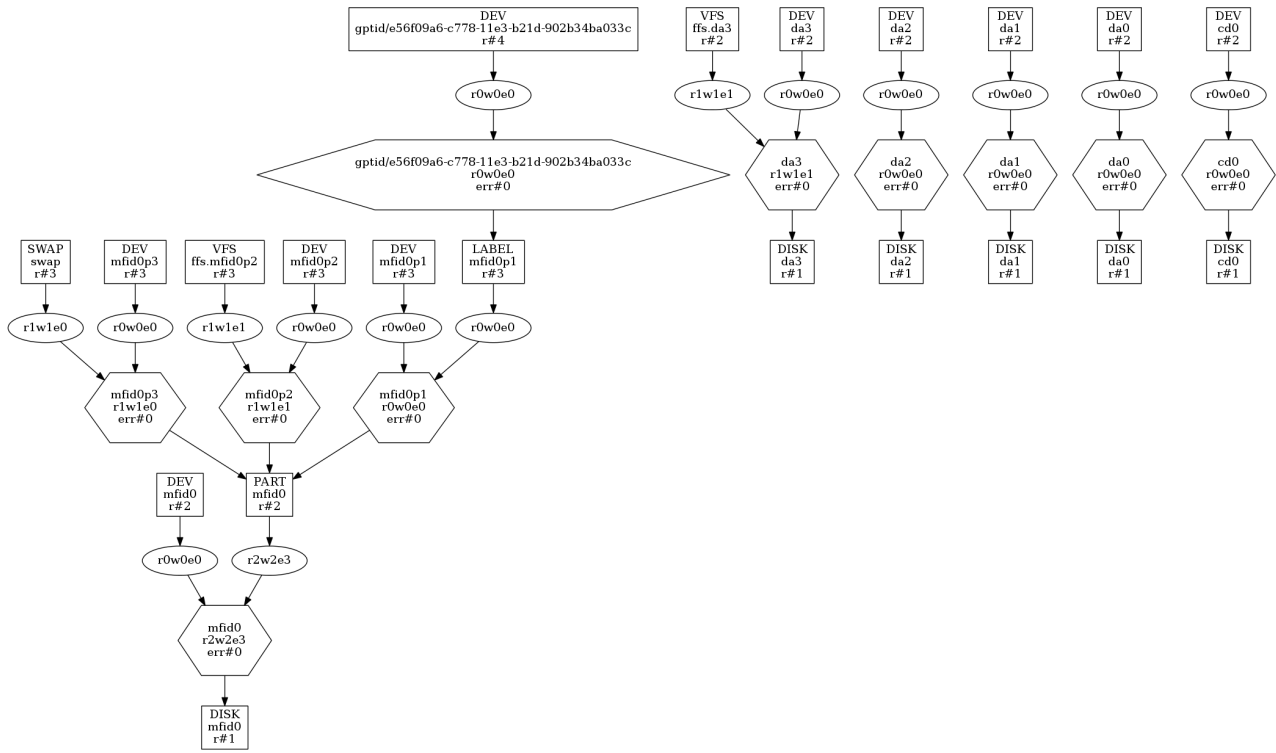
FreeBSD 10.1-RELEASEがリリースされるよりも前の段階でリリースバージョンでの使用が必要とされる場合、リリースバージョンでの使用が必要とされる場合、FreeBSD 10.0-RELEASEのユーザランドにFreeBSD 10.0-STABLEのカーネルを組み合わせて利用する方法を検討できる。本番環境での使用にあたっては実施前にその組み合わせでの負荷試験の実施が推奨される。

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

## 互換情報

NEC Express5800/R120d-1E、NEC Express5800/R120d-2E、NEC Express5800/R110d-1Mは同じマザーボードを採用しており、本動作証レポートの内容はNEC Express5800/R120d-2EおよびNEC Express5800/R110d-1Mにおいても有効。

# 検証機GEOMツリー



# 高負荷耐久試験

# 高負荷耐久試験

## 試験結果

検証対象ハードウェア(maker:NEC, product:Express5800/R120d-1E [N8100-1845Y], serial:2800169, version:FR1.2)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=05CE, 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=05CE, OEM_Revision=0x15, Creator_ID=INTL, Creator_Revision=0x20091112
ACPI_FACP	Revision=4, OEMID=ALASKA, OEM_Table ID=05CE, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013, FACS=0x7f7b5f80, DSDT=0x7de05188, SMI_CMD=0xb2, ACPI_ENABLE=0xa0, ACPI_DISABLE=0xa1, S4BIOS_REQ=0x0, FLUSH_STRIDE=16, DUTY_WIDTH=3, RESET_VALUE=0xee
ACPI_FACS	HwSig=0x00000000, Firm_Wake_Vec=0x00000000
ACPI_HPET	Revision=1, OEMID=ALASKA, OEM_Table ID=05CE, 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=0x7de05080
ACPI_SLIT	Revision=1, OEMID=A_M I, OEM_Table ID=AMI SLIT, OEM_Revision=0x0, Creator_ID=AMI, Creator_Revision=0x0
ACPI_SPCR	Revision=1, OEMID=A_M I, OEM_Table ID=APTIO4, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x5
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=05CE, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_SSDDT_1	Length=459012, Revision=2, Checksum=27, 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	mf0 Adapter:, Product Name: LSI MegaRAID SAS 9267-8i, Serial Number: SV23002918, Firmware: 23.1.1-0014, RAID Levels: JBOD, RAID0, RAID1, RAID5, RAID6, RAID10, RAID50, Battery Backup: present, NVRAM: 32K, Onboard Memory: 1024M, Minimum Stripe: 8K, Maximum Stripe: 1M
ドライバ	mf0 Physical Drives:, 8 ( 136G) ONLINE lt;HITACHI HUC151414CSS600 A5D0 serial=PLY4A4YEg; SCSI-6 E1:S3, 9 ( 136G) ONLINE lt;HITACHI HUC151414CSS600 A5D0 serial=PLY4W4ZEg; SCSI-6 E1:S2, 10 ( 136G) ONLINE lt;HITACHI HUC151414CSS600 A5D0 serial=PLY4A11Eg; SCSI-6 E1:S1, 11 ( 136G) ONLINE lt;HITACHI HUC151414CSS600 A5D0 serial=PLY4S14Eg; SCSI-6 E1:S0
ボリューム	mf0 Volumes:, Id Size Level Stripe State Cache Name, mfid0 ( 272G) RAID-1 64K OPTIMAL Disabled
コンフィグ	mf0 Configuration: 2 arrays, 1 volumes, 0 spares, array 0 of 2 drives:, drive 11 ( 136G) ONLINE lt;HITACHI HUC151414CSS600 A5D0 serial=PLY4S14Eg; SCSI-6, drive 10 ( 136G) ONLINE lt;HITACHI HUC151414CSS600 A5D0 serial=PLY4A11Eg; SCSI-6, array 1 of 2 drives:, drive 9 ( 136G) ONLINE lt;HITACHI HUC151414CSS600 A5D0 serial=PLY4W4ZEg; SCSI-6, drive 8 ( 136G) ONLINE lt;HITACHI HUC151414CSS600 A5D0 serial=PLY4A4YEg; SCSI-6, volume mfid0 (272G) RAID-1 64K OPTIMAL spans:, array 0, array 1

※ 対象となるデバイスがmf0(4)ドライバを使用しないストレージ構成の場合、当該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
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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=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=90:2b:34:ba:03:3c, inet=192.168.1.39 netmask 0xfffff00 broadcast 192.168.1.255, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect (1000baseT <full-duplex, master>), status=active
bge1	flags=8802<BROADCAST,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=90:2b:34:ba:03:3d, 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=90:2b:34:ba:03:3e, 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=90:2b:34:ba:03:3f, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect

## カーネルデバイス認識データ

acpi	apm	apmctl	audit
bpf	bpf0(bpf)	cd0	console
consolectl	ctty	cuau0	cuau0.init
cuau0.lock	cuau1	cuau1.init	cuau1.lock
da0	da1	da2	devctl
devstat	dumpdev(mfid0p3)	fd	fd/0
fd/1	fd/2	fido	geom.ctl
gptid	gptid/e56f09a6-c778-11e3-b21d-902b34ba033c	io	kbd0(ukbd0)
kbd1(kbdmux0)	kbd2(ukbd1)	kbdmux0	klog
kmem	log(/var/run/log)	mdctl	megaraid_sas_ioctl_node(mfi0)
mem	mfi0	mfi0	mfi0p1
mfid0p2	mfid0p3	midistat	nfslock
null	pass0	pass1	pass2
pass3	pass4	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)
ugen1.4(usb/1.4.0)	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
usb/1.4.0	usb/1.4.3	usb/1.4.4	usbctl
xpt0	zero		

## PCI認識データ

1	pci0:0:0:0(hostb0), class=HOST-PCI, vendor='Intel Corporation', device='Xeon E5/Core i7 DMI2'
2	pci0:0:1:0(pci1), class=PCI-PCI, vendor='Intel Corporation', device='Xeon E5/Core i7 IIO PCI Express Root Port 1a'
3	pci0:0:3:0(pci2), class=PCI-PCI, vendor='Intel Corporation', device='Xeon E5/Core i7 IIO PCI Express Root Port 3a in PCI Express Mode'
4	pci0:0:4:0(none0), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 DMA Channel 0'
5	pci0:0:4:1(none1), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 DMA Channel 1'
6	pci0:0:4:2(none2), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 DMA Channel 2'
7	pci0:0:4:3(none3), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 DMA Channel 3'
8	pci0:0:4:4(none4), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 DMA Channel 4'
9	pci0:0:4:5(none5), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 DMA Channel 5'
10	pci0:0:4:6(none6), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 DMA Channel 6'
11	pci0:0:4:7(none7), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 DMA Channel 7'
12	pci0:0:5:0(none8), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Address Map, VTd_Misc, System Management'
13	pci0:0:5:2(none9), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Control Status and Global Errors'
14	pci0:0:5:4(ioapic0), class=interrupt controller, vendor='Intel Corporation', device='Xeon E5/Core i7 I/O APIC'
15	pci0:0:17:0(pci3), class=PCI-PCI, vendor='Intel Corporation', device='C600/X79 series chipset PCI Express Virtual Root Port'
16	pci0:0:22:0(none10), class=simple comms, vendor='Intel Corporation', device='C600/X79 series chipset MEI Controller'
17	pci0:0:22:1(none11), class=simple comms, vendor='Intel Corporation', device='C600/X79 series chipset MEI Controller'
18	pci0:0:26:0(ehci0), class=USB, vendor='Intel Corporation', device='C600/X79 series chipset USB2 Enhanced Host Controller'
19	pci0:0:28:0(pci4), class=PCI-PCI, vendor='Intel Corporation', device='C600/X79 series chipset PCI Express Root Port 1'
20	pci0:0:28:2(pci5), class=PCI-PCI, vendor='Intel Corporation', device='C600/X79 series chipset PCI Express Root Port 3'
21	pci0:0:28:3(pci6), class=PCI-PCI, vendor='Intel Corporation', device='C600/X79 series chipset PCI Express Root Port 4'
22	pci0:0:28:4(pci7), 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(pci8), class=PCI-PCI, vendor='Intel Corporation', device='82801 PCI Bridge'
25	pci0:0:31:0(isab0), class=PCI-ISA, vendor='Intel Corporation', device='C600/X79 series chipset LPC Controller'
26	pci0:0:31:2(atapci0), class=ATA, vendor='Intel Corporation', device='C600/X79 series chipset 4-Port SATA IDE Controller'
27	pci0:0:31:3(none12), class=SMBus, vendor='Intel Corporation', device='C600/X79 series chipset SMBus Host Controller'
28	pci0:0:31:5(atapci1), class=ATA, vendor='Intel Corporation', device='C600/X79 series chipset 2-Port SATA IDE Controller'
29	pci0:16:0:0(mfi0), class=RAID, vendor='LSI Logic / Symbios Logic', device='MegaRAID SAS 2208 [Thunderbolt]'
30	pci0:8:0:0(bge0), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5719 Gigabit Ethernet PCIe'
31	pci0:8:0:1(bge1), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5719 Gigabit Ethernet PCIe'
32	pci0:8:0:2(bge2), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5719 Gigabit Ethernet PCIe'
33	pci0:8:0:3(bge3), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5719 Gigabit Ethernet PCIe'
34	pci0:125:0:0(vgapi0), class=VGA, vendor='Matrox Electronics Systems Ltd.', device='MGA G200e [Pilot] ServerEngines (SEP1)'
35	pci0:127:8:0(none13), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 QPI Link 0'
36	pci0:127:8:3(none14), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 QPI Link Reut 0'
37	pci0:127:8:4(none15), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 QPI Link Reut 0'
38	pci0:127:9:0(none16), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 QPI Link 1'
39	pci0:127:9:3(none17), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 QPI Link Reut 1'
40	pci0:127:9:4(none18), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 QPI Link Reut 1'
41	pci0:127:10:0(none19), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Power Control Unit 0'
42	pci0:127:10:1(none20), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Power Control Unit 1'
43	pci0:127:10:2(none21), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Power Control Unit 2'
44	pci0:127:10:3(none22), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Power Control Unit 3'

45	pci0:127:11:0(none23), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Interrupt Control Registers'
46	pci0:127:11:3(none24), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Semaphore and Scratchpad Configuration Registers'
47	pci0:127:12:0(none25), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Unicast Register 0'
48	pci0:127:12:1(none26), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Unicast Register 0'
49	pci0:127:12:2(none27), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Unicast Register 0'
50	pci0:127:12:6(none28), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller System Address Decoder 0'
51	pci0:127:12:7(none29), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 System Address Decoder'
52	pci0:127:13:0(none30), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Unicast Register 0'
53	pci0:127:13:1(none31), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Unicast Register 0'
54	pci0:127:13:2(none32), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Unicast Register 0'
55	pci0:127:13:6(none33), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller System Address Decoder 1'
56	pci0:127:14:0(none34), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Processor Home Agent'
57	pci0:127:14:1(none35), class=dasp, vendor='Intel Corporation', device='Xeon E5/Core i7 Processor Home Agent Performance Monitoring'
58	pci0:127:15:0(none36), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller Registers'
59	pci0:127:15:1(none37), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller RAS Registers'
60	pci0:127:15:2(none38), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 0'
61	pci0:127:15:3(none39), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 1'
62	pci0:127:15:4(none40), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 2'
63	pci0:127:15:5(none41), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 3'
64	pci0:127:15:6(none42), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 4'
65	pci0:127:16:0(none43), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller Channel 0-3 Thermal Control 0'
66	pci0:127:16:1(none44), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller Channel 0-3 Thermal Control 1'
67	pci0:127:16:2(none45), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 0'
68	pci0:127:16:3(none46), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 1'
69	pci0:127:16:5(none47), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller Channel 0-3 Thermal Control 3'
70	pci0:127:16:6(none48), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 2'
71	pci0:127:16:7(none49), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 3'
72	pci0:127:17:0(none50), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 DDRIO'
73	pci0:127:19:0(none51), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 R2PCIe'
74	pci0:127:19:1(none52), class=dasp, vendor='Intel Corporation', device='Xeon E5/Core i7 Ring to PCI Express Performance Monitor'
75	pci0:127:19:4(none53), class=dasp, vendor='Intel Corporation', device='Xeon E5/Core i7 QuickPath Interconnect Agent Ring Registers'
76	pci0:127:19:5(none54), class=dasp, vendor='Intel Corporation', device='Xeon E5/Core i7 Ring to QuickPath Interconnect Link 0 Performance Monitor'
77	pci0:127:19:6(none55), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Ring to QuickPath Interconnect Link 1 Performance Monitor'

78	pci0:128:0:0(pci11), class=PCI-PCI, vendor='Intel Corporation', device='Xeon E5/Core i7 DMI2 in PCI Express Mode'
79	pci0:128:4:0(none56), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 DMA Channel 0'
80	pci0:128:4:1(none57), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 DMA Channel 1'
81	pci0:128:4:2(none58), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 DMA Channel 2'
82	pci0:128:4:3(none59), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 DMA Channel 3'
83	pci0:128:4:4(none60), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 DMA Channel 4'
84	pci0:128:4:5(none61), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 DMA Channel 5'
85	pci0:128:4:6(none62), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 DMA Channel 6'
86	pci0:128:4:7(none63), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 DMA Channel 7'
87	pci0:128:5:0(none64), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Address Map, VTd_Misc, System Management'
88	pci0:128:5:2(none65), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Control Status and Global Errors'
89	pci0:128:5:4(ioapic1), class=interrupt controller, vendor='Intel Corporation', device='Xeon E5/Core i7 I/O APIC'
90	pci0:255:8:0(none66), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 QPI Link 0'
91	pci0:255:8:3(none67), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 QPI Link Reut 0'
92	pci0:255:8:4(none68), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 QPI Link Reut 0'
93	pci0:255:9:0(none69), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 QPI Link 1'
94	pci0:255:9:3(none70), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 QPI Link Reut 1'
95	pci0:255:9:4(none71), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 QPI Link Reut 1'
96	pci0:255:10:0(none72), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Power Control Unit 0'
97	pci0:255:10:1(none73), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Power Control Unit 1'
98	pci0:255:10:2(none74), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Power Control Unit 2'
99	pci0:255:10:3(none75), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Power Control Unit 3'
100	pci0:255:11:0(none76), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Interrupt Control Registers'
101	pci0:255:11:3(none77), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Semaphore and Scratchpad Configuration Registers'
102	pci0:255:12:0(none78), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Unicast Register 0'
103	pci0:255:12:1(none79), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Unicast Register 0'
104	pci0:255:12:2(none80), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Unicast Register 0'
105	pci0:255:12:6(none81), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller System Address Decoder 0'
106	pci0:255:12:7(none82), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 System Address Decoder'
107	pci0:255:13:0(none83), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Unicast Register 0'
108	pci0:255:13:1(none84), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Unicast Register 0'
109	pci0:255:13:2(none85), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Unicast Register 0'
110	pci0:255:13:6(none86), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller System Address Decoder 1'
111	pci0:255:14:0(none87), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Processor Home Agent'
112	pci0:255:14:1(none88), class=dasp, vendor='Intel Corporation', device='Xeon E5/Core i7 Processor Home Agent Performance Monitoring'
113	pci0:255:15:0(none89), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller Registers'
114	pci0:255:15:1(none90), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller RAS Registers'
115	pci0:255:15:2(none91), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 0'
116	pci0:255:15:3(none92), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 1'
117	pci0:255:15:4(none93), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 2'

118	pci0:255:15:5(none94), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 3'
119	pci0:255:15:6(none95), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 4'
120	pci0:255:16:0(none96), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller Channel 0-3 Thermal Control 0'
121	pci0:255:16:1(none97), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller Channel 0-3 Thermal Control 1'
122	pci0:255:16:2(none98), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 0'
123	pci0:255:16:3(none99), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 1'
124	pci0:255:16:5(none100), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller Channel 0-3 Thermal Control 3'
125	pci0:255:16:6(none101), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 2'
126	pci0:255:16:7(none102), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 3'
127	pci0:255:17:0(none103), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 DDRIO'
128	pci0:255:19:0(none104), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 R2PCIe'
129	pci0:255:19:1(none105), class=dasp, vendor='Intel Corporation', device='Xeon E5/Core i7 Ring to PCI Express Performance Monitor'
130	pci0:255:19:4(none106), class=dasp, vendor='Intel Corporation', device='Xeon E5/Core i7 QuickPath Interconnect Agent Ring Registers'
131	pci0:255:19:5(none107), class=dasp, vendor='Intel Corporation', device='Xeon E5/Core i7 Ring to QuickPath Interconnect Link 0 Performance Monitor'
132	pci0:255:19:6(none108), class=base peripheral, vendor='Intel Corporation', device='Xeon E5/Core i7 Ring to QuickPath Interconnect Link 1 Performance Monitor'







## 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_pcidev=""
comconsole_port="1016"
comconsole_speed="9600"
console="vidconsole"
currdev="disk2p2:"
hint.acpi.0.oem="ALASKA"
hint.acpi.0.revision="2"
hint.acpi.0.rsdp="0x00f0450"
hint.acpi.0.rsdt="0x7de05028"
hint.acpi.0.xsdt="0x00000007de05080"
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"
loaderdev="disk2p2:"
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="04/25/2012"
smbios.bios.vendor="American Megatrends Inc."
smbios.bios.version="4.6.0007"
smbios.chassis.make="NEC"
smbios.chassis.serial="01"
smbios.chassis.tag="0000000000000000"
smbios.chassis.version="856-857460-002"
smbios.memory.enabled="16777216"
smbios.planar.make="GIGABYTE"
smbios.planar.product="GA-7PPSV-NJ "
smbios.planar.serial="0CM8U5500049"
smbios.planar.version="1.0B"
smbios.socket.enabled="2"
smbios.socket.populated="2"
smbios.system.make="NEC"
smbios.system.product="Express5800/R120d-1E [N8100-1845Y]"
smbios.system.serial="2800169"
smbios.system.uid="000a1e26-5f83-e111-8001-902b34ba0338"
smbios.system.version="FR1.2"
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: 348926
kern.maxproc: 21700
kern.maxfiles: 522019
kern.argmax: 262144
kern.securelevel: -1
kern.hostname: R120d-1E.bsdconsulting.co.jp
kern.hostid: 1295050128
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 = 1397880956, usec = 413593 } Sat Apr 19 13:15:56 2014
kern.domainname:
kern.osreldate: 1000704
kern.bootfile: /boot/kernel/kernel
kern.maxfilesperproc: 469809
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: 8306624512
kern.ipc.nmbclusters: 1013992
kern.ipc.nmbjumbop: 506996
kern.ipc.nmbjumbo9: 450663
kern.ipc.nmbjumbo16: 337996
kern.ipc.nmbufs: 6489555
kern.ipc.maxpipekva: 267272192
kern.ipc.pipekva: 20480
kern.ipc.pipefragretry: 0
kern.ipc.pipeallocfail: 0
kern.ipc.piperesizefail: 0
kern.ipc.piperesizeallowed: 1
kern.ipc.msgmax: 16384
kern.ipc.msgmni: 40
kern.ipc.msgmnb: 2048
kern.ipc.msgtql: 40
kern.ipc.msgssz: 8
kern.ipc.msgseg: 2048
kern.ipc.semni: 50
kern.ipc.semns: 340
kern.ipc.semnu: 150
kern.ipc.semmsl: 340
kern.ipc.semopm: 100
kern.ipc.semume: 50
kern.ipc.semusz: 632
kern.ipc.semvmx: 32767
kern.ipc.semaem: 16384
kern.ipc.shmmax: 536870912
kern.ipc.shmmin: 1
kern.ipc.shmni: 192
kern.ipc.shmsegs: 128
kern.ipc.shmall: 131072
kern.ipc.shm_use_phys: 0
kern.ipc.shm_allow_removed: 0
kern.ipc.soacceptqueue: 128
kern.ipc.numopensockets: 22
kern.ipc.maxsockets: 522020
kern.ipc.sendfile.readahead: 1
kern.dummy: 0
kern.ps_strings: 140737488351200
kern.usrstack: 140737488351232
kern.logsigexit: 1
kern.iov_max: 1024
kern.hostuuid: 000a1e26-58f3-e111-8001-902b34ba0338
kern.cam.sort_io_queues: 1
kern.cam.boot_delay: 0
kern.cam.num_doneqs: 3
kern.cam.dflags: 0
kern.cam.debug_delay: 0
kern.cam.pmp.retry_count: 1
kern.cam.pmp.default_timeout: 30
kern.cam.pmp.hide_special: 1
kern.cam.cam_srch_hi: 0
kern.cam.scsi_delay: 5000
kern.cam.cd.changer.min_busy_seconds: 5
kern.cam.cd.changer.max_busy_seconds: 15
kern.cam.cd.poll_period: 3
kern.cam.cd.retry_count: 4
kern.cam.cd.timeout: 30000
kern.cam.cd.0.minimum_cmd_size: 10
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
kern.cam.da.0.error_inject: 0
kern.cam.da.1.delete_method: NONE
kern.cam.da.1.delete_max: 65536
kern.cam.da.1.minimum_cmd_size: 10
kern.cam.da.1.sort_io_queue: -1
kern.cam.da.1.error_inject: 0
kern.cam.da.2.delete_method: NONE
kern.cam.da.2.delete_max: 65536
kern.cam.da.2.minimum_cmd_size: 10
kern.cam.da.2.sort_io_queue: -1
kern.cam.da.2.error_inject: 0
kern.cam.da.3.delete_method: NONE
kern.cam.da.3.delete_max: 65536
kern.cam.da.3.minimum_cmd_size: 10
kern.cam.da.3.sort_io_queue: -1
kern.cam.da.3.error_inject: 0
kern.cam.enc.emulate_array_devices: 1
kern.random.adaptors: yarrow,dummy
kern.random.active_adaptor: yarrow
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: da3 da2 da1 da0 cd0 mfid0
kern.geom.dev.delete_max_sectors: 262144
kern.geom.disk.mfid0.led:
kern.geom.disk.cd0.led:
kern.geom.disk.da0.led:
kern.geom.disk.da1.led:
kern.geom.disk.da2.led:
kern.geom.disk.da3.led:
kern.geom.transient_maps: 1269
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 da3 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.raid1e.rebuild_slab_size: 1048576
kern.geom.raid.raid1e.rebuild_fair_io: 20
kern.geom.raid.raid1e.rebuild_cluster_idle: 100
kern.geom.raid.raid1e.rebuild_meta_update: 1024
kern.geom.raid.raid1e.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: 667 0 2988 1360 9112262
kern.cp_times: 71 0 713 602 758871 50 0 181 3 759495 47 0 214 4 759464 53 0 163 1 759512 34 0 154 2 759539 39 0 142 49 759500 73 0 137 501 759018 44 0 226 37
759422 88 0 329 36 759276 63 0 253 42 759371 45 0 232 46 759406 60 0 244 37 759388
kern.console: ttyv0,/ttyv0,uart,
kern.consmute: 0
kern.consmgbuf_size: 8192
kern.constty_wakeups_per_second: 5
kern.openfiles: 71
kern.eventtimer.et.LAPIC.flags: 7
kern.eventtimer.et.LAPIC.frequency: 49880815
kern.eventtimer.et.LAPIC.quality: 600
kern.eventtimer.et.i8254.flags: 1
kern.eventtimer.et.i8254.frequency: 1193182
kern.eventtimer.et.i8254.quality: 100
kern.eventtimer.et.RTC.flags: 17
kern.eventtimer.et.RTC.frequency: 32768
kern.eventtimer.et.RTC.quality: 0
kern.eventtimer.et.HPET.flags: 3
kern.eventtimer.et.HPET.frequency: 14318180
kern.eventtimer.et.HPET.quality: 350
kern.eventtimer.et.HPET1.flags: 3
kern.eventtimer.et.HPET1.frequency: 14318180
kern.eventtimer.et.HPET1.quality: 340
kern.eventtimer.et.HPET2.flags: 3
kern.eventtimer.et.HPET2.frequency: 14318180
kern.eventtimer.et.HPET2.quality: 340
kern.eventtimer.et.HPET3.flags: 3
kern.eventtimer.et.HPET3.frequency: 14318180
kern.eventtimer.et.HPET3.quality: 340
kern.eventtimer.et.HPET4.flags: 3
kern.eventtimer.et.HPET4.frequency: 14318180
kern.eventtimer.et.HPET4.quality: 340
kern.eventtimer.et.HPET5.flags: 3
kern.eventtimer.et.HPET5.frequency: 14318180
kern.eventtimer.et.HPET5.quality: 340
kern.eventtimer.et.HPET6.flags: 3
kern.eventtimer.et.HPET6.frequency: 14318180
kern.eventtimer.et.HPET6.quality: 340
kern.eventtimer.et.HPET7.flags: 3
kern.eventtimer.et.HPET7.frequency: 14318180
kern.eventtimer.et.HPET7.quality: 340
kern.eventtimer.choice: LAPIC(600) HPET(350) HPET1(340) HPET2(340) HPET3(340) HPET4(340) HPET5(340) HPET6(340) HPET7(340) i8254(100) RTC(0)
kern.eventtimer.singlemul: 2
kern.eventtimer.idletick: 0
kern.eventtimer.timer: LAPIC
kern.eventtimer.periodic: 0
kern.kq_calloutmax: 4096
kern.stackprot: 7
kern.ps_arg_cache_limit: 256
kern.disallow_high_osrel: 0
kern.lastpid: 2126
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.confctx: 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

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kern.features.ufs\_acl: 1  
kern.features.ufs\_gjournal: 1  
kern.features.ufs\_quota: 1  
kern.features.ufs\_quota64: 1  
kern.pid\_max: 99999  
kern.fallback\_elf\_brand: -1  
kern.hwpmc.softevents: 16  
kern.kstack\_pages: 4  
kern.panic\_reboot\_wait\_time: 15  
kern.sync\_on\_panic: 0  
kern.shutdown.show\_busybufs: 0  
kern.shutdown.poweroff\_delay: 5000  
kern.shutdown.kproc\_shutdown\_wait: 60  
kern.shutdown.dumpdevname: mfid0p3  
kern.forcesigexit: 1  
kern.sigqueue.max\_pending\_per\_proc: 128  
kern.sigqueue.preallocate: 1024  
kern.sigqueue.overflow: 0  
kern.sigqueue.alloc\_fail: 0  
kern.sugid\_coredump: 0  
kern.capmode\_coredump: 0  
kern.coredump: 1  
kern.nodump\_coredump: 0  
kern.corefile: %N.core  
kern.fscale: 2048  
kern.timecounter.tc.i8254.mask: 65535  
kern.timecounter.tc.i8254.counter: 34354  
kern.timecounter.tc.i8254.frequency: 1193182  
kern.timecounter.tc.i8254.quality: 0  
kern.timecounter.tc.HPET.mask: 4294967295  
kern.timecounter.tc.HPET.counter: 1787871253  
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: 8875985  
kern.timecounter.tc.ACPI-fast.frequency: 3579545  
kern.timecounter.tc.ACPI-fast.quality: 900  
kern.timecounter.tc.TSC.mask: 4294967295  
kern.timecounter.tc.TSC.counter: 1458782780  
kern.timecounter.tc.TSC.frequency: 1995232360  
kern.timecounter.tc.TSC.quality: 1000  
kern.timecounter.stepwarnings: 0  
kern.timecounter.alloweddeviation: 5  
kern.timecounter.hardware: TSC  
kern.timecounter.choice: TSC(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: 11  
kern.devstat.generation: 211  
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: 105068  
kern.nswbuf: 256  
kern.msgbufsize: 98304  
kern.maxswzone: 0  
kern.maxbcache: 0  
kern.bio\_transient\_maxcnt: 1024  
kern.maxtsiz: 134217728  
kern.dfldsiz: 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: 11  
kern.smp.maxcpus: 64  
kern.smp.active: 1  
kern.smp.disabled: 0

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kern.smp.cpus: 12
kern.smp.topology: 0
kern.smp.forward_signal_enabled: 1
kern.tty_inq_flush_secure: 1
kern.tty_nin: 109
kern.tty_nout: 6901
kern.filedelay: 30
kern.dirdelay: 29
kern.metadelat: 28
kern.minvnodes: 87231
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: 21)
Virtual Memory: (Total: 484176K Active: 461152K)
Real Memory: (Total: 133120K Active: 26604K)
Shared Virtual Memory: (Total: 16796K Active: 5796K)
Shared Real Memory: (Total: 5848K Active: 5356K)
Free Memory: 15987548K
vm.loadavg: { 0.08 0.05 0.00 }
vm.v_free_min: 25609
vm.v_free_target: 86443
vm.v_free_reserved: 5331
vm.v_inactive_target: 129664
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: 16613249024
vm.kmem_size_min: 0
vm.kmem_size_max: 1319413950874
vm.kmem_size_scale: 1
vm.kmem_map_size: 30035968
vm.kmem_map_free: 16583213056
vm.swap_total: 4160712704
vm.swap_reserved: 255090688
vm.overcommit: 0
vm.swap_async_max: 4
vm.dmmx: 32
vm.nswapdev: 1
vm.zone_count: 100
vm.zone_warnings: 1
vm.kstack_cache_size: 128
vm.kstacks: 154
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: 15470
vm.stats.sys.v_swtrch: 1021875
vm.stats.sys.v_trap: 174622
vm.stats.sys.v_syscall: 252389
vm.stats.sys.v_intr: 103635
vm.stats.sys.v_soft: 139967
vm.stats.vm.v_vm_faults: 132968
vm.stats.vm.v_io_faults: 826
vm.stats.vm.v_cow_faults: 57504
vm.stats.vm.v_cow_optim: 359
vm.stats.vm.v_zfod: 54497
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: 858
vm.stats.vm.v_vnodeout: 0
vm.stats.vm.v_vnodepgsin: 5593
vm.stats.vm.v_vnodepgsout: 0
vm.stats.vm.v_intrans: 0
vm.stats.vm.v_reactivated: 0
vm.stats.vm.v_pdwakeups: 0
vm.stats.vm.v_pdpages: 19751
vm.stats.vm.v_tcached: 1696
vm.stats.vm.v_dfree: 0
vm.stats.vm.v_pfree: 81323
vm.stats.vm.v_tfree: 340629
vm.stats.vm.v_page_size: 4096
vm.stats.vm.v_page_count: 4055969
vm.stats.vm.v_free_reserved: 5331
vm.stats.vm.v_free_target: 86443
vm.stats.vm.v_free_min: 25609
vm.stats.vm.v_free_count: 3995191
vm.stats.vm.v_wire_count: 50722
vm.stats.vm.v_active_count: 2540
vm.stats.vm.v_inactive_target: 129664
vm.stats.vm.v_inactive_count: 5728
vm.stats.vm.v_cache_count: 1696
vm.stats.vm.v_cache_min: 0
vm.stats.vm.v_cache_max: 0
vm.stats.vm.v_pageout_free_min: 34
vm.stats.vm.v_interrupt_free_min: 2
vm.stats.vm.v_forks: 1717
vm.stats.vm.v_vforks: 393
vm.stats.vm.v_rforks: 0
vm.stats.vm.v_kthreads: 16
vm.stats.vm.v_forkpages: 62451
vm.stats.vm.v_vforkpages: 13921
vm.stats.vm.v_rforkpages: 0
vm.stats.vm.v_kthreadpages: 0
vm.stats.misc.zero_page_count: 40

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vm.stats.misc.cnt_prezero: 0
vm.stats.object.collapses: 5276
vm.stats.object.bypasses: 657
vm.old_mlock: 0
vm.old_msync: 0
vm.boot_pages: 64
vm.tryrelock_restart: 0
vm.pageout_wakeup_thresh: 28160
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: 1339155
vm.phys_free:
DOMAIN 0:
FREE LIST 0:
FREE LIST 1:
vm.phys_segs:
SEGMENT 0:
start: 0x10000
end: 0x95000
domain: 0
free list: 0xffffffff814a3cb8
SEGMENT 1:
start: 0x100000
end: 0x200000
domain: 0
free list: 0xffffffff814a3cb8
SEGMENT 2:
start: 0x1841000
end: 0x7cfd4000
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: 7563
vm.reserv.partpopq:
-1: 156892K, 87
vm.reserv.reclaimed: 0
vm.idlezero_enable: 0
vm.pmap.pat_works: 1
vm.pmap.pg_ps_enabled: 1
vm.pmap.pcid_enabled: 0
vm.pmap.invpcid_works: 0
vm.pmap.pcid_save_cnt: 0
vm.pmap.pde.demotions: 271
vm.pmap.pde.mappings: 0
vm.pmap.pde.p_failures: 49
vm.pmap.pde.promotions: 422
vm.pmap.pdpe.demotions: 3
vm.kvm_size: 2199023251456
vm.kvm_free: 2180165660672
vfs.ufs.dirhash_minsize: 2560
vfs.ufs.dirhash_maxmem: 26890240
vfs.ufs.dirhash_mem: 52681
vfs.ufs.dirhash_dochck: 0
vfs.ufs.dirhash_lowmemcount: 0
vfs.ufs.dirhash_reclaimage: 60
vfs.ufs.rename_restarts: 0
vfs.nfs.downdelayinitial: 12
vfs.nfs.downdelayinterval: 30
vfs.nfs.bufpackets: 4
vfs.nfs.reconnects: 0
vfs.nfs.nfs3_jukebox_delay: 10
vfs.nfs.skip_wcc_data_onerr: 1
vfs.nfs.realign_test: 0
vfs.nfs.realign_count: 0
vfs.nfs.callback_addr:
vfs.nfs.debuglevel: 0
vfs.nfs.access_cache_timeout: 60
vfs.nfs.prime_access_cache: 0
vfs.nfs.commit_on_close: 0
vfs.nfs.clean_pages_on_close: 1
vfs.nfs.nfs_directio_enable: 0
vfs.nfs.nfs_keep_dirty_on_error: 0
vfs.nfs.nfs_directio_allow_mmap: 1
vfs.nfs.nfs_ip_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: 138
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.mirrormnt: 1
vfs.nfsd.commit_blks: 0
vfs.nfsd.commit_miss: 0
vfs.nfsd.issue_delegations: 0

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vfs.nfsd.enable\_locallocks: 0  
vfs.nfsd.tcphighwater: 0  
vfs.nfsd.udphighwater: 500  
vfs.nfsd.tpcachetimeo: 43200  
vfs.nfsd.cachetcp: 1  
vfs.nfsd.minthreads: 1  
vfs.nfsd.maxthreads: 1  
vfs.nfsd.threads: 0  
vfs.nfsd.request\_space\_used: 0  
vfs.nfsd.request\_space\_used\_highest: 0  
vfs.nfsd.request\_space\_high: 47185920  
vfs.nfsd.request\_space\_low: 31457280  
vfs.nfsd.request\_space\_throttled: 0  
vfs.nfsd.request\_space\_throttle\_count: 0  
vfs.nfsd.fha.enable: 1  
vfs.nfsd.fha.bin\_shift: 22  
vfs.nfsd.fha.max\_nfsds\_per\_fh: 8  
vfs.nfsd.fha.max\_reqs\_per\_nfsd: 0  
vfs.nfsd.fha.fhe\_stats: No file handle entries.  
vfs.pfs.trace: 0  
vfs.pfs.vncache.entries: 0  
vfs.pfs.vncache.maxentries: 0  
vfs.pfs.vncache.hits: 0  
vfs.pfs.vncache.misses: 0  
vfs.acl\_nfs4\_old\_semantics: 0  
vfs.vmodirenable: 1  
vfs.runningbufspace: 0  
vfs.bufspace: 45498368  
vfs.unmapped\_bufspace: 37945344  
vfs.maxbufspace: 1721434112  
vfs.bufmalloccspace: 0  
vfs.maxmalloccbufspace: 86038937  
vfs.lobufspace: 1720713216  
vfs.hibufspace: 1720778752  
vfs.bufreuscnt: 1521  
vfs.buffreekvacnt: 132  
vfs.bufdefragcnt: 0  
vfs.lorunningspace: 11206656  
vfs.hirunningspace: 16777216  
vfs.dirtybufferflushes: 0  
vfs.bdwriteskip: 0  
vfs.altbufferflushes: 0  
vfs.recursiveflushes: 372  
vfs.numdirtybuffers: 451  
vfs.lodirtybuffers: 13143  
vfs.hidirtybuffers: 26287  
vfs.dirtybufthresh: 23658  
vfs.numfreebuffers: 104615  
vfs.lofreebuffers: 5842  
vfs.hifreebuffers: 11684  
vfs.getnewbufcalls: 1598  
vfs.getnewbufrestarts: 0  
vfs.mappingrestarts: 0  
vfs.flushbufqtarget: 100  
vfs.notbufdflushes: 0  
vfs.barrierwrites: 4  
vfs.unmapped\_buf\_allowed: 1  
vfs.flushwithdeps: 0  
vfs.ncnegfactor: 16  
vfs.ncsizefactor: 2  
vfs.cache.numneg: 41  
vfs.cache.numcache: 939  
vfs.cache.numcalls: 74437  
vfs.cache.dothis: 1164  
vfs.cache.dotdothis: 31  
vfs.cache.numchecks: 70463  
vfs.cache.nummiss: 2742  
vfs.cache.nummisszap: 43  
vfs.cache.numposzaps: 141  
vfs.cache.numposhits: 59611  
vfs.cache.numnegzaps: 447  
vfs.cache.numneghits: 10257  
vfs.cache.numupgrades: 4  
vfs.cache.numfullpathcalls: 59  
vfs.cache.numfullpathfail1: 0  
vfs.cache.numfullpathfail2: 0  
vfs.cache.numfullpathfail4: 0  
vfs.cache.numfullpathfound: 59  
vfs.write\_behind: 1  
vfs.read\_max: 64  
vfs.read\_min: 1  
vfs.tyenumhash: 1  
vfs.lookup\_shared: 1  
vfs.usermount: 0  
vfs.numnodes: 1318  
vfs.wantfreevnodes: 87231  
vfs.freevnodes: 29  
vfs.vlru\_allow\_cache\_src: 0  
vfs.reassignbufcalls: 2749  
vfs.timestamp\_precision: 0  
vfs.worklist\_len: 403  
vfs.ffs.doasyncfree: 1  
vfs.ffs.dorealloclbks: 1  
vfs.ffs.compute\_summary\_at\_mount: 0  
net.local.stream.sendspace: 8192  
net.local.stream.recvspace: 8192  
net.local.dgram.maxdgram: 2048  
net.local.dgram.recvspace: 4096  
net.local.seqpacket.maxseqpacket: 8192  
net.local.seqpacket.recvspace: 8192  
net.local.inflight: 0  
net.local.deferred: 0

net.local.recycled: 0  
net.local.taskcount: 0  
net.inet.ip.portrange.lowfirst: 1023  
net.inet.ip.portrange.lowlast: 600  
net.inet.ip.portrange.first: 10000  
net.inet.ip.portrange.last: 65535  
net.inet.ip.portrange.hifirst: 49152  
net.inet.ip.portrange.hilast: 65535  
net.inet.ip.portrange.reservedhigh: 1023  
net.inet.ip.portrange.reservedlow: 0  
net.inet.ip.portrange.randomized: 1  
net.inet.ip.portrange.randomcps: 10  
net.inet.ip.portrange.randomtime: 45  
net.inet.ip.forwarding: 0  
net.inet.ip.redirect: 1  
net.inet.ip.ttl: 64  
net.inet.ip.rtxpire: 3600  
net.inet.ip.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.fragpackets: 0  
net.inet.ip.maxfragsperpacket: 16  
net.inet.ip.maxfragpackets: 31687  
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:  
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.vlenable: 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.keepidle: 7200000  
net.inet.tcp.keepintvl: 75000  
net.inet.tcp.sendspace: 32768  
net.inet.tcp.recvspace: 65536  
net.inet.tcp.keepinit: 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\_initcwnd10: 1  
net.inet.tcp.rfc3465: 1  
net.inet.tcp.abc\_l\_var: 2  
net.inet.tcp.ecn.enable: 0  
net.inet.tcp.ecn.maxretries: 1  
net.inet.tcp.insecure\_rst: 0  
net.inet.tcp.recvbuf\_auto: 1  
net.inet.tcp.recvbuf\_inc: 16384  
net.inet.tcp.recvbuf\_max: 2097152  
net.inet.tcp.path\_mtu\_discovery: 1  
net.inet.tcp.tso: 1  
net.inet.tcp.sendbuf\_auto: 1  
net.inet.tcp.sendbuf\_inc: 8192  
net.inet.tcp.sendbuf\_max: 2097152  
net.inet.tcp.reass.maxsegments: 63400  
net.inet.tcp.reass.cusegments: 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\_keeplive: 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.maxtcpw: 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: 126749  
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  
net.inet.sctp.use\_dccecn: 1  
net.inet.sctp.blackhole: 0  
net.inet.raw.maxdgram: 9216  
net.inet.raw.recvspace: 9216

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net.inet.accf.unloadable: 0
net.link.generic.system.ifcount: 5
net.link.ether.inet.max_age: 1200
net.link.ether.inet.maxtries: 5
net.link.ether.inet.useloopback: 1
net.link.ether.inet.proxyall: 0
net.link.ether.inet.wait: 20
net.link.ether.inet.maxhold: 1
net.link.ether.inet.log_arp_wrong_iface: 1
net.link.ether.inet.log_arp_movements: 1
net.link.ether.inet.log_arp_permanent_modify: 1
net.link.ether.inet.allow_multicast: 0
net.link.ether.inet.max_log_per_second: 1
net.link.vlan.soft_pad: 0
net.link.gif.max_nesting: 1
net.link.gif.parallel_tunnels: 0
net.link.ifqmaxlen: 50
net.link.log_link_state_change: 1
net.link.tun.devfs_cloning: 1
net.inet6.ip6.forwarding: 0
net.inet6.ip6.redirect: 1
net.inet6.ip6.hlim: 64
net.inet6.ip6.maxfragpackets: 253498
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.rtmxcache: 128
net.inet6.ip6.use_tempaddr: 0
net.inet6.ip6.templtime: 86400
net.inet6.ip6.templtime: 604800
net.inet6.ip6.auto_linklocal: 1
net.inet6.ip6.prefer_tempaddr: 0
net.inet6.ip6.use_defaultzone: 0
net.inet6.ip6.maxfrags: 253498
net.inet6.ip6.mcast_pmtu: 0
net.inet6.ip6.no_radr: 0
net.inet6.ip6.norbit_raif: 0
net.inet6.ip6.rfc6204w3: 0
net.inet6.ip6.mcast_maxgrpsrc: 512
net.inet6.ip6.mcast_maxsocksrc: 128
net.inet6.ip6.mcast_loop: 1
net.inet6.ip6.deembed_scopeid: 1
net.inet6.icmp6.rediraccept: 1
net.inet6.icmp6.redirtimeout: 600
net.inet6.icmp6.nd6_prune: 1
net.inet6.icmp6.nd6_delay: 5
net.inet6.icmp6.nd6_umaxtries: 3
net.inet6.icmp6.nd6_mmaxtries: 3
net.inet6.icmp6.nd6_useloopback: 1
net.inet6.icmp6.nodeinfo: 3
net.inet6.icmp6.errppslimit: 100
net.inet6.icmp6.nd6_maxnudhint: 0
net.inet6.icmp6.nd6_debug: 0
net.inet6.icmp6.nd6_maxqueuelen: 1
net.inet6.icmp6.nodeinfo_oldmcprefix: 1
net.inet6.icmp6.nd6_onlink_ns_rfc4861: 0
net.inet6.mld.gsrdelay: 10
net.inet6.mld.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

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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.polled: 0
debug.acpi.ec.timeout: 750
debug.acpi.batt.batt_sleep_ms: 0
debug.acpi.resume_beeper: 0
debug.ipw: 0
debug.iwi: 0
debug.mddebug: 0
debug.wpi: 0
debug.elf64_legacy_core_dump: 0
debug.elf32_legacy_core_dump: 0
debug.boothowto: 0
debug.bootverbose: 0
debug.cpubfreq.lowest: 0
debug.cpubfreq.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: 41
debug.numcache: 939
debug.numcachehv: 99
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: 593
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: 101
debug.softdep.total.inodep: 603
debug.softdep.total.bmsafemap: 518
debug.softdep.total.newblk: 1127
debug.softdep.total.alloaddir: 943
debug.softdep.total.indirdep: 2
debug.softdep.total.alloaddir: 184
debug.softdep.total.freefrag: 4
debug.softdep.total.freeblks: 398
debug.softdep.total.freefile: 46
debug.softdep.total.diradd: 572
debug.softdep.total.mkdir: 110
debug.softdep.total.dirrem: 109
debug.softdep.total.newdirblk: 55
debug.softdep.total.freework: 398
debug.softdep.total.freedep: 0
debug.softdep.total.jaddref: 682
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debug.softdep.total.jremref: 121  
debug.softdep.total.jmhref: 0  
debug.softdep.total.jnewblk: 1127  
debug.softdep.total.jfreeblk: 0  
debug.softdep.total.jfreefrag: 4  
debug.softdep.total.jseg: 34  
debug.softdep.total.jsegdep: 1934  
debug.softdep.total.sbdep: 37  
debug.softdep.total.jtrunc: 0  
debug.softdep.total.jfsync: 0  
debug.softdep.highuse.pagedep: 45  
debug.softdep.highuse.inodep: 405  
debug.softdep.highuse.bmsafemap: 5  
debug.softdep.highuse.newblk: 1  
debug.softdep.highuse.allocdirect: 462  
debug.softdep.highuse.indirdep: 2  
debug.softdep.highuse.allocindir: 184  
debug.softdep.highuse.freefrag: 2  
debug.softdep.highuse.freeblks: 4  
debug.softdep.highuse.freefile: 3  
debug.softdep.highuse.diradd: 402  
debug.softdep.highuse.mkdir: 82  
debug.softdep.highuse.dirrem: 9  
debug.softdep.highuse.newdirblk: 41  
debug.softdep.highuse.freework: 4  
debug.softdep.highuse.freedep: 0  
debug.softdep.highuse.jaddrf: 395  
debug.softdep.highuse.jremref: 8  
debug.softdep.highuse.jmhref: 0  
debug.softdep.highuse.jnewblk: 343  
debug.softdep.highuse.jfreeblk: 0  
debug.softdep.highuse.jfreefrag: 1  
debug.softdep.highuse.jseg: 6  
debug.softdep.highuse.jsegdep: 1059  
debug.softdep.highuse.sbdep: 1  
debug.softdep.highuse.jtrunc: 0  
debug.softdep.highuse.jfsync: 0  
debug.softdep.current.pagedep: 45  
debug.softdep.current.inodep: 405  
debug.softdep.current.bmsafemap: 2  
debug.softdep.current.newblk: 0  
debug.softdep.current.allocdirect: 461  
debug.softdep.current.indirdep: 2  
debug.softdep.current.allocindir: 184  
debug.softdep.current.freefrag: 2  
debug.softdep.current.freeblks: 1  
debug.softdep.current.freefile: 0  
debug.softdep.current.diradd: 402  
debug.softdep.current.mkdir: 82  
debug.softdep.current.dirrem: 8  
debug.softdep.current.newdirblk: 41  
debug.softdep.current.freework: 1  
debug.softdep.current.freedep: 0  
debug.softdep.current.jaddrf: 1  
debug.softdep.current.jremref: 0  
debug.softdep.current.jmhref: 0  
debug.softdep.current.jnewblk: 4  
debug.softdep.current.jfreeblk: 0  
debug.softdep.current.jfreefrag: 0  
debug.softdep.current.jseg: 4  
debug.softdep.current.jsegdep: 1057  
debug.softdep.current.sbdep: 0  
debug.softdep.current.jtrunc: 0  
debug.softdep.current.jfsync: 0  
debug.softdep.write.pagedep: 55  
debug.softdep.write.inodep: 308  
debug.softdep.write.bmsafemap: 39  
debug.softdep.write.newblk: 0  
debug.softdep.write.allocdirect: 106  
debug.softdep.write.indirdep: 0  
debug.softdep.write.allocindir: 180  
debug.softdep.write.freefrag: 0  
debug.softdep.write.freeblks: 5  
debug.softdep.write.freefile: 0  
debug.softdep.write.diradd: 0  
debug.softdep.write.mkdir: 0  
debug.softdep.write.dirrem: 0  
debug.softdep.write.newdirblk: 0  
debug.softdep.write.freework: 0  
debug.softdep.write.freedep: 0  
debug.softdep.write.jaddrf: 0  
debug.softdep.write.jremref: 0  
debug.softdep.write.jmhref: 0  
debug.softdep.write.jnewblk: 0  
debug.softdep.write.jfreeblk: 0  
debug.softdep.write.jfreefrag: 0  
debug.softdep.write.jseg: 34  
debug.softdep.write.jsegdep: 2  
debug.softdep.write.sbdep: 37  
debug.softdep.write.jtrunc: 0  
debug.softdep.write.jfsync: 0  
debug.softdep.max\_softdeps: 1395704  
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

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debug.softdep.inode_bitmap: 16
debug.softdep.direct_blk_ptrs: 12
debug.softdep.dir_entry: 5
debug.softdep.jaddrf_rollback: 0
debug.softdep.jnewblk_rollback: 0
debug.softdep.journal_low: 0
debug.softdep.journal_min: 0
debug.softdep.journal_wait: 2
debug.softdep.jwait_filepage: 0
debug.softdep.jwait_freblks: 0
debug.softdep.jwait_inode: 2
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
debug.softdep.flushcache: 0
debug.bigcgs: 0
debug.dobkgdwrite: 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_rom: 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 E5-2430L 0 @ 2.00GHz
hw.ncpu: 12
hw.byteorder: 1234
hw.physmem: 17105518592
hw.usermem: 16897736704
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.amical: 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
```

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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
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.reallocBars: 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.clearBars: 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: FEQ:16000,0.2500,62,0.2500:-9,9,1.0:44100,48000,88200,96000,176400,192000
hw.snd.feeder_eq_exact_rate: 0
hw.snd.feeder_rate_presets: 100:8:0.85 100:36:0.92 100:164:0.97
hw.snd.feeder_rate_polyphase_max: 183040
hw.snd.feeder_rate_min: 1
hw.snd.feeder_rate_max: 2016000
hw.snd.feeder_rate_round: 25
hw.snd.feeder_rate_quality: 1
hw.snd.vpc_mixer_bypass: 1
hw.snd.verbose: 0
hw.snd.default_auto: -1
hw.snd.version: 2009061500/amd64
hw.snd.default_unit: -1
hw.snd.maxautovchans: 16
hw.midi.stat.verbose: 0
hw.midi.debug: 0
hw.midi.dumpraw: 0
hw.midi.instrhoff: 0
hw.midi.seq.debug: 0
hw.syscons.saver.keyonly: 1
hw.syscons.bell: 1
hw.syscons.kbd_reboot: 1
hw.syscons.kbd_debug: 1
hw.syscons.sc_no_suspend_vtswitch: 0
hw.braken_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

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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.txerate: 0
hw.wi.debug: 0
hw.xe.debug: 0
hw.intr_storm_threshold: 1000
hw.availpages: 4176152
hw.pagesizes: 4096 2097152 0
hw.bus.devctl_disable: 0
hw.bus.devctl_queue: 1000
hw.clockrate: 1995
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: 1595
hw.bsdma.zone0.total_bpages: 1595
hw.bsdma.zone0.free_bpages: 1593
hw.bsdma.zone0.reserved_bpages: 0
hw.bsdma.zone0.active_bpages: 2
hw.bsdma.zone0.total_bounced: 16868
hw.bsdma.zone0.total_deferred: 0
hw.bsdma.zone0.lowaddr: 0xffffffff
hw.bsdma.zone0.alignment: 4096
hw.apic.enable_extint: 0
hw.mca.enabled: 1
hw.mca.amd10h_L1TP: 1
hw.mca.erratum383: 0
hw.mca.count: 0
hw.mca.interval: 3600
hw.mca.force_scan: 0
hw.mca.cmc_throttle: 60
hw.acpi.supported_sleep_state: S1 S4 S5
hw.acpi.power_button_state: S5
hw.acpi.sleep_button_state: S1
hw.acpi.lid_switch_state: NONE
hw.acpi.standby_state: S1
hw.acpi.suspend_state: NONE
hw.acpi.sleep_delay: 1
hw.acpi.s4bios: 0
hw.acpi.verbose: 0
hw.acpi.disable_on_reboot: 0
hw.acpi.handle_reboot: 1
hw.acpi.reset_video: 0
hw.acpi.cpu.cx_lowest: C1
machdep.acpi_timer_freq: 3579545
machdep.enable_panic_key: 0
machdep.rtc_save_period: 1800
machdep.adjkerntz: 0
machdep.wall_cmos_clock: 0
machdep.disable_rtc_set: 0
machdep.disable_mrrs: 0
machdep.idle_mwait: 1
machdep.idle_available: spin, mwait, hlt, acpi
machdep.idle: acpi
machdep.nkpt: 22
machdep.max_ldt_segment: 1024
machdep.kdb_on_nmi: 1
machdep.panic_on_nmi: 1
machdep.prot_fault_translation: 0

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machdep.uprintf_signal: 0
machdep.acpi_root: 984144
machdep.i8254_freq: 1193182
machdep.disable_tsc: 0
machdep.disable_tsc_calibration: 0
machdep.tsc_freq: 1995232360
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
p1003_1b.synchronized_io: 0
p1003_1b.timers: 200112
p1003_1b.aio_listio_max: -1
p1003_1b.aio_max: -1
p1003_1b.aio_prio_delta_max: -1
p1003_1b.delaytimer_max: 2147483647
p1003_1b.mq_open_max: 0
p1003_1b.pagesize: 4096
p1003_1b.rtsig_max: 62
p1003_1b.sem_nsems_max: 0
p1003_1b.sem_value_max: 0
p1003_1b.sigqueue_max: 128
p1003_1b.timer_max: 32
compat.ia32.maxdsiz: 536870912
compat.ia32.maxssiz: 67108864
compat.ia32.maxvmem: 0
security.jail.jailed: 0
security.jail.vnet: 0
security.jail.jail_max_af_ips: 255
security.jail.set_hostname_allowed: 1
security.jail.socket_unixiproute_only: 1
security.jail.sysvipc_allowed: 0
security.jail.allow_raw_sockets: 0
security.jail.chflags_allowed: 0
security.jail.mount_allowed: 0
security.jail.mount_devfs_allowed: 0
security.jail.mount_nullfs_allowed: 0
security.jail.mount_procfs_allowed: 0
security.jail.mount_tmpfs_allowed: 0
security.jail.mount_zfs_allowed: 0
security.jail.enforce_stafs: 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_stafs: 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

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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 05CE
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
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=INT3F00 _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_.PCI1.IOH1
dev.acpi_sysresource.7.%pnpinfo: _HID=PNP0C01 _UID=0
dev.acpi_sysresource.7.%parent: acpi0
dev.acpi_sysresource.8.%desc: System Resource
dev.acpi_sysresource.8.%driver: acpi_sysresource
dev.acpi_sysresource.8.%location: handle=_SB_.PCI1.VTDR
dev.acpi_sysresource.8.%pnpinfo: _HID=PNP0C02 _UID=5
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_.RMEM
dev.acpi_sysresource.9.%pnpinfo: _HID=PNP0C01 _UID=1
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=VOMSC
dev.acpi_sysresource.10.%pnpinfo: _HID=PNP0C02 _UID=3601
dev.acpi_sysresource.10.%parent: acpi0
dev.cpu.0.%desc: ACPI CPU
dev.cpu.0.%driver: cpu
dev.cpu.0.%location: handle=_SB_.SCK0.CP00
dev.cpu.0.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.0.%parent: acpi0
dev.cpu.0.freq: 900
dev.cpu.0.freq_levels: 2001/60000 2000/60000 1900/56352 1800/52775 1700/49270 1600/45836 1500/42471 1400/39184 1300/35957 1200/32798 1050/28698 900/24598
750/20498 600/16399 450/12299 300/8199 150/4099
dev.cpu.0.cx_supported: C1/1/3 C2/2/93
dev.cpu.0.cx_lowest: C1
dev.cpu.0.cx_usage: 100.00% 0.00% last 13693us
dev.cpu.1.%desc: ACPI CPU

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dev.cpu.1.%driver: cpu
dev.cpu.1.%location: handle=_SB_.SCK0.CP02
dev.cpu.1.%pnpinf: _HID=ACPI0007 _UID=0
dev.cpu.1.%parent: acpi0
dev.cpu.1.cx_supported: C1/1/3 C2/2/93
dev.cpu.1.cx_lowest: C1
dev.cpu.1.cx_usage: 100.00% 0.00% last 40098us
dev.cpu.2.%desc: ACPI CPU
dev.cpu.2.%driver: cpu
dev.cpu.2.%location: handle=_SB_.SCK0.CP04
dev.cpu.2.%pnpinf: _HID=ACPI0007 _UID=0
dev.cpu.2.%parent: acpi0
dev.cpu.2.cx_supported: C1/1/3 C2/2/93
dev.cpu.2.cx_lowest: C1
dev.cpu.2.cx_usage: 100.00% 0.00% last 40096us
dev.cpu.3.%desc: ACPI CPU
dev.cpu.3.%driver: cpu
dev.cpu.3.%location: handle=_SB_.SCK0.CP06
dev.cpu.3.%pnpinf: _HID=ACPI0007 _UID=0
dev.cpu.3.%parent: acpi0
dev.cpu.3.cx_supported: C1/1/3 C2/2/93
dev.cpu.3.cx_lowest: C1
dev.cpu.3.cx_usage: 100.00% 0.00% last 40091us
dev.cpu.4.%desc: ACPI CPU
dev.cpu.4.%driver: cpu
dev.cpu.4.%location: handle=_SB_.SCK0.CP08
dev.cpu.4.%pnpinf: _HID=ACPI0007 _UID=0
dev.cpu.4.%parent: acpi0
dev.cpu.4.cx_supported: C1/1/3 C2/2/93
dev.cpu.4.cx_lowest: C1
dev.cpu.4.cx_usage: 100.00% 0.00% last 40080us
dev.cpu.5.%desc: ACPI CPU
dev.cpu.5.%driver: cpu
dev.cpu.5.%location: handle=_SB_.SCK0.CP0A
dev.cpu.5.%pnpinf: _HID=ACPI0007 _UID=0
dev.cpu.5.%parent: acpi0
dev.cpu.5.cx_supported: C1/1/3 C2/2/93
dev.cpu.5.cx_lowest: C1
dev.cpu.5.cx_usage: 100.00% 0.00% last 540us
dev.cpu.6.%desc: ACPI CPU
dev.cpu.6.%driver: cpu
dev.cpu.6.%location: handle=_SB_.SCK1.CP10
dev.cpu.6.%pnpinf: _HID=ACPI0007 _UID=0
dev.cpu.6.%parent: acpi0
dev.cpu.6.cx_supported: C1/1/3 C2/2/93
dev.cpu.6.cx_lowest: C1
dev.cpu.6.cx_usage: 100.00% 0.00% last 37374us
dev.cpu.7.%desc: ACPI CPU
dev.cpu.7.%driver: cpu
dev.cpu.7.%location: handle=_SB_.SCK1.CP12
dev.cpu.7.%pnpinf: _HID=ACPI0007 _UID=0
dev.cpu.7.%parent: acpi0
dev.cpu.7.cx_supported: C1/1/3 C2/2/93
dev.cpu.7.cx_lowest: C1
dev.cpu.7.cx_usage: 100.00% 0.00% last 31486us
dev.cpu.8.%desc: ACPI CPU
dev.cpu.8.%driver: cpu
dev.cpu.8.%location: handle=_SB_.SCK1.CP14
dev.cpu.8.%pnpinf: _HID=ACPI0007 _UID=0
dev.cpu.8.%parent: acpi0
dev.cpu.8.cx_supported: C1/1/3 C2/2/93
dev.cpu.8.cx_lowest: C1
dev.cpu.8.cx_usage: 100.00% 0.00% last 35052us
dev.cpu.9.%desc: ACPI CPU
dev.cpu.9.%driver: cpu
dev.cpu.9.%location: handle=_SB_.SCK1.CP16
dev.cpu.9.%pnpinf: _HID=ACPI0007 _UID=0
dev.cpu.9.%parent: acpi0
dev.cpu.9.cx_supported: C1/1/3 C2/2/93
dev.cpu.9.cx_lowest: C1
dev.cpu.9.cx_usage: 100.00% 0.00% last 40059us
dev.cpu.10.%desc: ACPI CPU
dev.cpu.10.%driver: cpu
dev.cpu.10.%location: handle=_SB_.SCK1.CP18
dev.cpu.10.%pnpinf: _HID=ACPI0007 _UID=0
dev.cpu.10.%parent: acpi0
dev.cpu.10.cx_supported: C1/1/3 C2/2/93
dev.cpu.10.cx_lowest: C1
dev.cpu.10.cx_usage: 100.00% 0.00% last 29882us
dev.cpu.11.%desc: ACPI CPU
dev.cpu.11.%driver: cpu
dev.cpu.11.%location: handle=_SB_.SCK1.CP1A
dev.cpu.11.%pnpinf: _HID=ACPI0007 _UID=0
dev.cpu.11.%parent: acpi0
dev.cpu.11.cx_supported: C1/1/3 C2/2/93
dev.cpu.11.cx_lowest: C1
dev.cpu.11.cx_usage: 100.00% 0.00% last 30960us
dev.attimer.0.%desc: AT timer
dev.attimer.0.%driver: attimer
dev.attimer.0.%location: handle=_SB_.PCI0.SBRG.TMR_
dev.attimer.0.%pnpinf: _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.%pnpinf: _HID=PNP0B00 _UID=0
dev.atrtc.0.%parent: acpi0
dev.hpet.0.%desc: High Precision Event Timer
dev.hpet.0.%driver: hpet
dev.hpet.0.%location: handle=_SB_.PCI0.HPET
dev.hpet.0.%pnpinf: _HID=PNP0103 _UID=0
dev.hpet.0.%parent: acpi0

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dev.acpi_timer.0.%desc: 24-bit timer at 3.579545MHz
dev.acpi_timer.0.%driver: acpi_timer
dev.acpi_timer.0.%location: unknown
dev.acpi_timer.0.%pnpinfo: unknown
dev.acpi_timer.0.%parent: acpi0
dev.pci_link.0.%desc: ACPI PCI Link LNKA
dev.pci_link.0.%driver: pci_link
dev.pci_link.0.%location: handle=\_SB_.LNKA
dev.pci_link.0.%pnpinfo: _HID=PNP0C0F _UID=1
dev.pci_link.0.%parent: acpi0
dev.pci_link.1.%desc: ACPI PCI Link LNKB
dev.pci_link.1.%driver: pci_link
dev.pci_link.1.%location: handle=\_SB_.LNKB
dev.pci_link.1.%pnpinfo: _HID=PNP0C0F _UID=2
dev.pci_link.1.%parent: acpi0
dev.pci_link.2.%desc: ACPI PCI Link LNKC
dev.pci_link.2.%driver: pci_link
dev.pci_link.2.%location: handle=\_SB_.LNKC
dev.pci_link.2.%pnpinfo: _HID=PNP0C0F _UID=3
dev.pci_link.2.%parent: acpi0
dev.pci_link.3.%desc: ACPI PCI Link LNKD
dev.pci_link.3.%driver: pci_link
dev.pci_link.3.%location: handle=\_SB_.LNKD
dev.pci_link.3.%pnpinfo: _HID=PNP0C0F _UID=4
dev.pci_link.3.%parent: acpi0
dev.pci_link.4.%desc: ACPI PCI Link LNKE
dev.pci_link.4.%driver: pci_link
dev.pci_link.4.%location: handle=\_SB_.LNKE
dev.pci_link.4.%pnpinfo: _HID=PNP0C0F _UID=5
dev.pci_link.4.%parent: acpi0
dev.pci_link.5.%desc: ACPI PCI Link LNKF
dev.pci_link.5.%driver: pci_link
dev.pci_link.5.%location: handle=\_SB_.LNKF
dev.pci_link.5.%pnpinfo: _HID=PNP0C0F _UID=6
dev.pci_link.5.%parent: acpi0
dev.pci_link.6.%desc: ACPI PCI Link LNKG
dev.pci_link.6.%driver: pci_link
dev.pci_link.6.%location: handle=\_SB_.LNKG
dev.pci_link.6.%pnpinfo: _HID=PNP0C0F _UID=7
dev.pci_link.6.%parent: acpi0
dev.pci_link.7.%desc: ACPI PCI Link LNKH
dev.pci_link.7.%driver: pci_link
dev.pci_link.7.%location: handle=\_SB_.LNKH
dev.pci_link.7.%pnpinfo: _HID=PNP0C0F _UID=8
dev.pci.0.%desc: ACPI Host-PCI bridge
dev.pci.0.%driver: pci_b
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_b
dev.pci.1.%location: slot=1 function=0 handle=\_SB_.PCI0.NPE1
dev.pci.1.%pnpinfo: vendor=0x8086 device=0x3c02 subvendor=0x1bcf subdevice=0x800b class=0x060400
dev.pci.1.%parent: pci0
dev.pci.1.domain: 0
dev.pci.1.pribus: 0
dev.pci.1.secbus: 16
dev.pci.1.subbus: 31
dev.pci.1.wake: 0
dev.pci.2.%desc: ACPI PCI-PCI bridge
dev.pci.2.%driver: pci_b
dev.pci.2.%location: slot=3 function=0 handle=\_SB_.PCI0.NPE7
dev.pci.2.%pnpinfo: vendor=0x8086 device=0x3c08 subvendor=0x1bcf subdevice=0x800b class=0x060400
dev.pci.2.%parent: pci0
dev.pci.2.domain: 0
dev.pci.2.pribus: 0
dev.pci.2.secbus: 32
dev.pci.2.subbus: 79
dev.pci.2.wake: 0
dev.pci.3.%desc: ACPI PCI-PCI bridge
dev.pci.3.%driver: pci_b
dev.pci.3.%location: slot=17 function=0 handle=\_SB_.PCI0.P0P1
dev.pci.3.%pnpinfo: vendor=0x8086 device=0x1d3e subvendor=0x1bcf subdevice=0x800b class=0x060400
dev.pci.3.%parent: pci0
dev.pci.3.domain: 0
dev.pci.3.pribus: 0
dev.pci.3.secbus: 1
dev.pci.3.subbus: 7
dev.pci.4.%desc: ACPI PCI-PCI bridge
dev.pci.4.%driver: pci_b
dev.pci.4.%location: slot=28 function=0 handle=\_SB_.PCI0.PEX0
dev.pci.4.%pnpinfo: vendor=0x8086 device=0x1d10 subvendor=0x1bcf subdevice=0x800b class=0x060400
dev.pci.4.%parent: pci0
dev.pci.4.domain: 0
dev.pci.4.pribus: 0
dev.pci.4.secbus: 8
dev.pci.4.subbus: 15
dev.pci.4.wake: 0
dev.pci.5.%desc: ACPI PCI-PCI bridge
dev.pci.5.%driver: pci_b
dev.pci.5.%location: slot=28 function=2 handle=\_SB_.PCI0.PEX2
dev.pci.5.%pnpinfo: vendor=0x8086 device=0x1d14 subvendor=0x1bcf subdevice=0x800b class=0x060400
dev.pci.5.%parent: pci0
dev.pci.5.domain: 0
dev.pci.5.pribus: 0
dev.pci.5.secbus: 125
dev.pci.5.subbus: 125
dev.pci.5.wake: 0
dev.pci.6.%desc: ACPI PCI-PCI bridge
dev.pci.6.%driver: pci_b
dev.pci.6.%location: slot=28 function=3 handle=\_SB_.PCI0.PEX3

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dev.pci.6.%npninfo: vendor=0x8086 device=0x1d16 subvendor=0x1bcf subdevice=0x800b class=0x060400
dev.pci.6.%parent: pci0
dev.pci.6.domain: 0
dev.pci.6.pribus: 0
dev.pci.6.secbus: 80
dev.pci.6.subbus: 95
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.%npninfo: vendor=0x8086 device=0x1d18 subvendor=0x1bcf subdevice=0x800b class=0x060400
dev.pci.7.%parent: pci0
dev.pci.7.domain: 0
dev.pci.7.pribus: 0
dev.pci.7.secbus: 96
dev.pci.7.subbus: 124
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.BR7E
dev.pci.8.%npninfo: vendor=0x8086 device=0x244e subvendor=0x1bcf subdevice=0x800b class=0x060401
dev.pci.8.%parent: pci0
dev.pci.8.domain: 0
dev.pci.8.pribus: 0
dev.pci.8.secbus: 126
dev.pci.8.subbus: 126
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.%npninfo: _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.%npninfo: _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.%npninfo: vendor=0x8086 device=0x3c01 subvendor=0x1bcf subdevice=0x800b 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 Host-PCI bridge
dev.pci.12.%driver: pcib
dev.pci.12.%location: handle=_SB_.UNC1
dev.pci.12.%npninfo: _HID=PNP0A03 _UID=255
dev.pci.12.%parent: acpi0
dev.pci.0.%desc: ACPI PCI bus
dev.pci.0.%driver: pci
dev.pci.0.%parent: pcib0
dev.pci.16.%desc: ACPI PCI bus
dev.pci.16.%driver: pci
dev.pci.16.%parent: pcib1
dev.pci.16.wake: 0
dev.pci.32.%desc: ACPI PCI bus
dev.pci.32.%driver: pci
dev.pci.32.%parent: pcib2
dev.pci.32.wake: 0
dev.pci.1.%desc: ACPI PCI bus
dev.pci.1.%driver: pci
dev.pci.1.%parent: pcib3
dev.pci.8.%desc: ACPI PCI bus
dev.pci.8.%driver: pci
dev.pci.8.%parent: pcib4
dev.pci.8.wake: 0
dev.pci.125.%desc: ACPI PCI bus
dev.pci.125.%driver: pci
dev.pci.125.%parent: pcib5
dev.pci.125.wake: 0
dev.pci.80.%desc: ACPI PCI bus
dev.pci.80.%driver: pci
dev.pci.80.%parent: pcib6
dev.pci.80.wake: 0
dev.pci.96.%desc: ACPI PCI bus
dev.pci.96.%driver: pci
dev.pci.96.%parent: pcib7
dev.pci.96.wake: 0
dev.pci.126.%desc: ACPI PCI bus
dev.pci.126.%driver: pci
dev.pci.126.%parent: pcib8
dev.pci.126.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.255.%desc: ACPI PCI bus
dev.pci.255.%driver: pci
dev.pci.255.%parent: pcib12
dev.hostb.0.%desc: Host to PCI bridge
dev.hostb.0.%driver: hostb
dev.hostb.0.%location: slot=0 function=0
dev.hostb.0.%npninfo: vendor=0x8086 device=0x3c00 subvendor=0x1bcf subdevice=0x800b class=0x060000
dev.hostb.0.%parent: pci0

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dev.mfi.0.%desc: ThunderBolt
dev.mfi.0.%driver: mfi
dev.mfi.0.%location: slot=0 function=0
dev.mfi.0.%pnpinfo: vendor=0x1000 device=0x005b subvendor=0x1000 subdevice=0x9267 class=0x010400
dev.mfi.0.%parent: pci16
dev.mfi.0.delete_busy_volumes: 0
dev.mfi.0.keep_deleted_volumes: 0
dev.ioapic.0.%desc: IO(x) APIC
dev.ioapic.0.%driver: ioapic
dev.ioapic.0.%location: slot=5 function=4
dev.ioapic.0.%pnpinfo: vendor=0x8086 device=0x3c2c subvendor=0x1bcf subdevice=0x800b class=0x080020
dev.ioapic.0.%parent: pci0
dev.ioapic.1.%desc: IO(x) APIC
dev.ioapic.1.%driver: ioapic
dev.ioapic.1.%location: slot=5 function=4
dev.ioapic.1.%pnpinfo: vendor=0x8086 device=0x3c2c subvendor=0x1bcf subdevice=0x800b class=0x080020
dev.ioapic.1.%parent: pci128
dev.ehci.0.%desc: EHCI (generic) USB 2.0 controller
dev.ehci.0.%driver: ehci
dev.ehci.0.%location: slot=26 function=0 handle=\_SB_.PCI0.USB
dev.ehci.0.%pnpinfo: vendor=0x8086 device=0x1d2d subvendor=0x1bcf subdevice=0x800b class=0x0c0320
dev.ehci.0.%parent: pci0
dev.ehci.0.wake: 0
dev.ehci.1.%desc: EHCI (generic) USB 2.0 controller
dev.ehci.1.%driver: ehci
dev.ehci.1.%location: slot=29 function=0 handle=\_SB_.PCI0.EUSB
dev.ehci.1.%pnpinfo: vendor=0x8086 device=0x1d26 subvendor=0x1bcf subdevice=0x800b class=0x0c0320
dev.ehci.1.%parent: pci0
dev.ehci.1.wake: 0
dev.usbus.0.%driver: usb
dev.usbus.0.%parent: ehci0
dev.usbus.1.%driver: usb
dev.usbus.1.%parent: ehci1
dev.bge.0.%desc: Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5719001
dev.bge.0.%driver: bge
dev.bge.0.%location: slot=0 function=0 handle=\_SB_.PCI0.PEX0.LAN1
dev.bge.0.%pnpinfo: vendor=0x14e4 device=0x1657 subvendor=0x1bcf subdevice=0x800b class=0x020000
dev.bge.0.%parent: pci8
dev.bge.0.forced_collapse: 0
dev.bge.0.msi: 1
dev.bge.0.forced_udpcsum: 0
dev.bge.0.stats.FramesDroppedDueToFilters: 0
dev.bge.0.stats.DmaWriteQueueFull: 0
dev.bge.0.stats.DmaWriteHighPriQueueFull: 0
dev.bge.0.stats.NoMoreRxBDs: 0
dev.bge.0.stats.InputDiscards: 0
dev.bge.0.stats.InputErrors: 0
dev.bge.0.stats.RecvThresholdHit: 0
dev.bge.0.stats.rx.ifHCInOctets: 165610
dev.bge.0.stats.rx.Fragments: 0
dev.bge.0.stats.rx.UnicastPkts: 240
dev.bge.0.stats.rx.MulticastPkts: 282
dev.bge.0.stats.rx.BroadcastPkts: 545
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: 30787
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: 263
dev.bge.0.stats.tx.MulticastPkts: 0
dev.bge.0.stats.tx.BroadcastPkts: 8
dev.bge.0.wake: 0
dev.bge.1.%desc: Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5719001
dev.bge.1.%driver: bge
dev.bge.1.%location: slot=0 function=1 handle=\_SB_.PCI0.PEX0.LAN2
dev.bge.1.%pnpinfo: vendor=0x14e4 device=0x1657 subvendor=0x1bcf subdevice=0x800b class=0x020000
dev.bge.1.%parent: pci8
dev.bge.1.forced_collapse: 0
dev.bge.1.msi: 1
dev.bge.1.forced_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

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dev.bge.1.stats.rx.FramesTooLong: 0
dev.bge.1.stats.rx.Jabbers: 0
dev.bge.1.stats.rx.UndersizePkts: 0
dev.bge.1.stats.tx.ifHCOutOctets: 0
dev.bge.1.stats.tx.Collisions: 0
dev.bge.1.stats.tx.XonSent: 0
dev.bge.1.stats.tx.XoffSent: 0
dev.bge.1.stats.tx.InternalMacTransmitErrors: 0
dev.bge.1.stats.tx.SingleCollisionFrames: 0
dev.bge.1.stats.tx.MultipleCollisionFrames: 0
dev.bge.1.stats.tx.DeferredTransmissions: 0
dev.bge.1.stats.tx.ExcessiveCollisions: 0
dev.bge.1.stats.tx.LateCollisions: 0
dev.bge.1.stats.tx.UnicastPkts: 0
dev.bge.1.stats.tx.MulticastPkts: 0
dev.bge.1.stats.tx.BroadcastPkts: 0
dev.bge.1.wake: 0
dev.bge.2.%desc: Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5719001
dev.bge.2.%driver: bge
dev.bge.2.%location: slot=0 function=2 handle=\_SB_.PCI0.PEX0.LAN3
dev.bge.2.%pnpinf: vendor=0x14e4 device=0x1657 subvendor=0x1bcf subdevice=0x800b class=0x020000
dev.bge.2.%parent: pci8
dev.bge.2.forced_collapse: 0
dev.bge.2.msi: 1
dev.bge.2.forced_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. 0x5719001
dev.bge.3.%driver: bge
dev.bge.3.%location: slot=0 function=3 handle=\_SB_.PCI0.PEX0.LAN4
dev.bge.3.%pnpinf: vendor=0x14e4 device=0x1657 subvendor=0x1bcf subdevice=0x800b class=0x020000
dev.bge.3.%parent: pci8
dev.bge.3.forced_collapse: 0
dev.bge.3.msi: 1
dev.bge.3.forced_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

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dev.bge.3.wake: 0
dev.miibus.0.%desc: MII bus
dev.miibus.0.%driver: miibus
dev.miibus.0.%parent: bge0
dev.miibus.1.%desc: MII bus
dev.miibus.1.%driver: miibus
dev.miibus.1.%parent: bge1
dev.miibus.2.%desc: MII bus
dev.miibus.2.%driver: miibus
dev.miibus.2.%parent: bge2
dev.miibus.3.%desc: MII bus
dev.miibus.3.%driver: miibus
dev.miibus.3.%parent: bge3
dev.brgphy.0.%desc: BCM5719C 1000BASE-T media interface
dev.brgphy.0.%driver: brgphy
dev.brgphy.0.%location: phy-no=1
dev.brgphy.0.%npninfo: oui=0x1be9 model=0x22 rev=0x0
dev.brgphy.0.%parent: miibus0
dev.brgphy.1.%desc: BCM5719C 1000BASE-T media interface
dev.brgphy.1.%driver: brgphy
dev.brgphy.1.%location: phy-no=2
dev.brgphy.1.%npninfo: oui=0x1be9 model=0x22 rev=0x0
dev.brgphy.1.%parent: miibus1
dev.brgphy.2.%desc: BCM5719C 1000BASE-T media interface
dev.brgphy.2.%driver: brgphy
dev.brgphy.2.%location: phy-no=3
dev.brgphy.2.%npninfo: oui=0x1be9 model=0x22 rev=0x0
dev.brgphy.2.%parent: miibus2
dev.brgphy.3.%desc: BCM5719C 1000BASE-T media interface
dev.brgphy.3.%driver: brgphy
dev.brgphy.3.%location: phy-no=4
dev.brgphy.3.%npninfo: oui=0x1be9 model=0x22 rev=0x0
dev.brgphy.3.%parent: miibus3
dev.vgapci.0.%desc: VGA-compatible display
dev.vgapci.0.%driver: vgapci
dev.vgapci.0.%location: slot=0 function=0
dev.vgapci.0.%npninfo: vendor=0x102b device=0x0522 subvendor=0x1bcf subdevice=0x800b class=0x030000
dev.vgapci.0.%parent: pci125
dev.isab.0.%desc: PCI-ISA bridge
dev.isab.0.%driver: isab
dev.isab.0.%location: slot=31 function=0 handle=_SB_.PCI0.SBRG
dev.isab.0.%npninfo: vendor=0x8086 device=0x1d41 subvendor=0x1bcf subdevice=0x800b class=0x060100
dev.isab.0.%parent: pci0
dev.isa.0.%desc: ISA bus
dev.isa.0.%driver: isa
dev.isa.0.%parent: isab0
dev.atapci.0.%desc: Intel Patsburg SATA300 controller
dev.atapci.0.%driver: atapci
dev.atapci.0.%location: slot=31 function=2 handle=_SB_.PCI0.SAT0
dev.atapci.0.%npninfo: vendor=0x8086 device=0x1d00 subvendor=0x1bcf subdevice=0x800b class=0x01018f
dev.atapci.0.%parent: pci0
dev.atapci.1.%desc: Intel Patsburg SATA300 controller
dev.atapci.1.%driver: atapci
dev.atapci.1.%location: slot=31 function=5 handle=_SB_.PCI0.SAT1
dev.atapci.1.%npninfo: vendor=0x8086 device=0x1d08 subvendor=0x1bcf subdevice=0x800b class=0x010185
dev.atapci.1.%parent: pci0
dev.ata.2.%desc: ATA channel
dev.ata.2.%driver: ata
dev.ata.2.%location: channel=0
dev.ata.2.%parent: atapci0
dev.ata.3.%desc: ATA channel
dev.ata.3.%driver: ata
dev.ata.3.%location: channel=1
dev.ata.3.%parent: atapci0
dev.ata.4.%desc: ATA channel
dev.ata.4.%driver: ata
dev.ata.4.%location: channel=0
dev.ata.4.%parent: atapci1
dev.ata.5.%desc: ATA channel
dev.ata.5.%driver: ata
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.%npninfo: _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.%npninfo: _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.%npninfo: _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.%npninfo: _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.SBRG.COPR
dev.fpupnp.0.%npninfo: _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 ROMs
dev.orm.0.%driver: orm
dev.orm.0.%parent: isa0
dev.sc.0.%desc: System console
dev.sc.0.%driver: sc
dev.sc.0.%parent: isa0
dev.vga.0.%desc: Generic ISA VGA
dev.vga.0.%driver: vga
dev.vga.0.%parent: isa0
dev.acpi_perf.0.%driver: acpi_perf
dev.acpi_perf.0.%parent: cpu0
dev.acpi_perf.1.%driver: acpi_perf
dev.acpi_perf.1.%parent: cpu1
dev.acpi_perf.2.%driver: acpi_perf
dev.acpi_perf.2.%parent: cpu2
dev.acpi_perf.3.%driver: acpi_perf
dev.acpi_perf.3.%parent: cpu3
dev.acpi_perf.4.%driver: acpi_perf
dev.acpi_perf.4.%parent: cpu4
dev.acpi_perf.5.%driver: acpi_perf
dev.acpi_perf.5.%parent: cpu5
dev.acpi_perf.6.%driver: acpi_perf
dev.acpi_perf.6.%parent: cpu6
dev.acpi_perf.7.%driver: acpi_perf
dev.acpi_perf.7.%parent: cpu7
dev.acpi_perf.8.%driver: acpi_perf
dev.acpi_perf.8.%parent: cpu8
dev.acpi_perf.9.%driver: acpi_perf
dev.acpi_perf.9.%parent: cpu9
dev.acpi_perf.10.%driver: acpi_perf
dev.acpi_perf.10.%parent: cpu10
dev.acpi_perf.11.%driver: acpi_perf
dev.acpi_perf.11.%parent: cpu11
dev.est.0.%desc: Enhanced SpeedStep Frequency Control
dev.est.0.%driver: est
dev.est.0.%parent: cpu0
dev.est.0.freq_settings: 2001/60000 2000/60000 1900/56352 1800/52775 1700/49270 1600/45836 1500/42471 1400/39184 1300/35957 1200/32798
dev.est.1.%desc: Enhanced SpeedStep Frequency Control
dev.est.1.%driver: est
dev.est.1.%parent: cpu1
dev.est.1.freq_settings: 2001/60000 2000/60000 1900/56352 1800/52775 1700/49270 1600/45836 1500/42471 1400/39184 1300/35957 1200/32798
dev.est.2.%desc: Enhanced SpeedStep Frequency Control
dev.est.2.%driver: est
dev.est.2.%parent: cpu2
dev.est.2.freq_settings: 2001/60000 2000/60000 1900/56352 1800/52775 1700/49270 1600/45836 1500/42471 1400/39184 1300/35957 1200/32798
dev.est.3.%desc: Enhanced SpeedStep Frequency Control
dev.est.3.%driver: est
dev.est.3.%parent: cpu3
dev.est.3.freq_settings: 2001/60000 2000/60000 1900/56352 1800/52775 1700/49270 1600/45836 1500/42471 1400/39184 1300/35957 1200/32798
dev.est.4.%desc: Enhanced SpeedStep Frequency Control
dev.est.4.%driver: est
dev.est.4.%parent: cpu4
dev.est.4.freq_settings: 2001/60000 2000/60000 1900/56352 1800/52775 1700/49270 1600/45836 1500/42471 1400/39184 1300/35957 1200/32798
dev.est.5.%desc: Enhanced SpeedStep Frequency Control
dev.est.5.%driver: est
dev.est.5.%parent: cpu5
dev.est.5.freq_settings: 2001/60000 2000/60000 1900/56352 1800/52775 1700/49270 1600/45836 1500/42471 1400/39184 1300/35957 1200/32798
dev.est.6.%desc: Enhanced SpeedStep Frequency Control
dev.est.6.%driver: est
dev.est.6.%parent: cpu6
dev.est.6.freq_settings: 2001/60000 2000/60000 1900/56352 1800/52775 1700/49270 1600/45836 1500/42471 1400/39184 1300/35957 1200/32798
dev.est.7.%desc: Enhanced SpeedStep Frequency Control
dev.est.7.%driver: est
dev.est.7.%parent: cpu7
dev.est.7.freq_settings: 2001/60000 2000/60000 1900/56352 1800/52775 1700/49270 1600/45836 1500/42471 1400/39184 1300/35957 1200/32798
dev.est.8.%desc: Enhanced SpeedStep Frequency Control
dev.est.8.%driver: est
dev.est.8.%parent: cpu8
dev.est.8.freq_settings: 2001/60000 2000/60000 1900/56352 1800/52775 1700/49270 1600/45836 1500/42471 1400/39184 1300/35957 1200/32798
dev.est.9.%desc: Enhanced SpeedStep Frequency Control
dev.est.9.%driver: est
dev.est.9.%parent: cpu9
dev.est.9.freq_settings: 2001/60000 2000/60000 1900/56352 1800/52775 1700/49270 1600/45836 1500/42471 1400/39184 1300/35957 1200/32798
dev.est.10.%desc: Enhanced SpeedStep Frequency Control
dev.est.10.%driver: est
dev.est.10.%parent: cpu10
dev.est.10.freq_settings: 2001/60000 2000/60000 1900/56352 1800/52775 1700/49270 1600/45836 1500/42471 1400/39184 1300/35957 1200/32798
dev.est.11.%desc: Enhanced SpeedStep Frequency Control
dev.est.11.%driver: est
dev.est.11.%parent: cpu11
dev.est.11.freq_settings: 2001/60000 2000/60000 1900/56352 1800/52775 1700/49270 1600/45836 1500/42471 1400/39184 1300/35957 1200/32798
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.cpubfreq.8.%driver: cpufreq
dev.cpubfreq.8.%parent: cpu8
dev.cpubfreq.9.%driver: cpufreq
dev.cpubfreq.9.%parent: cpu9
dev.cpubfreq.10.%driver: cpufreq

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dev.cpubfreq.10.%parent: cpu10
dev.cpubfreq.11.%driver: cpufreq
dev.cpubfreq.11.%parent: cpu11
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
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.p4tcc.8.%desc: CPU Frequency Thermal Control
dev.p4tcc.8.%driver: p4tcc
dev.p4tcc.8.%parent: cpu8
dev.p4tcc.8.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.9.%desc: CPU Frequency Thermal Control
dev.p4tcc.9.%driver: p4tcc
dev.p4tcc.9.%parent: cpu9
dev.p4tcc.9.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.10.%desc: CPU Frequency Thermal Control
dev.p4tcc.10.%driver: p4tcc
dev.p4tcc.10.%parent: cpu10
dev.p4tcc.10.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.11.%desc: CPU Frequency Thermal Control
dev.p4tcc.11.%driver: p4tcc
dev.p4tcc.11.%parent: cpu11
dev.p4tcc.11.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: usb0
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: usb1
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=0 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=1 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: uhub2
dev.mfid.0.%driver: mfid
dev.mfid.0.%parent: mfi0
dev.ukbd.0.%desc: Keyboard Interface
dev.ukbd.0.%driver: ukbd
dev.ukbd.0.%location: bus=2 hubaddr=1 port=1 devaddr=3 interface=0
dev.ukbd.0.%pnpinfo: vendor=0x046b product=0xff10 devclass=0x00 devsubclass=0x00 sernum="" release=0x0100 mode=host intclass=0x03 intsubclass=0x01
intprotocol=0x01
dev.ukbd.0.%parent: uhub3
dev.ukbd.1.%desc: Chicony PFU-65 USB Keyboard, class 0/0, rev 1.10/1.02, addr 4
dev.ukbd.1.%driver: ukbd
dev.ukbd.1.%location: bus=3 hubaddr=1 port=0 devaddr=4 interface=0
dev.ukbd.1.%pnpinfo: vendor=0x04fe product=0x0006 devclass=0x00 devsubclass=0x00 sernum="" release=0x0102 mode=host intclass=0x03 intsubclass=0x01
intprotocol=0x01
dev.ukbd.1.%parent: uhub4
dev.umass.0.%desc: Interface
dev.umass.0.%driver: umass
dev.umass.0.%location: bus=2 hubaddr=3 port=1 devaddr=4 interface=0
dev.umass.0.%pnpinfo: vendor=0x046b product=0xff92 devclass=0x00 devsubclass=0x00 sernum="AAAA8888CCCC4" release=0x0100 mode=host intclass=0x08
intsubclass=0x06 intprotocol=0x50
dev.umass.0.%parent: uhub3
dev.umass.1.%desc: UFD 2.0 Silicon-Power16G, class 0/0, rev 2.00/1.00, addr 5
dev.umass.1.%driver: umass
dev.umass.1.%location: bus=2 hubaddr=1 port=0 devaddr=5 interface=0
dev.umass.1.%pnpinfo: vendor=0x13fe product=0x4100 devclass=0x00 devsubclass=0x00 sernum="12090358056E00298333564202" release=0x0100 mode=host intclass=0x08
intsubclass=0x06 intprotocol=0x50
dev.umass.1.%parent: uhub2
dev.ums.0.%desc: Mouse Interface

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dev.ums.0.%driver: ums
dev.ums.0.%location: bus=2 hubaddr=1 port=1 devaddr=3 interface=1
dev.ums.0.%pnpinfo: vendor=0x046b product=0xff10 devclass=0x00 devsubclass=0x00 sernum="" release=0x0100 mode=host intclass=0x03 intsubclass=0x01
intprotocol=0x02
dev.ums.0.%parent: uhub3
dev.ums.0.%parseinfo: i1: Z:r0, p40, s8; B1:r0, p0, s1; B2:r0, p1, s1; B3:r0, p2, s1;
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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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 E5-2430L @ 2.00GHz (1995.23-MHz K8-class CPU)
Origin = "GenuineIntel" Id = 0x206d6 Family = 0x6 Model = 0x2d Stepping = 6
Features=0xbfebfbbf<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=0x1fbee3ff<SSE3,PCLMULQDQ,DTES64,MON,DS_CPL,VMX,SMX,EST,TM2,SSSE3,CX16,xTPR,PCDM,PCID,DCA,SSE4.1,SSE4.2,x2APIC,POPCNT,TSCDLT,AESNI,XSAVE,OSXSAVE,AVX>
AMD Features=0x2c100800<SYSCALL,NX,Page1GB,RDTSCP,LM>
AMD Features2=0x1<LAHF>
TSC: P-state invariant, performance statistics
real memory = 17179869184 (16384 MB)
avail memory = 16509583360 (15744 MB)
Event timer "LAPIC" quality 600
ACPI APIC Table: <ALASKA 05CE >
FreeBSD/SMP: Multiprocessor System Detected: 12 CPUs
FreeBSD/SMP: 2 package(s) x 6 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: 8
cpu5 (AP): APIC ID: 10
cpu6 (AP): APIC ID: 32
cpu7 (AP): APIC ID: 34
cpu8 (AP): APIC ID: 36
cpu9 (AP): APIC ID: 38
cpu10 (AP): APIC ID: 40
cpu11 (AP): APIC ID: 42
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 05CE> on motherboard
acpi0: Power Button (fixed)
cpu0: <ACPI CPU> on acpi0
cpu1: <ACPI CPU> on acpi0
cpu2: <ACPI CPU> on acpi0
cpu3: <ACPI CPU> on acpi0
cpu4: <ACPI CPU> on acpi0
cpu5: <ACPI CPU> on acpi0
cpu6: <ACPI CPU> on acpi0
cpu7: <ACPI CPU> on acpi0
cpu8: <ACPI CPU> on acpi0
cpu9: <ACPI CPU> on acpi0
cpu10: <ACPI CPU> on acpi0
cpu11: <ACPI CPU> on acpi0
attimer0: <AT timer> port 0x40-0x43 irq 0 on acpi0
Timecounter "i8254" frequency 1193182 Hz quality 0
Event timer "i8254" frequency 1193182 Hz quality 100
atrtc0: <AT realtime clock> port 0x70-0x71 irq 8 on acpi0
Event timer "RTC" frequency 32768 Hz quality 0
hpet0: <High Precision Event Timer> iomem 0xfed00000-0xfed003ff on acpi0
Timecounter "HPET" frequency 14318180 Hz quality 950
Event timer "HPET" frequency 14318180 Hz quality 350
Event timer "HPET1" frequency 14318180 Hz quality 340
Event timer "HPET2" frequency 14318180 Hz quality 340
Event timer "HPET3" frequency 14318180 Hz quality 340
Event timer "HPET4" frequency 14318180 Hz quality 340
Event timer "HPET5" frequency 14318180 Hz quality 340
Event timer "HPET6" frequency 14318180 Hz quality 340
Event timer "HPET7" frequency 14318180 Hz quality 340
Timecounter "ACPI-fast" frequency 3579545 Hz quality 900
acpi_timer0: <24-bit timer at 3.579545MHz> port 0x408-0x40b on acpi0
pcib0: <ACPI Host-PCI bridge> port 0xcfc8-0xcfff on acpi0
pci0: <ACPI PCI bus> on pcib0
pcib1: <ACPI PCI-PCI bridge> irq 26 at device 1.0 on pci0
pci16: <ACPI PCI bus> on pcib1
mfi0: <ThunderBolt> port 0xe000-0xe0ff mem 0xe7960000-0xe7963fff,0xe7900000-0xe793ffff irq 26 at device 0.0 on pci16
mfi0: Using MSI
mfi0: Megaraid SAS driver Ver 4.23
mfi0: FW MaxCmds = 1008, limiting to 128
mfi0: MaxCmd = 1008, Drv MaxCmd = 128, MaxSgl = 70, state = 0xb75003f0
pcib2: <ACPI PCI-PCI bridge> irq 40 at device 3.0 on pci0
pci32: <ACPI PCI bus> on pcib2
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)
pcib3: <ACPI PCI-PCI bridge> irq 16 at device 17.0 on pci0
pci1: <ACPI PCI bus> on pcib3
pci0: <simple comms> at device 22.0 (no driver attached)
pci0: <simple comms> at device 22.1 (no driver attached)
ehci0: <EHCI (generic) USB 2.0 controller> mem 0xe7a22000-0xe7a223ff irq 22 at device 26.0 on pci0
usb0: EHCI version 1.0
```

usb0 on ehci0  
pci4: <ACPI PCI-PCI bridge> irq 17 at device 28.0 on pci0  
pci8: <ACPI PCI bus> on pci4  
bge0: <Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5719001> mem 0xe7e0000-0xe7ebffff,0xe7ea0000-0xe7eaffff,0xe7e90000-0xe7e9ffff irq 16 at device 0.0 on pci8  
bge0: APE FW version: NCSI v1.0.60.0  
bge0: CHIP ID 0x05719001; ASIC REV 0x5719; CHIP REV 0x57190; PCI-E  
miibus0: <MII bus> on bge0  
brgphy0: <BCM5719C 1000BASE-T media interface> PHY 1 on miibus0  
brgphy0: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow  
bge0: Ethernet address: 90:2b:34:ba:03:3c  
bge1: <Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5719001> mem 0xe7e80000-0xe7e8ffff,0xe7e70000-0xe7e7ffff,0xe7e60000-0xe7e6ffff irq 17 at device 0.1 on pci8  
bge1: APE FW version: NCSI v1.0.60.0  
bge1: CHIP ID 0x05719001; ASIC REV 0x5719; CHIP REV 0x57190; PCI-E  
miibus1: <MII bus> on bge1  
brgphy1: <BCM5719C 1000BASE-T media interface> PHY 2 on miibus1  
brgphy1: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow  
bge1: Ethernet address: 90:2b:34:ba:03:3d  
bge2: <Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5719001> mem 0xe7e50000-0xe7e5ffff,0xe7e40000-0xe7e4ffff,0xe7e30000-0xe7e3ffff irq 16 at device 0.2 on pci8  
bge2: APE FW version: NCSI v1.0.60.0  
bge2: CHIP ID 0x05719001; ASIC REV 0x5719; CHIP REV 0x57190; PCI-E  
miibus2: <MII bus> on bge2  
brgphy2: <BCM5719C 1000BASE-T media interface> PHY 3 on miibus2  
brgphy2: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow  
bge2: Ethernet address: 90:2b:34:ba:03:3e  
bge3: <Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5719001> mem 0xe7e20000-0xe7e2ffff,0xe7e10000-0xe7e1ffff,0xe7e00000-0xe7e0ffff irq 17 at device 0.3 on pci8  
bge3: APE FW version: NCSI v1.0.60.0  
bge3: CHIP ID 0x05719001; ASIC REV 0x5719; CHIP REV 0x57190; PCI-E  
miibus3: <MII bus> on bge3  
brgphy3: <BCM5719C 1000BASE-T media interface> PHY 4 on miibus3  
brgphy3: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow  
bge3: Ethernet address: 90:2b:34:ba:03:3f  
pci5: <ACPI PCI-PCI bridge> irq 18 at device 28.2 on pci0  
pci125: <ACPI PCI bus> on pci5  
vgapci0: <VGA-compatible display> mem 0xe6000000-0xe6ffffff,0xe7810000-0xe7813fff,0xe7000000-0xe777ffff irq 18 at device 0.0 on pci125  
vgapci0: Boot video device  
pci6: <ACPI PCI-PCI bridge> irq 19 at device 28.3 on pci0  
pci80: <ACPI PCI bus> on pci6  
pci7: <ACPI PCI-PCI bridge> irq 17 at device 28.4 on pci0  
pci96: <ACPI PCI bus> on pci7  
ehci1: <EHCI (generic) USB 2.0 controller> mem 0xe7a21000-0xe7a213ff irq 23 at device 29.0 on pci0  
usb1: EHCI version 1.0  
usb1 on ehci1  
pci8: <ACPI PCI-PCI bridge> at device 30.0 on pci0  
pci126: <ACPI PCI bus> on pci8  
isab0: <PCI-ISA bridge> at device 31.0 on pci0  
isa0: <ISA bus> on isab0  
atapci0: <Intel Patsburg SATA300 controller> port 0xf0d0-0xf0d7,0xf0c0-0xf0c3,0xf0b0-0xf0b7,0xf0a0-0xf0a3,0xf090-0xf09f,0xf080-0xf08f irq 19 at device 31.2 on pci0  
ata2: <ATA channel> at channel 0 on atapci0  
ata3: <ATA channel> at channel 1 on atapci0  
pci0: <serial bus, SMBus> at device 31.3 (no driver attached)  
atapci1: <Intel Patsburg SATA300 controller> port 0xf070-0xf077,0xf060-0xf063,0xf050-0xf057,0xf040-0xf043,0xf030-0xf03f,0xf020-0xf02f irq 19 at device 31.5 on pci0  
ata4: <ATA channel> at channel 0 on atapci1  
ata5: <ATA channel> at channel 1 on atapci1  
pci9: <ACPI Host-PCI bridge> on acpi0  
pci127: <ACPI PCI bus> on pci9  
pci127: <base peripheral> at device 8.0 (no driver attached)  
pci127: <base peripheral> at device 8.3 (no driver attached)  
pci127: <base peripheral> at device 8.4 (no driver attached)  
pci127: <base peripheral> at device 9.0 (no driver attached)  
pci127: <base peripheral> at device 9.3 (no driver attached)  
pci127: <base peripheral> at device 9.4 (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 11.0 (no driver attached)  
pci127: <base peripheral> at device 11.3 (no driver attached)  
pci127: <base peripheral> at device 12.0 (no driver attached)  
pci127: <base peripheral> at device 12.1 (no driver attached)  
pci127: <base peripheral> at device 12.2 (no driver attached)  
pci127: <base peripheral> at device 12.6 (no driver attached)  
pci127: <base peripheral> at device 12.7 (no driver attached)  
pci127: <base peripheral> at device 13.0 (no driver attached)  
pci127: <base peripheral> at device 13.1 (no driver attached)  
pci127: <base peripheral> at device 13.2 (no driver attached)  
pci127: <base peripheral> at device 13.6 (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 15.6 (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 16.5 (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 17.0 (no driver attached)  
pci127: <base peripheral> at device 19.0 (no driver attached)  
pci127: <dasp> at device 19.1 (no driver attached)  
pci127: <dasp> at device 19.4 (no driver attached)

```

pci127: <dasp> at device 19.5 (no driver attached)
pci127: <base peripheral> at device 19.6 (no driver attached)
pcib10: <ACPI Host-PCI bridge> on acpi0
pci128: <ACPI PCI bus> on pcib10
pcib11: <ACPI PCI-PCI bridge> at device 0.0 on pci128
pci129: <ACPI PCI bus> on pcib11
pci128: <base peripheral> at device 4.0 (no driver attached)
pci128: <base peripheral> at device 4.1 (no driver attached)
pci128: <base peripheral> at device 4.2 (no driver attached)
pci128: <base peripheral> at device 4.3 (no driver attached)
pci128: <base peripheral> at device 4.4 (no driver attached)
pci128: <base peripheral> at device 4.5 (no driver attached)
pci128: <base peripheral> at device 4.6 (no driver attached)
pci128: <base peripheral> at device 4.7 (no driver attached)
pci128: <base peripheral> at device 5.0 (no driver attached)
pci128: <base peripheral> at device 5.2 (no driver attached)
pcib12: <ACPI Host-PCI bridge> on acpi0
pci255: <ACPI PCI bus> on pcib12
pci255: <base peripheral> at device 8.0 (no driver attached)
pci255: <base peripheral> at device 8.3 (no driver attached)
pci255: <base peripheral> at device 8.4 (no driver attached)
pci255: <base peripheral> at device 9.0 (no driver attached)
pci255: <base peripheral> at device 9.3 (no driver attached)
pci255: <base peripheral> at device 9.4 (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 11.0 (no driver attached)
pci255: <base peripheral> at device 11.3 (no driver attached)
pci255: <base peripheral> at device 12.0 (no driver attached)
pci255: <base peripheral> at device 12.1 (no driver attached)
pci255: <base peripheral> at device 12.2 (no driver attached)
pci255: <base peripheral> at device 12.6 (no driver attached)
pci255: <base peripheral> at device 12.7 (no driver attached)
pci255: <base peripheral> at device 13.0 (no driver attached)
pci255: <base peripheral> at device 13.1 (no driver attached)
pci255: <base peripheral> at device 13.2 (no driver attached)
pci255: <base peripheral> at device 13.6 (no driver attached)
pci255: <base peripheral> at device 14.0 (no driver attached)
pci255: <dasp> at device 14.1 (no driver attached)
pci255: <base peripheral> at device 15.0 (no driver attached)
pci255: <base peripheral> at device 15.1 (no driver attached)
pci255: <base peripheral> at device 15.2 (no driver attached)
pci255: <base peripheral> at device 15.3 (no driver attached)
pci255: <base peripheral> at device 15.4 (no driver attached)
pci255: <base peripheral> at device 15.5 (no driver attached)
pci255: <base peripheral> at device 15.6 (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 16.5 (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 17.0 (no driver attached)
pci255: <base peripheral> at device 19.0 (no driver attached)
pci255: <dasp> at device 19.1 (no driver attached)
pci255: <dasp> at device 19.4 (no driver attached)
pci255: <dasp> at device 19.5 (no driver attached)
pci255: <base peripheral> at device 19.6 (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 ROMs> at iomem 0xc0000-0xc7fff,0xcf800-0xd27ff on isa0
sc0: <System console> at flags 0x100 on isa0
sc0: VGA <16 virtual consoles, flags=0x300>
vga0: <Generic ISA VGA> at port 0x3c0-0x3df iomem 0xa0000-0xbffff on isa0
ppc0: cannot reserve I/O port range
est0: <Enhanced SpeedStep Frequency Control> on cpu0
p4tcc0: <CPU Frequency Thermal Control> on cpu0
est1: <Enhanced SpeedStep Frequency Control> on cpu1
p4tcc1: <CPU Frequency Thermal Control> on cpu1
est2: <Enhanced SpeedStep Frequency Control> on cpu2
p4tcc2: <CPU Frequency Thermal Control> on cpu2
est3: <Enhanced SpeedStep Frequency Control> on cpu3
p4tcc3: <CPU Frequency Thermal Control> on cpu3
est4: <Enhanced SpeedStep Frequency Control> on cpu4
p4tcc4: <CPU Frequency Thermal Control> on cpu4
est5: <Enhanced SpeedStep Frequency Control> on cpu5
p4tcc5: <CPU Frequency Thermal Control> on cpu5
est6: <Enhanced SpeedStep Frequency Control> on cpu6
p4tcc6: <CPU Frequency Thermal Control> on cpu6
est7: <Enhanced SpeedStep Frequency Control> on cpu7
p4tcc7: <CPU Frequency Thermal Control> on cpu7
est8: <Enhanced SpeedStep Frequency Control> on cpu8
p4tcc8: <CPU Frequency Thermal Control> on cpu8
est9: <Enhanced SpeedStep Frequency Control> on cpu9
p4tcc9: <CPU Frequency Thermal Control> on cpu9
est10: <Enhanced SpeedStep Frequency Control> on cpu10
p4tcc10: <CPU Frequency Thermal Control> on cpu10
est11: <Enhanced SpeedStep Frequency Control> on cpu11
p4tcc11: <CPU Frequency Thermal Control> on cpu11
mfi0: 40671 (451196185s/0x0020/info) - Shutdown command received from host
mfi0: 40672 (boot + 4s/0x0020/info) - Firmware initialization started (PCI ID 005b/1000/9267/1000)
mfi0: 40673 (boot + 4s/0x0020/info) - Firmware version 3.140.75-1628
mfi0: 40674 (boot + 5s/0x0008/info) - Battery Present
mfi0: 40675 (boot + 5s/0x0008/info) - Battery Present
mfi0: 40676 (boot + 34s/0x0020/info) - Package version 23.1.1-0014
mfi0: 40677 (boot + 34s/0x0020/info) - Board Revision 03B
mfi0: 40678 (boot + 52s/0x0002/info) - Inserted: PD 08(e0xfc/s3)
mfi0: 40679 (boot + 52s/0x0002/info) - Inserted: PD 08(e0xfc/s3) Info: enclPd=fc, scsiType=0, portMap=00, sasAddr=5000cca00bb0f889,0000000000000000

```

```

mfi0: 40680 (boot + 52s/0x0002/info) - Inserted: PD 09(e0xfc/s2)
mfi0: 40681 (boot + 52s/0x0002/info) - Inserted: PD 09(e0xfc/s2) Info: enclPd=fc, scsiType=0, portMap=01, sasAddr=5000cca00bb1f7d1,0000000000000000
mfi0: 40682 (boot + 52s/0x0002/info) - Inserted: PD 0a(e0xfc/s1)
mfi0: 40683 (boot + 52s/0x0002/info) - Inserted: PD 0a(e0xfc/s1) Info: enclPd=fc, scsiType=0, portMap=02, sasAddr=5000cca00bb0f6a5,0000000000000000
mfi0: 40684 (boot + 52s/0x0002/info) - Inserted: PD 0b(e0xfc/s0)
mfi0: 40685 (boot + 52s/0x0002/info) - Inserted: PD 0b(e0xfc/s0) Info: enclPd=fc, scsiType=0, portMap=03, sasAddr=5000cca00bb1b9e5,0000000000000000
mfi0: 40686 (451196254s/0x0020/info) - Time established as 04/19/14 4:17:34; (57 seconds since power on)
mfi0: 40687 (451196287s/0x0008/info) - Battery temperature is normal
mfi0: 40688 (451196287s/0x0008/WARN) - Battery requires reconditioning; please initiate a LEARN cycle
mfi0: 40689 (451196310s/0x0020/info) - Patrol Read resumed
Timecounters tick every 1.000 msec
random: unblocking device.
usb0: 480Mbps High Speed USB v2.0
usb1: 480Mbps High Speed USB v2.0
ugen0.1: <Intel> at usb0
uhub0: <Intel EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1> on usb0
ugen1.1: <Intel> at usb1
uhub1: <Intel EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1> on usb1
mfid0 on mfi0
mfid0: 278400MB (570163200 sectors) RAID volume (no label) is optimal
uhub0: 2 ports with 2 removable, self powered
uhub1: 2 ports with 2 removable, self powered
mfi0: 40694 (451196352s/0x0008/info) - Battery started charging
mfi0: 40695 (451196352s/0x0008/info) - Battery releasn pending: Battery is under charge
ugen0.2: <vendor 0x8087> at usb0
uhub2: <vendor 0x8087 product 0x0024, class 9/0, rev 2.00/0.00, addr 2> on usb0
ugen1.2: <vendor 0x8087> at usb1
uhub3: <vendor 0x8087 product 0x0024, class 9/0, rev 2.00/0.00, addr 2> on usb1
uhub2: 6 ports with 6 removable, self powered
uhub3: 8 ports with 8 removable, self powered
ugen1.3: <American Megatrends Inc.> at usb1
ukbd0: <Keyboard Interface> on usb1
kbd0 at ukbd0
Netvsc initializing... SMP: AP CPU #10 Launched!
SMP: AP CPU #1 Launched!
SMP: AP CPU #9 Launched!
SMP: AP CPU #6 Launched!
SMP: AP CPU #4 Launched!
SMP: AP CPU #8 Launched!
SMP: AP CPU #3 Launched!
SMP: AP CPU #2 Launched!
SMP: AP CPU #7 Launched!
SMP: AP CPU #5 Launched!
SMP: AP CPU #11 Launched!
Timecounter "TSC" frequency 1995232360 Hz quality 1000
Root mount waiting for: usb1
Root mount waiting for: usb1
ugen1.4: <American Megatrends Inc.> at usb1
umass0: <Interface> on usb1
umass0: SCSI over Bulk-Only; quirks = 0x0000
umass0:4:0:-1: Attached to scbus4
Trying to mount root from ufs:/dev/mfid0p2 [rw]...
cd0 at umass-sim0 bus 0 scbus4 target 0 lun 0
cd0: <AMI Remote CD/DVD 1.00> Removable CD-ROM SCSI-0 device
cd0: Serial Number AAAABBBBCCCC4
cd0: 40.000MB/s transfers
cd0: Attempt to query device size failed: NOT READY, Medium not present
cd0: quirks=0x10-10_BYTE_ONLY>
da0 at umass-sim0 bus 0 scbus4 target 0 lun 1
da0: <AMI Remote FD 1.00> Removable Direct Access SCSI-0 device
da0: Serial Number AAAABBBBCCCC4
da0: 40.000MB/s transfers
da0: Attempt to query device size failed: NOT READY, Medium not present
da0: quirks=0x2-NO_6_BYTE>
da1 at umass-sim0 bus 0 scbus4 target 0 lun 2
da1: <AMI Remote USB MEM 1.00> Removable Direct Access SCSI-0 device
da1: Serial Number AAAABBBBCCCC4
da1: 40.000MB/s transfers
da1: Attempt to query device size failed: NOT READY, Medium not present
da1: quirks=0x2-NO_6_BYTE>
da2 at umass-sim0 bus 0 scbus4 target 0 lun 3
da2: <AMI Virtual Flash 1.00> Removable Direct Access SCSI-0 device
da2: Serial Number AAAABBBBCCCC4
da2: 40.000MB/s transfers
da2: Attempt to query device size failed: NOT READY, Medium not present
da2: quirks=0x2-NO_6_BYTE>
ums0: <Mouse Interface> on usb1
ums0: 3 buttons and [Z] coordinates ID=0

```



# カーネルデバイスツリー

```
nexus0
  apic0
    I/O memory addresses:
      0xfee00000-0xfee003ff
  ram0
    I/O memory addresses:
      0x0-0x9ffff
      0x100000-0x7cfd3fff
      0x100000000-0x47fffffff
  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:
      0xe7ffc000-0xe7ffdfdf
      0xfbf00000-0xfbf0ffff
      0xfc000000-0xfc0fffff
      0xfd000000-0xfd0fffff
      0xfe000000-0xfe0fffff
      0xfeb00000-0xfebfffff
      0xfec00000-0xfecfffff
      0xfed00400-0xfed3ffff
      0xfed45000-0xfedfffff
      0xff000000-0xff0fffff
  pci0
    I/O ports:
      0xcfc8-0xcfff
  pci0
  hostb0
  pci0
  pci1
    I/O ports:
      0xe000-0xefff
    I/O memory addresses:
      0xe7900000-0xe79fffff
  pci16
  mfi0
    Interrupt request lines:
      0x108
    pci0 I/O port window:
      0xe000-0xe0ff
    pci0 memory window:
      0xe7900000-0xe793ffff
      0xe7960000-0xe7963fff
  mfid0
  pci2
  pci32
  ioapic0
    I/O memory addresses:
      0xe7a25000-0xe7a25fff
  pci3
  pci1
  ehci0
    Interrupt request lines:
      0x16
    I/O memory addresses:
      0xe7a22000-0xe7a223ff
  usb0
  uhub0
  uhub2
  uhub4
  ukbd1
  umass1
  pci4
    I/O memory addresses:
      0xe7e00000-0xe7efffff
  pci8
  bge0
    Interrupt request lines:
      0x109
    pci4 prefetch window:
      0xe7e90000-0xe7e9ffff
      0xe7ea0000-0xe7eaffff
      0xe7eb0000-0xe7ebffff
  miibus0
  brgphy0
  bge1
```

```

Interrupt request lines:
  0x10a
pcib4 prefetch window:
  0xe7e60000-0xe7e6ffff
  0xe7e70000-0xe7e7ffff
  0xe7e80000-0xe7e8ffff
miibus1
  brgphy1
bge2
  Interrupt request lines:
    0x10b
  pci4 prefetch window:
    0xe7e30000-0xe7e3ffff
    0xe7e40000-0xe7e4ffff
    0xe7e50000-0xe7e5ffff
  miibus2
    brgphy2
bge3
  Interrupt request lines:
    0x10c
  pci4 prefetch window:
    0xe7e00000-0xe7e0ffff
    0xe7e10000-0xe7e1ffff
    0xe7e20000-0xe7e2ffff
  miibus3
    brgphy3
pcib5
  I/O memory addresses:
    0xe6000000-0xe78fffff
pci125
  vgapci0
    pci5 memory window:
      0xe6000000-0xe6ffffff
      0xe7000000-0xe77fffff
      0xe7810000-0xe7813fff
pcib6
pci80
pci87
pci96
ehci1
  Interrupt request lines:
    0x17
  I/O memory addresses:
    0xe7a21000-0xe7a213ff
usb1
  uhub1
    uhub3
      ukbd0
      umass0
      ums0
pcib8
pci126
isab0
isa0
sc0
vga0
  I/O ports:
    0x3c0-0x3df
  I/O memory addresses:
    0xa0000-0xbffff
orm0
  I/O memory addresses:
    0xc0000-0xc7fff
    0xcf800-0xd27ff
atapci0
  Interrupt request lines:
    0x13
  I/O ports:
    0xf080-0xf08f
    0xf090-0xf09f
    0xf0a0-0xf0a3
    0xf0b0-0xf0b7
    0xf0c0-0xf0c3
    0xf0d0-0xf0d7
  ata2
  ata3
atapci1
  Interrupt request lines:
    0x13
  I/O ports:
    0xf020-0xf02f
    0xf030-0xf03f
    0xf040-0xf043
    0xf050-0xf057
    0xf060-0xf063
    0xf070-0xf077
  ata4
  ata5
acpi_sysresource0
acpi_sysresource1
acpi_sysresource2
uart0
  Interrupt request lines:
    0x4
  I/O ports:
    0x3f8-0x3ff
uart1
  Interrupt request lines:
    0x3
  I/O ports:
    0x2f8-0x2ff
atdma0

```

```

DMA request lines:
4
I/O ports:
0x0-0xf
0x81-0x83
0x87
0x89-0x8b
0x8f
0xc0-0xdf
attimer0
Interrupt request lines:
0x0
I/O ports:
0x40-0x43
atrtc0
Interrupt request lines:
0x8
I/O ports:
0x70-0x71
acpi_sysresource3
fpupnp0
I/O ports:
0xf0-0xff
acpi_sysresource4
acpi_sysresource5
acpi_sysresource6
hpet0
Interrupt request lines:
0x100
0x101
0x102
0x103
0x104
0x105
0x106
0x107
I/O memory addresses:
0xfed00000-0xfed003ff
pcib9
pci127
pcib10
pci128
pcib11
pci129
ioapic1
I/O memory addresses:
0xfbf20000-0xfbf20fff
acpi_sysresource7
acpi_sysresource8
pcib12
pci255
acpi_button0
pci_link0
pci_link1
pci_link2
pci_link3
pci_link4
pci_link5
pci_link6
pci_link7
acpi_sysresource9
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
cpu8
  ACPI I/O ports:
    0x415
  acpi_perf8
  est8
  p4tcc8
  cpufreq8
cpu9
  ACPI I/O ports:
    0x415
  acpi_perf9
  est9
  p4tcc9
  cpufreq9
cpu10
  ACPI I/O ports:
    0x415
  acpi_perf10
  est10
  p4tcc10
  cpufreq10
cpu11
  ACPI I/O ports:
    0x415
  acpi_perf11
  est11
  p4tcc11
  cpufreq11
acpi_sysresource10
acpi_timer0
  ACPI I/O ports:
    0x408-0x40b
```

# PCIバスデータ詳細一覧

```
hostb0@pci0:0:0:0:      class=0x060000 card=0x800b1bcf chip=0x3c008086 rev=0x06 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Xeon E5/Core i7 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(L0s/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 4
pcib1@pci0:0:1:0:      class=0x060400 card=0x800b1bcf chip=0x3c028086 rev=0x06 hdr=0x01
vendor      = 'Intel Corporation'
device      = 'Xeon E5/Core i7 IIO PCI Express Root Port 1a'
class       = bridge
subclass    = PCI-PCI
cap 0d[40]  = PCI Bridge card=0x800b1bcf
cap 05[60]  = MSI supports 2 messages, vector masks
cap 10[90]  = PCI-Express 2 root port slot max data 256(256) link x8(x8)
              speed 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 4
pcib2@pci0:0:3:0:      class=0x060400 card=0x800b1bcf chip=0x3c028086 rev=0x06 hdr=0x01
vendor      = 'Intel Corporation'
device      = 'Xeon E5/Core i7 IIO PCI Express Root Port 3a in PCI Express Mode'
class       = bridge
subclass    = PCI-PCI
cap 0d[40]  = PCI Bridge card=0x800b1bcf
cap 05[60]  = MSI supports 2 messages, vector masks
cap 10[90]  = PCI-Express 2 root port 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 4
none0@pci0:0:4:0:      class=0x088000 card=0x800b1bcf chip=0x3c208086 rev=0x06 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Xeon E5/Core i7 DMA Channel 0'
class       = base peripheral
cap 11[80]  = MSI-X supports 1 message
              Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90]  = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0]  = powerspec 3 supports D0 D3 current D0
none1@pci0:0:4:1:      class=0x088000 card=0x800b1bcf chip=0x3c218086 rev=0x06 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Xeon E5/Core i7 DMA Channel 1'
class       = base peripheral
cap 11[80]  = MSI-X supports 1 message
              Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90]  = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0]  = powerspec 3 supports D0 D3 current D0
none2@pci0:0:4:2:      class=0x088000 card=0x800b1bcf chip=0x3c228086 rev=0x06 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Xeon E5/Core i7 DMA Channel 2'
class       = base peripheral
cap 11[80]  = MSI-X supports 1 message
              Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90]  = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0]  = powerspec 3 supports D0 D3 current D0
none3@pci0:0:4:3:      class=0x088000 card=0x800b1bcf chip=0x3c238086 rev=0x06 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Xeon E5/Core i7 DMA Channel 3'
class       = base peripheral
cap 11[80]  = MSI-X supports 1 message
              Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90]  = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0]  = powerspec 3 supports D0 D3 current D0
none4@pci0:0:4:4:      class=0x088000 card=0x800b1bcf chip=0x3c248086 rev=0x06 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Xeon E5/Core i7 DMA Channel 4'
class       = base peripheral
cap 11[80]  = MSI-X supports 1 message
              Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90]  = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0]  = powerspec 3 supports D0 D3 current D0
none5@pci0:0:4:5:      class=0x088000 card=0x800b1bcf chip=0x3c258086 rev=0x06 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Xeon E5/Core i7 DMA Channel 5'
class       = base peripheral
cap 11[80]  = MSI-X supports 1 message
              Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90]  = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0]  = powerspec 3 supports D0 D3 current D0
none6@pci0:0:4:6:      class=0x088000 card=0x800b1bcf chip=0x3c268086 rev=0x06 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Xeon E5/Core i7 DMA Channel 6'
class       = base peripheral
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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=0x800b1bcf chip=0x3c278086 rev=0x06 hdr=0x00
vendor       = 'Intel Corporation'
device       = 'Xeon E5/Core i7 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=0x800b1bcf chip=0x3c288086 rev=0x06 hdr=0x00
vendor       = 'Intel Corporation'
device       = 'Xeon E5/Core i7 Address Map, VTd_Misc, System Management'
class        = base peripheral
cap 10[40] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
none9@pci:0:5:2: class=0x088000 card=0x800b1bcf chip=0x3c2a8086 rev=0x06 hdr=0x00
vendor       = 'Intel Corporation'
device       = 'Xeon E5/Core i7 Control Status and Global Errors'
class        = base peripheral
cap 10[40] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
ioapic@pci:0:5:4: class=0x080020 card=0x800b1bcf chip=0x3c2c8086 rev=0x06 hdr=0x00
vendor       = 'Intel Corporation'
device       = 'Xeon E5/Core i7 I/O APIC'
class        = base peripheral
subclass     = interrupt controller
cap 01[6c] = powerspec 3 supports D0 D3 current D0
pcib3@pci:0:17:0: class=0x060400 card=0x800b1bcf chip=0x1d3e8086 rev=0x05 hdr=0x01
vendor       = 'Intel Corporation'
device       = 'G600/X79 series chipset PCI Express Virtual Root Port'
class        = bridge
subclass     = PCI-PCI
cap 10[40] = PCI-Express 2 root port max data 128(128) link x1(x1)
             speed 2.5(2.5) ASPM disabled(L0s/L1)
cap 01[80] = powerspec 3 supports D0 D3 current D0
cap 0d[88] = PCI Bridge card=0x800b1bcf
cap 05[90] = MSI supports 1 message
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000d[138] = ACS 1
none10@pci:0:22:0: class=0x078000 card=0x800b1bcf chip=0x1d3a8086 rev=0x05 hdr=0x00
vendor       = 'Intel Corporation'
device       = 'G600/X79 series chipset MEI Controller'
class        = simple comms
cap 01[50] = powerspec 3 supports D0 D3 current D0
cap 05[8c] = MSI supports 1 message, 64 bit
none11@pci:0:22:1: class=0x078000 card=0x800b1bcf chip=0x1d3b8086 rev=0x05 hdr=0x00
vendor       = 'Intel Corporation'
device       = 'G600/X79 series chipset MEI Controller'
class        = simple comms
cap 01[50] = powerspec 3 supports D0 D3 current D0
cap 05[8c] = MSI supports 1 message, 64 bit
ehci0@pci:0:26:0: class=0x0c0320 card=0x800b1bcf chip=0x1d2d8086 rev=0x05 hdr=0x00
vendor       = 'Intel Corporation'
device       = 'G600/X79 series chipset USB2 Enhanced Host Controller'
class        = serial bus
subclass     = USB
cap 01[50] = powerspec 2 supports D0 D3 current D0
cap 0a[58] = EHCI Debug Port at offset 0xa0 in map 0x14
cap 13[98] = PCI Advanced Features: FLR TP
pcib4@pci:0:28:0: class=0x060400 card=0x800b1bcf chip=0x1d108086 rev=0xb5 hdr=0x01
vendor       = 'Intel Corporation'
device       = 'G600/X79 series chipset PCI Express Root Port 1'
class        = bridge
subclass     = PCI-PCI
cap 10[40] = PCI-Express 2 root port max data 128(128) link x2(x2)
             speed 5.0(5.0) ASPM disabled(L1)
cap 05[80] = MSI supports 1 message
cap 0d[90] = PCI Bridge card=0x800b1bcf
cap 01[a0] = powerspec 2 supports D0 D3 current D0
pcib5@pci:0:28:2: class=0x060400 card=0x800b1bcf chip=0x1d148086 rev=0xb5 hdr=0x01
vendor       = 'Intel Corporation'
device       = 'G600/X79 series chipset PCI Express Root Port 3'
class        = bridge
subclass     = PCI-PCI
cap 10[40] = PCI-Express 2 root port max data 128(128) link x1(x1)
             speed 2.5(5.0) ASPM disabled(L1)
cap 05[80] = MSI supports 1 message
cap 0d[90] = PCI Bridge card=0x800b1bcf
cap 01[a0] = powerspec 2 supports D0 D3 current D0
pcib6@pci:0:28:3: class=0x060400 card=0x800b1bcf chip=0x1d168086 rev=0xb5 hdr=0x01
vendor       = 'Intel Corporation'
device       = 'G600/X79 series chipset PCI Express Root Port 4'
class        = bridge
subclass     = PCI-PCI
cap 10[40] = PCI-Express 2 root port max data 128(128) link x0(x1)
             speed 0.0(5.0) ASPM disabled(L1)
cap 05[80] = MSI supports 1 message
cap 0d[90] = PCI Bridge card=0x800b1bcf
cap 01[a0] = powerspec 2 supports D0 D3 current D0
pcib7@pci:0:28:4: class=0x060400 card=0x800b1bcf chip=0x1d188086 rev=0xb5 hdr=0x01
vendor       = 'Intel Corporation'
device       = 'G600/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 x0(x4)
             speed 0.0(5.0) ASPM disabled(L1)
cap 05[80] = MSI supports 1 message
cap 0d[90] = PCI Bridge card=0x800b1bcf
cap 01[a0] = powerspec 2 supports D0 D3 current D0
ehci1@pci:0:29:0: class=0x0c0320 card=0x800b1bcf chip=0x1d268086 rev=0x05 hdr=0x00
vendor       = 'Intel Corporation'

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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
pci88@pci:0:3:0: class=0x060401 card=0x800b1bcf chip=0x244e8086 rev=0xa5 hdr=0x01
vendor = 'Intel Corporation'
device = '82801 PCI Bridge'
class = bridge
subclass = PCI-PCI
cap 0d[50] = PCI Bridge card=0x800b1bcf
isab0@pci:0:3:1:0: class=0x060100 card=0x800b1bcf 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:0:3:1:2: class=0x01018f card=0x800b1bcf chip=0x1d088086 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:0:3:1:3: class=0x0c0500 card=0x800b1bcf chip=0x1d228086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset SMBus Host Controller'
class = serial bus
subclass = SMBus
atapci1@pci:0:3:1:5: class=0x010185 card=0x800b1bcf 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
mfi0@pci:0:16:0:0: class=0x010400 card=0x92671000 chip=0x005b1000 rev=0x01 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 5.0(5.0) 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:0:8:0:0: class=0x020000 card=0x800b1bcf chip=0x165714e4 rev=0x01 hdr=0x00
vendor = 'Broadcom Corporation'
device = 'NetXtreme BCM5719 Gigabit Ethernet PCIe'
class = network
subclass = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
Table in map 0x20[0x0], PBA in map 0x20[0x120]
cap 10[ac] = PCI-Express 2 endpoint max data 128(256) FLR link x2(x4)
speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 0000902b34ba033c
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
ecap 0017[230] = TPH Requester 1
bge1@pci:0:8:0:1: class=0x020000 card=0x800b1bcf chip=0x165714e4 rev=0x01 hdr=0x00
vendor = 'Broadcom Corporation'
device = 'NetXtreme BCM5719 Gigabit Ethernet PCIe'
class = network
subclass = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
Table in map 0x20[0x0], PBA in map 0x20[0x120]
cap 10[ac] = PCI-Express 2 endpoint max data 128(256) FLR link x2(x4)
speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 0000902b34ba033d
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
ecap 0017[230] = TPH Requester 1
bge2@pci:0:8:0:2: class=0x020000 card=0x800b1bcf chip=0x165714e4 rev=0x01 hdr=0x00
vendor = 'Broadcom Corporation'
device = 'NetXtreme BCM5719 Gigabit Ethernet PCIe'
class = network
subclass = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
Table in map 0x20[0x0], PBA in map 0x20[0x120]
cap 10[ac] = PCI-Express 2 endpoint max data 128(256) FLR link x2(x4)
speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected

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ecap 0003[13c] = Serial 1 0000902b34ba033e
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
ecap 0017[230] = TPH Requester 1
bge3@pci:8:0:3: class=0x020000 card=0x800b1bcf chip=0x165714e4 rev=0x01 hdr=0x00
vendor = 'Broadcom Corporation'
device = 'NetXtreme BCM5719 Gigabit Ethernet PCIe'
class = network
subclass = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
Table in map 0x20[0x0], PBA in map 0x20[0x120]
cap 10[ac] = PCI-Express 2 endpoint max data 128(256) FLR link x2(x4)
speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 0000902b34ba033f
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
ecap 0017[230] = TPH Requester 1
vgapci0@pci:125:0:0: class=0x030000 card=0x800b1bcf chip=0x0522102b rev=0x02 hdr=0x00
vendor = 'Matrox Electronics Systems Ltd.'
device = 'MGA G200e [Pilot] ServerEngines (SEP1)'
class = display
subclass = VGA
cap 01[dc] = powerspec 2 supports D0 D3 current D0
cap 10[e4] = PCI-Express 1 legacy endpoint max data 128(256) link x1(x1)
speed 2.5(2.5) ASPM disabled(L0s)
cap 05[54] = MSI supports 1 message
none13@pci:127:8:0: class=0x088000 card=0x800b1bcf chip=0x3c808086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 QPI Link 0'
class = base peripheral
none14@pci:127:8:3: class=0x088000 card=0x800b1bcf chip=0x3c838086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 QPI Link Reut 0'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
ecap 000b[100] = Vendor 0
none15@pci:127:8:4: class=0x088000 card=0x800b1bcf chip=0x3c848086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 QPI Link Reut 0'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none16@pci:127:9:0: class=0x088000 card=0x800b1bcf chip=0x3c908086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 QPI Link 1'
class = base peripheral
none17@pci:127:9:3: class=0x088000 card=0x800b1bcf chip=0x3c938086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 QPI Link Reut 1'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
ecap 000b[100] = Vendor 0
none18@pci:127:9:4: class=0x088000 card=0x800b1bcf chip=0x3c948086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 QPI Link Reut 1'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none19@pci:127:10:0: class=0x088000 card=0x800b1bcf chip=0x3cc08086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Power Control Unit 0'
class = base peripheral
none20@pci:127:10:1: class=0x088000 card=0x800b1bcf chip=0x3cc18086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Power Control Unit 1'
class = base peripheral
none21@pci:127:10:2: class=0x088000 card=0x800b1bcf chip=0x3cc28086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Power Control Unit 2'
class = base peripheral
none22@pci:127:10:3: class=0x088000 card=0x800b1bcf chip=0x3cd08086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Power Control Unit 3'
class = base peripheral
none23@pci:127:11:0: class=0x088000 card=0x800b1bcf chip=0x3ce08086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Interrupt Control Registers'
class = base peripheral
none24@pci:127:11:3: class=0x088000 card=0x800b1bcf chip=0x3ce38086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Semaphore and Scratchpad Configuration Registers'
class = base peripheral
none25@pci:127:12:0: class=0x088000 card=0x800b1bcf chip=0x3ce88086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Unicast Register 0'
class = base peripheral
none26@pci:127:12:1: class=0x088000 card=0x800b1bcf chip=0x3ce88086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Unicast Register 0'
class = base peripheral
none27@pci:127:12:2: class=0x088000 card=0x800b1bcf chip=0x3ce88086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Unicast Register 0'
class = base peripheral
none28@pci:127:12:6: class=0x088000 card=0x800b1bcf chip=0x3cf48086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller System Address Decoder 0'
class = base peripheral
none29@pci:127:12:7: class=0x088000 card=0x800b1bcf chip=0x3cf68086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'

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device = 'Xeon E5/Core i7 System Address Decoder'
class = base peripheral
none30@pci:127:13:0: class=0x088000 card=0x800b1bcf chip=0x3ce88086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Unicast Register 0'
class = base peripheral
none31@pci:127:13:1: class=0x088000 card=0x800b1bcf chip=0x3ce88086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Unicast Register 0'
class = base peripheral
none32@pci:127:13:2: class=0x088000 card=0x800b1bcf chip=0x3ce88086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Unicast Register 0'
class = base peripheral
none33@pci:127:13:6: class=0x088000 card=0x800b1bcf chip=0x3cf58086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller System Address Decoder 1'
class = base peripheral
none34@pci:127:14:0: class=0x088000 card=0x800b1bcf chip=0x3ca88086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Processor Home Agent'
class = base peripheral
none35@pci:127:14:1: class=0x110100 card=0x800b1bcf chip=0x3c468086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Processor Home Agent Performance Monitoring'
class = dasp
none36@pci:127:15:0: class=0x088000 card=0x800b1bcf chip=0x3ca88086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none37@pci:127:15:1: class=0x088000 card=0x800b1bcf chip=0x3c718086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller RAS Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none38@pci:127:15:2: class=0x088000 card=0x800b1bcf chip=0x3caa8086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 0'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none39@pci:127:15:3: class=0x088000 card=0x800b1bcf chip=0x3cab8086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 1'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none40@pci:127:15:4: class=0x088000 card=0x800b1bcf chip=0x3cac8086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 2'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none41@pci:127:15:5: class=0x088000 card=0x800b1bcf chip=0x3cad8086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 3'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none42@pci:127:15:6: class=0x088000 card=0x800b1bcf chip=0x3cae8086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 4'
class = base peripheral
none43@pci:127:16:0: class=0x088000 card=0x800b1bcf chip=0x3cb08086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller Channel 0-3 Thermal Control 0'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none44@pci:127:16:1: class=0x088000 card=0x800b1bcf chip=0x3cb18086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller Channel 0-3 Thermal Control 1'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none45@pci:127:16:2: class=0x088000 card=0x800b1bcf chip=0x3cb28086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 0'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none46@pci:127:16:3: class=0x088000 card=0x800b1bcf chip=0x3cb38086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 1'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none47@pci:127:16:5: class=0x088000 card=0x800b1bcf chip=0x3cb58086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller Channel 0-3 Thermal Control 3'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none48@pci:127:16:6: class=0x088000 card=0x800b1bcf chip=0x3cb68086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 2'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none49@pci:127:16:7: class=0x088000 card=0x800b1bcf chip=0x3cb78086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 3'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none50@pci:127:17:0: class=0x088000 card=0x800b1bcf chip=0x3cb88086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 DDRIO'
class = base peripheral
none51@pci:127:19:0: class=0x088000 card=0x800b1bcf chip=0x3ce48086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 R2PCIe'

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```

class = base peripheral
none52@pci:0:127:19:1: class=0x110100 card=0x800b1bcf chip=0x3c438086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Ring to PCI Express Performance Monitor'
class = dasp
none53@pci:0:127:19:4: class=0x110100 card=0x800b1bcf chip=0x3ce68086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 QuickPath Interconnect Agent Ring Registers'
class = dasp
none54@pci:0:127:19:5: class=0x110100 card=0x800b1bcf chip=0x3c448086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Ring to QuickPath Interconnect Link 0 Performance Monitor'
class = dasp
none55@pci:0:127:19:6: class=0x088000 card=0x800b1bcf chip=0x3c458086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Ring to QuickPath Interconnect Link 1 Performance Monitor'
class = base peripheral
pcib11@pci:0:128:0:0: class=0x060400 card=0x800b1bcf chip=0x3c018086 rev=0x06 hdr=0x01
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 DMI2 in PCI Express Mode'
class = bridge
subclass = PCI-PCI
cap 0d[40] = PCI Bridge card=0x800b1bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port max data 128(128) link x0(x4)
speed 0.0(2.5) ASPM disabled(L0s/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 4
none56@pci:0:128:4:0: class=0x088000 card=0x800b1bcf chip=0x3c208086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 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
none57@pci:0:128:4:1: class=0x088000 card=0x800b1bcf chip=0x3c218086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 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
none58@pci:0:128:4:2: class=0x088000 card=0x800b1bcf chip=0x3c228086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 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
none59@pci:0:128:4:3: class=0x088000 card=0x800b1bcf chip=0x3c238086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 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
none60@pci:0:128:4:4: class=0x088000 card=0x800b1bcf chip=0x3c248086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 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
none61@pci:0:128:4:5: class=0x088000 card=0x800b1bcf chip=0x3c258086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 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
none62@pci:0:128:4:6: class=0x088000 card=0x800b1bcf chip=0x3c268086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 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
none63@pci:0:128:4:7: class=0x088000 card=0x800b1bcf chip=0x3c278086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 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
none64@pci:0:128:5:0: class=0x088000 card=0x800b1bcf chip=0x3c288086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Address Map, VTd_Misc, System Management'
class = base peripheral
cap 10[40] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
none65@pci:0:128:5:2: class=0x088000 card=0x800b1bcf chip=0x3c2a8086 rev=0x06 hdr=0x00

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```

vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Control Status and Global Errors'
class = base peripheral
cap 10[40] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
ioapic@pci0:128:5:4: class=0x088000 card=0x800b1bcf chip=0x3c2c8086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 I/O APIC'
class = base peripheral
subclass = interrupt controller
cap 01[6c] = powerspec 3 supports D0 D3 current D0
none66@pci0:255:8:0: class=0x088000 card=0x800b1bcf chip=0x3c808086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 QPI Link 0'
class = base peripheral
none67@pci0:255:8:3: class=0x088000 card=0x800b1bcf chip=0x3c838086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 QPI Link Reut 0'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
ecap 000b[100] = Vendor 0
none68@pci0:255:8:4: class=0x088000 card=0x800b1bcf chip=0x3c848086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 QPI Link Reut 0'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none69@pci0:255:9:0: class=0x088000 card=0x800b1bcf chip=0x3c908086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 QPI Link 1'
class = base peripheral
none70@pci0:255:9:3: class=0x088000 card=0x800b1bcf chip=0x3c938086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 QPI Link Reut 1'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
ecap 000b[100] = Vendor 0
none71@pci0:255:9:4: class=0x088000 card=0x800b1bcf chip=0x3c948086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 QPI Link Reut 1'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none72@pci0:255:10:0: class=0x088000 card=0x800b1bcf chip=0x3cc08086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Power Control Unit 0'
class = base peripheral
none73@pci0:255:10:1: class=0x088000 card=0x800b1bcf chip=0x3cc18086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Power Control Unit 1'
class = base peripheral
none74@pci0:255:10:2: class=0x088000 card=0x800b1bcf chip=0x3cc28086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Power Control Unit 2'
class = base peripheral
none75@pci0:255:10:3: class=0x088000 card=0x800b1bcf chip=0x3cd08086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Power Control Unit 3'
class = base peripheral
none76@pci0:255:11:0: class=0x088000 card=0x800b1bcf chip=0x3ce08086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Interrupt Control Registers'
class = base peripheral
none77@pci0:255:11:3: class=0x088000 card=0x800b1bcf chip=0x3ce38086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Semaphore and Scratchpad Configuration Registers'
class = base peripheral
none78@pci0:255:12:0: class=0x088000 card=0x800b1bcf chip=0x3ce88086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Unicast Register 0'
class = base peripheral
none79@pci0:255:12:1: class=0x088000 card=0x800b1bcf chip=0x3ce88086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Unicast Register 0'
class = base peripheral
none80@pci0:255:12:2: class=0x088000 card=0x800b1bcf chip=0x3ce88086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Unicast Register 0'
class = base peripheral
none81@pci0:255:12:6: class=0x088000 card=0x800b1bcf chip=0x3cf48086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller System Address Decoder 0'
class = base peripheral
none82@pci0:255:12:7: class=0x088000 card=0x800b1bcf chip=0x3cf68086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 System Address Decoder'
class = base peripheral
none83@pci0:255:13:0: class=0x088000 card=0x800b1bcf chip=0x3ce88086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Unicast Register 0'
class = base peripheral
none84@pci0:255:13:1: class=0x088000 card=0x800b1bcf chip=0x3ce88086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Unicast Register 0'
class = base peripheral
none85@pci0:255:13:2: class=0x088000 card=0x800b1bcf chip=0x3ce88086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Unicast Register 0'
class = base peripheral
none86@pci0:255:13:6: class=0x088000 card=0x800b1bcf chip=0x3cf58086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller System Address Decoder 1'
class = base peripheral
none87@pci0:255:14:0: class=0x088000 card=0x800b1bcf chip=0x3ca08086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'

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device = 'Xeon E5/Core i7 Processor Home Agent'
class = base peripheral
none88@pci:255:14:1: class=0x110100 card=0x800b1bcf chip=0x3c468086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Processor Home Agent Performance Monitoring'
class = dasp
none89@pci:255:15:0: class=0x088000 card=0x800b1bcf chip=0x3ca88086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none90@pci:255:15:1: class=0x088000 card=0x800b1bcf chip=0x3c718086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller RAS Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none91@pci:255:15:2: class=0x088000 card=0x800b1bcf chip=0x3caa8086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 0'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none92@pci:255:15:3: class=0x088000 card=0x800b1bcf chip=0x3cab8086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 1'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none93@pci:255:15:4: class=0x088000 card=0x800b1bcf chip=0x3cac8086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 2'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none94@pci:255:15:5: class=0x088000 card=0x800b1bcf chip=0x3cad8086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 3'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none95@pci:255:15:6: class=0x088000 card=0x800b1bcf chip=0x3cae8086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller Target Address Decoder 4'
class = base peripheral
none96@pci:255:16:0: class=0x088000 card=0x800b1bcf chip=0x3cb08086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller Channel 0-3 Thermal Control 0'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none97@pci:255:16:1: class=0x088000 card=0x800b1bcf chip=0x3cb18086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller Channel 0-3 Thermal Control 1'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none98@pci:255:16:2: class=0x088000 card=0x800b1bcf chip=0x3cb28086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 0'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none99@pci:255:16:3: class=0x088000 card=0x800b1bcf chip=0x3cb38086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 1'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none100@pci:255:16:5: class=0x088000 card=0x800b1bcf chip=0x3cb58086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller Channel 0-3 Thermal Control 3'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none101@pci:255:16:6: class=0x088000 card=0x800b1bcf chip=0x3cb68086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 2'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none102@pci:255:16:7: class=0x088000 card=0x800b1bcf chip=0x3cb78086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Integrated Memory Controller ERROR Registers 3'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none103@pci:255:17:0: class=0x088000 card=0x800b1bcf chip=0x3cb88086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 DDRIO'
class = base peripheral
none104@pci:255:19:0: class=0x088000 card=0x800b1bcf chip=0x3ce48086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 R2PCIe'
class = base peripheral
none105@pci:255:19:1: class=0x110100 card=0x800b1bcf chip=0x3c438086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Ring to PCI Express Performance Monitor'
class = dasp
none106@pci:255:19:4: class=0x110100 card=0x800b1bcf chip=0x3ce68086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 QuickPath Interconnect Agent Ring Registers'
class = dasp
none107@pci:255:19:5: class=0x110100 card=0x800b1bcf chip=0x3c448086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Ring to QuickPath Interconnect Link 0 Performance Monitor'
class = dasp
none108@pci:255:19:6: class=0x088000 card=0x800b1bcf chip=0x3c458086 rev=0x06 hdr=0x00
vendor = 'Intel Corporation'
device = 'Xeon E5/Core i7 Ring to QuickPath Interconnect Link 1 Performance Monitor'
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=0x7de05080, length=36, cksum=175
XSDT: Length=124, Revision=1, Checksum=48,
  OEMID=ALASKA, OEM Table ID=05CE, OEM Revision=0x1072009,
  Creator ID=AMI, Creator Revision=0x10013
  Entries={ 0x7de0f110, 0x7de0f208, 0x7de0f318, 0x7de0f358, 0x7de0f6c8, 0x7de0f6f8, 0x7de0f730, 0x7de0f7f0, 0x7de7f8f8, 0x7de7f948, 0x7de7fa70 }
FACP: Length=244, Revision=4, Checksum=66,
  OEMID=ALASKA, OEM Table ID=05CE, OEM Revision=0x1072009,
  Creator ID=AMI, Creator Revision=0x10013
  FACS=0x7f7b5f80, DSDT=0x7de05188
  INT_MODEL=APIC
  Preferred_PM_Profile=Workstation (3)
  SCI_INT=9
  SMI_CMD=0xb2, ACPI_ENABLE=0xa0, ACPI_DISABLE=0xa1, S4BIOS_REQ=0x0
  PSTATE_CNT=0x0
  PM1a_EVT_BLK=0x400-0x403
  PM1a_CNT_BLK=0x404-0x405
  PM2_CNT_BLK=0x450-0x450
  PM_TMR_BLK=0x408-0x40b
  GPE0_BLK=0x420-0x42f
  P_LVL2_LAT=101 us, P_LVL3_LAT=1001 us
  FLUSH_SIZE=1024, FLUSH_STRIDE=16
  DUTY_OFFSET=1, DUTY_WIDTH=3
  DAY_ALARM=13, MON_ALARM=0, CENTURY=50
  IAPC_BOOT_ARCH={LEGACY_DEVICES,NO_ASPM}
  Flags={WBINVD,C1_SUPPORTED,C2_MP_SUPPORTED,SLEEP_BUTTON,S4_RTC_WAKE,RESET_REGISTER,PLATFORM_CLOCK,S4_RTC_VALID,REMOTE_POWER_ON}
  RESET_REG=0x50d:0[8] (IO), RESET_VALUE=0xee
FACS: Length=64, HwSig=0x00000000, Firm_Wake_Vec=0x00000000
  Global_Lock=
  Flags=
  Version=2
DSDT: Length=40836, Revision=2, Checksum=240,
  OEMID=ALASKA, OEM Table ID=05CE, OEM Revision=0x15,
  Creator ID=INTL, Creator Revision=0x20091112
APIC: Length=268, Revision=3, Checksum=247,
  OEMID=ALASKA, OEM Table ID=05CE, 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=8
  Type=Local APIC
  ACPI CPU=5
  Flags={ENABLED}
  APIC ID=10
  Type=Local APIC
  ACPI CPU=6
  Flags={ENABLED}
  APIC ID=32
  Type=Local APIC
  ACPI CPU=7
  Flags={ENABLED}
  APIC ID=34
  Type=Local APIC
  ACPI CPU=8
  Flags={ENABLED}
  APIC ID=36
  Type=Local APIC
  ACPI CPU=9
  Flags={ENABLED}
  APIC ID=38
  Type=Local APIC
  ACPI CPU=10
  Flags={ENABLED}
  APIC ID=40
  Type=Local APIC
  ACPI CPU=11
  Flags={ENABLED}
  APIC ID=42
  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}
Type=Local APIC NMI
ACPI CPU=8
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=9
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=10
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=11
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
MCFG: Length=60, Revision=1, Checksum=76,
OEMID=ALASKA, OEM Table ID=OEMMCFG., OEM Revision=0x1072009,
Creator ID=MSFT, Creator Revision=0x97
Base Address=0x0000000080000000
Segment Group=0x0000
Start Bus=0
End Bus=255
SRAT: Length=880, Revision=1, Checksum=251,
OEMID=A M I, OEM Table ID=AMI SRAT, OEM Revision=0x1,
Creator ID=AMI., Creator Revision=0x0
Table Revision=1
Type=CPU
Flags={ENABLED}
APIC ID=0
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=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=8
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=10
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=32
Proximity Domain=1
Type=CPU
Flags={ENABLED}

```



HPET: Length=56, Revision=1, Checksum=96,  
 OEMID=ALASKA, OEM Table ID=05CE, OEM Revision=0x1072009,  
 Creator ID=AMI., Creator Revision=0x5  
 HPET Number=0  
 ADDR=0xfed00000:0[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=459012, Revision=2, Checksum=27,  
 OEMID=INTEL, OEM Table ID=CpuPm, OEM Revision=0x4000,  
 Creator ID=INTL, Creator Revision=0x20051117

SPCR: Length=80, Revision=1, Checksum=97,  
 OEMID=A M I, OEM Table ID=PTIO4, OEM Revision=0x1072009,  
 Creator ID=AMI., Creator Revision=0x5

DMAR: Length=296, Revision=1, Checksum=0,  
 OEMID=A M I, OEM Table ID=OEMDMAR, OEM Revision=0x1,  
 Creator ID=INTL, Creator Revision=0x1  
 Host Address Width=46  
 Flags={INTR\_REMAP}  
 Type=DRHD  
 Length=96  
 Flags=  
 Segment=0  
 Address=0xfbf00000

- Type=IOAPIC
  - Length=8
  - EnumerationId=3
  - StartBusNumber=128
  - Path={5:4}
  - Type=PCI Sub-Hierarchy
  - Length=8
  - EnumerationId=0
  - StartBusNumber=128
  - Path={0:0}
  - Type=PCI Endpoint Device
  - Length=8
  - EnumerationId=0
  - StartBusNumber=128
  - Path={4:0}
  - Type=PCI Endpoint Device
  - Length=8
  - EnumerationId=0
  - StartBusNumber=128
  - Path={4:1}
  - Type=PCI Endpoint Device
  - Length=8
  - EnumerationId=0
  - StartBusNumber=128
  - Path={4:2}
  - Type=PCI Endpoint Device
  - Length=8
  - EnumerationId=0
  - StartBusNumber=128
  - Path={4:3}
  - Type=PCI Endpoint Device
  - Length=8
  - EnumerationId=0
  - StartBusNumber=128
  - Path={4:4}
  - Type=PCI Endpoint Device
  - Length=8
  - EnumerationId=0
  - StartBusNumber=128
  - Path={4:5}
  - Type=PCI Endpoint Device
  - Length=8
  - EnumerationId=0
  - StartBusNumber=128
  - Path={4:6}
  - Type=PCI Endpoint Device
  - Length=8
  - EnumerationId=0
  - StartBusNumber=128
  - Path={4:7}

Type=DRHD  
 Length=40  
 Flags={INCLUDE\_ALL}  
 Segment=0  
 Address=0xe7ffc000

- Type=IOAPIC
  - Length=8
  - EnumerationId=0
  - StartBusNumber=0
  - Path={31:7}
- Type=IOAPIC
  - Length=8
  - EnumerationId=2
  - StartBusNumber=0
  - Path={5:4}
- Type=HPET
  - Length=8
  - EnumerationId=0
  - StartBusNumber=240
  - Path={15:0}

Type=RMRR  
 Length=40  
 Segment=0



```
BaseAddress=0x7de87000
LimitAddress=0x7deaefff
  Type=PCI Endpoint Device
  Length=8
  EnumerationId=0
  StartBusNumber=0
  Path={29:0}
  Type=PCI Endpoint Device
  Length=8
  EnumerationId=0
  StartBusNumber=0
  Path={26:0}
Type=ATSR
Length=32
Flags=
Segment=0
  Type=PCI Sub-Hierarchy
  Length=8
  EnumerationId=0
  StartBusNumber=0
  Path={1:0}
  Type=PCI Sub-Hierarchy
  Length=8
  EnumerationId=0
  StartBusNumber=0
  Path={3:0}
  Type=PCI Sub-Hierarchy
  Length=8
  EnumerationId=0
  StartBusNumber=128
  Path={0:0}
Type=RHSA
Length=20
BaseAddress=0xfbfef000
ProximityDomain=0x00000001
Type=RHSA
Length=20
BaseAddress=0xe7ffc000
ProximityDomain=0x00000000
BERT: Length=48, Revision=1, Checksum=4,
OEMID=AMI, OEM Table ID=AMI BERT, OEM Revision=0x0,
Creator ID=, Creator Revision=0x0
```

# ネットワークインターフェースデータ詳細一覧

```
bge0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>
ether 90:2b:34:ba:03:3c
inet 192.168.1.39 netmask 0xfffff00 broadcast 192.168.1.255
nd6 options=29<PERFORMNUD,IFDISABLED,AUTO_LINKLOCAL>
media: Ethernet autoselect (1000baseT <full-duplex,master>)
status: active

bge1: flags=8802<BROADCAST,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>
ether 90:2b:34:ba:03:3d
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 90:2b:34:ba:03:3e
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 90:2b:34:ba:03:3f
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 0xff000000
nd6 options=21<PERFORMNUD,AUTO_LINKLOCAL>
```

# デバイス認識詳細一覧

2	1 dr-xr-xr-x	9 root	wheel	512 Apr 19 13:19 /dev
96	0 lrwxr-xr-x	1 root	wheel	12 Apr 19 13:19 /dev/log -> /var/run/log
111	0 lrwxr-xr-x	1 root	wheel	12 Apr 19 13:19 /dev/dumpdev -> /dev/mfid0p3
3	0 cr--r--r--	1 root	wheel	0x3 Apr 19 13:15 /dev/sndstat
4	0 crw-r-----	1 root	operator	0x4 Apr 19 13:15 /dev/geom.ctl
5	0 crw-----	1 root	wheel	0x5 Apr 19 13:15 /dev/devctl
6	0 crw-----	1 root	wheel	0x6 Apr 19 14:55 /dev/console
7	0 crw-----	1 root	wheel	0x7 Apr 19 13:15 /dev/kbdmux0
8	0 lrwxr-xr-x	1 root	wheel	7 Apr 19 13:15 /dev/kbd1 -> kbdmux0
9	0 crw-rw-rw-	1 root	wheel	0x9 Apr 19 13:15 /dev/tty
10	0 crw-r-----	1 root	kmem	0xa Apr 19 13:15 /dev/mem
11	0 crw-r-----	1 root	kmem	0xb Apr 19 13:15 /dev/kmem
12	0 crw-----	1 root	wheel	0xc Apr 19 13:15 /dev/fido
13	0 crw-----	1 root	wheel	0xd Apr 19 13:19 /dev/bpf
14	0 lrwxr-xr-x	1 root	wheel	3 Apr 19 13:15 /dev/bpf0 -> bpf
15	0 crw-rw-rw-	1 root	wheel	0xf Apr 19 14:55 /dev/null
16	0 crw-rw-rw-	1 root	wheel	0x10 Apr 19 13:15 /dev/zero
17	0 crw-r--r--	1 root	wheel	0x11 Apr 19 13:15 /dev/pci
18	0 crw-----	1 root	kmem	0x12 Apr 19 13:15 /dev/nfslock
19	0 crw-----	1 root	kmem	0x13 Apr 19 13:15 /dev/audit
20	0 crw-rw-rw-	1 root	wheel	0x14 Apr 19 13:19 /dev/random
21	0 lrwxr-xr-x	1 root	wheel	6 Apr 19 13:15 /dev/urandom -> random
102	1 dr-xr-xr-x	2 root	wheel	512 Apr 19 13:15 /dev/fd
22	0 crw-rw-rw-	1 root	wheel	0x16 Apr 19 13:15 /dev/fd/0
24	0 crw-rw-rw-	1 root	wheel	0x18 Apr 19 13:15 /dev/fd/1
26	0 crw-rw-rw-	1 root	wheel	0x1a Apr 19 13:15 /dev/fd/2
23	0 lrwxr-xr-x	1 root	wheel	4 Apr 19 13:15 /dev/stdin -> fd/0
25	0 lrwxr-xr-x	1 root	wheel	4 Apr 19 13:15 /dev/stdout -> fd/1
27	0 lrwxr-xr-x	1 root	wheel	4 Apr 19 13:15 /dev/stderr -> fd/2
28	0 crw-----	1 root	wheel	0x1c Apr 19 13:15 /dev/io
29	0 crw-rw-rw-	1 root	wheel	0x1d Apr 19 13:15 /dev/midstat
30	0 crw-----	1 root	wheel	0x1e Apr 19 13:15 /dev/synmose
31	0 crw-----	1 root	wheel	0x1f Apr 19 13:15 /dev/klog
32	0 crw-r--r--	1 root	wheel	0x20 Apr 19 13:15 /dev/acpi
33	0 crw-rw-rw-	1 root	operator	0x21 Apr 19 13:15 /dev/apmctl
34	0 crw-rw-rw-	1 root	operator	0x22 Apr 19 13:15 /dev/apm
35	0 crw-r-----	1 root	operator	0x23 Apr 19 13:15 /dev/mfi0
36	0 lrwxr-xr-x	1 root	wheel	4 Apr 19 13:15 /dev/megaraid_sas_ioctl_node -> mfi0
37	0 crw-----	1 root	wheel	0x25 Apr 19 13:15 /dev/ttyu0
38	0 crw-----	1 root	wheel	0x26 Apr 19 13:15 /dev/ttyu0.init
39	0 crw-----	1 root	wheel	0x27 Apr 19 13:15 /dev/ttyu0.lock
40	0 crw-rw-rw-	1 uucp	dialer	0x28 Apr 19 13:15 /dev/cua0
41	0 crw-rw-rw-	1 uucp	dialer	0x29 Apr 19 13:15 /dev/cua0.init
42	0 crw-rw-rw-	1 uucp	dialer	0x2a Apr 19 13:15 /dev/cua0.lock
43	0 crw-----	1 root	wheel	0x2b Apr 19 13:15 /dev/tty1
44	0 crw-----	1 root	wheel	0x2c Apr 19 13:15 /dev/tty1.init
45	0 crw-----	1 root	wheel	0x2d Apr 19 13:15 /dev/tty1.lock
46	0 crw-rw-rw-	1 uucp	dialer	0x2e Apr 19 13:15 /dev/cua1
47	0 crw-rw-rw-	1 uucp	dialer	0x2f Apr 19 13:15 /dev/cua1.init
48	0 crw-rw-rw-	1 uucp	dialer	0x30 Apr 19 13:15 /dev/cua1.lock
49	0 crw-----	1 root	tty	0x31 Apr 19 14:55 /dev/ttyv0
50	0 crw-----	1 root	wheel	0x32 Apr 19 13:19 /dev/ttyv1
51	0 crw-----	1 root	wheel	0x33 Apr 19 13:19 /dev/ttyv2
52	0 crw-----	1 root	wheel	0x34 Apr 19 13:19 /dev/ttyv3
53	0 crw-----	1 root	wheel	0x35 Apr 19 13:19 /dev/ttyv4
54	0 crw-----	1 root	wheel	0x36 Apr 19 13:19 /dev/ttyv5
55	0 crw-----	1 root	wheel	0x37 Apr 19 13:19 /dev/ttyv6
56	0 crw-----	1 root	wheel	0x38 Apr 19 13:19 /dev/ttyv7
57	0 crw-----	1 root	wheel	0x39 Apr 19 13:15 /dev/ttyv8
58	0 crw-----	1 root	wheel	0x3a Apr 19 13:15 /dev/ttyv9
59	0 crw-----	1 root	wheel	0x3b Apr 19 13:15 /dev/ttyv
60	0 crw-----	1 root	wheel	0x3c Apr 19 13:15 /dev/ttyvb
61	0 crw-----	1 root	wheel	0x3d Apr 19 13:15 /dev/ttyvc
62	0 crw-----	1 root	wheel	0x3e Apr 19 13:15 /dev/ttyvd
63	0 crw-----	1 root	wheel	0x3f Apr 19 13:15 /dev/ttyve
64	0 crw-----	1 root	wheel	0x40 Apr 19 13:15 /dev/ttyvf
65	0 crw-----	1 root	wheel	0x41 Apr 19 13:15 /dev/conslectl
66	0 crw-----	1 root	wheel	0x42 Apr 19 13:15 /dev/ufssuspend
68	0 crw-r--r--	1 root	operator	0x44 Apr 19 13:15 /dev/usbctl
69	0 crw-----	1 root	operator	0x45 Apr 19 13:15 /dev/xpt0
70	0 crw-----	1 root	wheel	0x46 Apr 19 13:15 /dev/mdctl
103	1 dr-xr-xr-x	2 root	wheel	512 Apr 19 13:15 /dev/usb
71	0 crw-----	1 root	operator	0x47 Apr 19 13:15 /dev/usb/0.1.0
73	0 crw-----	1 root	operator	0x49 Apr 19 13:15 /dev/usb/1.1.0
75	0 crw-----	1 root	operator	0x4b Apr 19 13:15 /dev/usb/0.1.1
76	0 crw-----	1 root	operator	0x4c Apr 19 13:15 /dev/usb/1.1.1
78	0 crw-----	1 root	operator	0x4e Apr 19 13:15 /dev/usb/0.2.0
80	0 crw-----	1 root	operator	0x50 Apr 19 13:15 /dev/usb/1.2.0
82	0 crw-----	1 root	operator	0x52 Apr 19 13:15 /dev/usb/0.2.1
83	0 crw-----	1 root	operator	0x53 Apr 19 13:15 /dev/usb/1.2.1
84	0 crw-----	1 root	operator	0x54 Apr 19 13:15 /dev/usb/1.3.0
86	0 crw-----	1 root	operator	0x56 Apr 19 13:15 /dev/usb/1.3.1
87	0 crw-----	1 root	operator	0x57 Apr 19 13:15 /dev/usb/1.3.2
98	0 crw-----	1 root	operator	0x62 Apr 19 13:15 /dev/usb/1.4.0
100	0 crw-----	1 root	operator	0x64 Apr 19 13:15 /dev/usb/1.4.3
101	0 crw-----	1 root	operator	0x65 Apr 19 13:15 /dev/usb/1.4.4
97	0 crw-----	1 root	operator	0x61 Apr 19 14:54 /dev/usb/0.3.0
115	0 crw-----	1 root	operator	0x73 Apr 14:54 /dev/usb/0.3.1
116	0 crw-----	1 root	operator	0x74 Apr 14:54 /dev/usb/0.4.0
118	0 crw-----	1 root	operator	0x76 Apr 14:54 /dev/usb/0.4.1
121	0 crw-----	1 root	operator	0x79 Apr 14:54 /dev/usb/0.5.0
123	0 crw-----	1 root	operator	0x7b Apr 14:54 /dev/usb/0.5.1
124	0 crw-----	1 root	operator	0x7c Apr 14:54 /dev/usb/0.5.2
72	0 lrwxr-xr-x	1 root	wheel	9 Apr 19 13:15 /dev/ugen0.1 -> usb/0.1.0
74	0 lrwxr-xr-x	1 root	wheel	9 Apr 19 13:15 /dev/ugen1.1 -> usb/1.1.0
77	0 cr-----	1 root	wheel	0x4d Apr 19 13:15 /dev/devstat

79	0 lrwxr-xr-x	1 root	wheel	9 Apr 19 13:15	/dev/ugen0.2 -> usb/0.2.0
81	0 lrwxr-xr-x	1 root	wheel	9 Apr 19 13:15	/dev/ugen1.2 -> usb/1.2.0
85	0 lrwxr-xr-x	1 root	wheel	9 Apr 19 13:15	/dev/ugen1.3 -> usb/1.3.0
88	0 crw-----	1 root	wheel	0x58 Apr 19 13:15	/dev/ukbd0
89	0 lrwxr-xr-x	1 root	wheel	5 Apr 19 13:15	/dev/ukbd0 -> ukbd0
90	0 crw-r-----	1 root	operator	0x5a Apr 19 13:15	/dev/mfid0
91	0 crw-r-----	1 root	operator	0x5b Apr 19 13:15	/dev/mfid0p1
92	0 crw-r-----	1 root	operator	0x5c Apr 19 13:19	/dev/mfid0p2
93	0 crw-r-----	1 root	operator	0x5d Apr 19 13:19	/dev/mfid0p3
104	1 dr-xr-xr-x	2 root	wheel	512 Apr 19 13:15	/dev/gptid
94	0 crw-r-----	1 root	operator	0x5e Apr 19 13:15	/dev/gptid/e56f09a6-c778-11e3-
b21d-902b34ba033c					
99	0 lrwxr-xr-x	1 root	wheel	9 Apr 19 13:15	/dev/ugen1.4 -> usb/1.4.0
107	0 crw-----	1 root	operator	0x6b Apr 19 13:15	/dev/pass0
106	0 crw-----	1 root	operator	0x6a Apr 19 13:19	/dev/pass1
108	0 crw-----	1 root	operator	0x6c Apr 19 13:19	/dev/pass2
109	0 crw-----	1 root	operator	0x6d Apr 19 13:19	/dev/pass3
110	0 crw-r-----	1 root	operator	0x6e Apr 19 13:19	/dev/cd0
112	0 crw-r-----	1 root	operator	0x70 Apr 19 13:19	/dev/da0
113	0 crw-r-----	1 root	operator	0x71 Apr 19 13:19	/dev/da1
114	0 crw-r-----	1 root	operator	0x72 Apr 19 13:19	/dev/da2
95	0 crw-r--r--	1 root	operator	0x5f Apr 19 13:19	/dev/ums0
105	0 lrwxr-xr-x	1 root	wheel	9 Apr 19 14:55	/dev/ugen0.3 -> usb/0.3.0
117	0 lrwxr-xr-x	1 root	wheel	9 Apr 19 14:55	/dev/ugen0.4 -> usb/0.4.0
119	0 crw-----	1 root	wheel	0x77 Apr 19 14:54	/dev/ukbd1
120	0 lrwxr-xr-x	1 root	wheel	5 Apr 19 14:55	/dev/ukbd2 -> ukbd1
122	0 lrwxr-xr-x	1 root	wheel	9 Apr 19 14:55	/dev/ugen0.5 -> usb/0.5.0
125	0 crw-----	1 root	operator	0x7d Apr 19 14:54	/dev/pass4
126	0 crw-r-----	1 root	operator	0x7e Apr 19 14:54	/dev/da3

## 更新履歷

# 更新履歴

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

# FreeBSD動作検証レポート

## R120d-1E / 10.0-STABLE

### 対象ハードウェア

maker:NEC, product:Express5800/R120d-1E [N8100-1845Y],  
serial:2800169, version:FR1.2

### 対象OSバージョン

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

2014年4月19日版

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