

# FreeBSD動作検証レポート

## R120f-2E / 9.3-RELEASE

### 対象ハードウェア

maker:NEC, product:Express5800/R120f-2E  
[N8100-2263Y], serial:5300109, version:FR1.3

### 対象OSバージョン

FreeBSD 9.3-RELEASE #0 r268512: Thu Jul 10  
23:44:39 UTC 2014

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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	cea56917-f9c1-e411-8001-fcaa14a3c4c1
製品データ	maker:NEC, product:Express5800/R120f-2E [N8100-2263Y], serial:5300109, version:FR1.3
筐体データ	maker:NEC, serial:01, tag:_____, version:856-857754-001
CPU	Intel(R) Xeon(R) CPU E5-2603 v3 @ 1.60GHz
MEMORY	67108864[KB]
BIOS	reldate:12/19/2014, vendor:American Megatrends Inc., version:5.0.0005
ACPI	oem:AMI , revision:2, rsdp:984368, rsdt:0x7b0d4028, xsdt:0x000000007b0d4088
OS	FreeBSD 9.3-RELEASE #0 r268512: Thu Jul 10 23:44:39 UTC 2014

## 基礎性能データ

メモリアクセス速度	14.191 GBi/sec
IPv4スタック処理速度	311.074 MBi/sec
IPv6スタック処理速度	237.947 MBi/sec

## 動作検証要約

### 1wayアーキテクチャ

FreeBSD 9.3-RELEASE #0 r268512: Thu Jul 10 23:44:39 UTC 2014は、BIOSをレガシーモードに設定した状態の検証対象ハードウェア「maker:NEC, product:Express5800/R120f-2E [N8100-2263Y], serial:5300109, version:FR1.3」においてLiveCD環境の起動の動作を確認。FreeBSD 9.3-RELEASEでは、「maker:NEC, product:Express5800/R120f-2E [N8100-2263Y], serial:5300109, version:FR1.3」のLSI MegaRAID SAS 9362-8iを適切に扱うことができない。mfi(4)ドライバでストレージを認識することはできるが、書き込み時にエラーが発生し、書き込み処理ができなくなる。FreeBSD 10.1-RELEASEではmrsas(4)ドライバで適切に扱えるようになっており、10.1-RELEASEから9.3-RELEASEへmrsas(4)ドライバのバックポートを実施すれば利用できる可能性がある。

### 2wayアーキテクチャ

FreeBSD 9.3-RELEASE #0 r268512: Thu Jul 10 23:44:39 UTC 2014は、BIOSをレガシーモードに設定し、x2APICの設定を無効化した状態で、検証対象ハードウェア「maker:NEC, product:Express5800/R120f-2E [N8100-2263Y],

serial:5300109, version:FR1.3」においてLiveCD環境の起動を確認。FreeBSD 9.3-RELEASEでは、LSI MegaRAID SAS 9362-8iを適切に扱うことができない。mfi(4)ドライバでストレージを認識することはできるが、書き込み時にエラーが発生し、書き込み処理ができなくなる。FreeBSD 10.1-RELEASEではmrsas(4)ドライバで適切に扱えるようになっており、10.1-RELEASEから9.3-RELEASEへmrsas(4)ドライバのバックポートを実施すれば利用できる可能性がある。

## 1way/2way共通

UEFIブートへの対応はFreeBSD 10.2-RELEASEまたはFreeBSD 11.0-RELEASE以降で実現する見通し。FreeBSD 9.3-RELEASEにおいてUEFIブートおよび4Kセクタストレージを使用するには、11.0-CURRENTからバックポートしてカーネルを再構築することで利用できる可能性がある。

BIOSをレガシーモードで使用している場合、基本的にストレージは512セクタの製品を使用することが推奨される。BIOSは4Kセクタのストレージを認識しないため、4Kセクタのストレージを起動対象として処理できない。FreeBSD 10.1-RELEASEであれば、LSI MegaRAID RAIDコントローラドライバとしてmrsas(4)を使用することで利用が可能。

以降の検証機GEOMツリー、動作検証レポート、詳細データはLiveCD環境より取得した情報となっている。



# 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=AMI, OEM_Table ID=0694, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_BERT	Revision=1, OEMID=AMI, OEM_Table ID=0694, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x1
ACPI_DMAR	Revision=1, OEMID=AMI, OEM_Table ID=0694, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x20091013
ACPI_DSDT	Revision=2, OEMID=AMI, OEM_Table ID=0694, OEM_Revision=0x1072009, Creator_ID=INTL, Creator_Revision=0x20091013
ACPI_FACP	Revision=5, OEMID=AMI, OEM_Table ID=0694, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013, FACS=0x7b641f80, DSDT=0x7b0d41a0, SMI_CMD=0xb2, ACPI_ENABLE=0xa0, ACPI_DISABLE=0xa1, S4BIOS_REQ=0x0, FLUSH_STRIDE=16, DUTY_WIDTH=3, RESET_VALUE=0xbf
ACPI_FACS	HwSig=0x0000001b, Firm_Wake_Vec=0x00000000
ACPI_FIDT	Length=156, Revision=1, Checksum=213, OEMID=AMI, OEM_Table ID=0694, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_HPET	Revision=1, OEMID=AMI, OEM_Table ID=0694, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x20091013
ACPI_MCFG	Revision=1, OEMID=AMI, OEM_Table ID=0694, OEM_Revision=0x1072009, Creator_ID=MSFT, Creator_Revision=0x97
ACPI_RSD_PTR	OEM=AMI, ACPI_Rev=2.0x (2), XSDT=0x7b0d4088
ACPI_SLIT	Revision=1, OEMID=AMI, OEM_Table ID=0694, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x20091013
ACPI_SPCR	Revision=1, OEMID=A_M I, OEM_Table ID=APTIO V, OEM_Revision=0x1072009, Creator_ID=AMI., Creator_Revision=0x5
ACPI_SRAT	Revision=3, OEMID=AMI, OEM_Table ID=0694, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x20091013
ACPI_XSDT	Revision=1, OEMID=AMI, OEM_Table ID=0694, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_SSDT_1	Length=31019, Revision=1, Checksum=15, OEMID=AMI, OEM_Table ID=PmMgt, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x20120913
ACPI_SSDT_2	Length=6370, Revision=2, Checksum=251, OEMID=AMI, OEM_Table ID=SpsNm, OEM_Revision=0x2, Creator_ID=INTL, Creator_Revision=0x20120913
ACPI_SSDT_3	Length=100, Revision=2, Checksum=130, OEMID=AMI, OEM_Table ID=SpsNvs, OEM_Revision=0x2, Creator_ID=INTL, Creator_Revision=0x20120913

## MFIデバイス認識データ

アダプタ	mfi0 Adapter:, Product Name: MR9362-8i 1GB, Serial Number: SV45331940, Firmware: 24.2.1-0056, RAID Levels: JBOD, RAID0, RAID1, RAID5, RAID6, RAID10, RAID50, Battery Backup: present, NVRAM: 32K, Onboard Memory: 1024M, Minimum Stripe: 64k, Maximum Stripe: 1M
ドライバ	mfi0 Physical Drives:, 23 ( 838G) ONLINE It;HGST HUC101890CSS200 A382 serial=05G060JEgt; SCSI-6 E1:S0

ボ リ ュ ー ム	mfi0 Volumes:, Id Size Level Stripe State Cache Name, mfid0 ( 837G) RAID-0 256k OPTIMAL Disabled
コン フィ グ	mfi0 Configuration: 1 arrays, 1 volumes, 0 spares, array 0 of 1 drives:, drive 23 ( 838G) ONLINE lt;HGST HUC101890CSS200 A382 serial=05G060JEgt; SCSI-6, volume mfid0 (837G) RAID-0 256k OPTIMAL spans:, array 0

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

## MPTデバイス認識データ

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

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



## NIC認識データ

NIC	bge0, bge1
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=fc:aa:14:a3:c4:bf, inet=192.168.10.69 netmask 0xfffff00 broadcast 192.168.10.255, nd6_options=29<PERFORMNUD,IFDISABLED,AUTO_LINKLOCAL>, media=Ethernet autoselect (1000baseT <full-duplex>), 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=fc:aa:14:a3:c4:c0, nd6_options=29<PERFORMNUD,IFDISABLED,AUTO_LINKLOCAL>, media=Ethernet autoselect

## カーネルデバイス認識データ

acpi	audit	bpf	bpf0(bpf)
cd0	console	consolectl	ctty
cuau0	cuau0.init	cuau0.lock	cuau1
cuau1.init	cuau1.lock	da0	da0a
devctl	devstat	fd	fd/0
fd/1	fd/2	fido	geom.ctl
gptid	gptid/7975125d-1f17-11e5-a422-fcaa14a3c4bf	gptid/7992aaeb-1f17-11e5-a422-fcaa14a3c4bf	gptid/79bcce48-1f17-11e5-a422-fcaa14a3c4bf
io	kbd0(ukbd0)	kbd1(kbdmux0)	kbd2(ukbd1)
kbdmux0	klog	kmem	led
led/ahcich0.fault	led/ahcich0.locate	led/ahcich1.fault	led/ahcich1.locate
led/ahcich2.fault	led/ahcich2.locate	led/ahcich3.fault	led/ahcich3.locate
led/ahcich4.fault	led/ahcich4.locate	log(/var/run/log)	md0
mdctl	megaraid_sas_ioctl_node(mfi0)	mem	mfi0
mfi0	mfi0p1	mfi0p2	mfi0p3
midistat	nfslock	null	pass0
pass1	pci	ptmx	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	ufs
ufs/FreeBSD_Install	ufsid	ufsid/55927761916095ae	ufssuspend
ugen0.1(usb/0.1.0)	ugen1.1(usb/1.1.0)	ugen1.2(usb/1.2.0)	ugen1.3(usb/1.3.0)
ugen1.4(usb/1.4.0)	ugen1.5(usb/1.5.0)	ugen2.1(usb/2.1.0)	ugen2.2(usb/2.2.0)
ugen2.3(usb/2.3.0)	ukbd0	ukbd1	ums0
urandom(random)	usb	usb/0.1.0	usb/0.1.1
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/1.4.0	usb/1.4.1
usb/1.5.0	usb/1.5.1	usb/1.5.2	usb/2.1.0
usb/2.1.1	usb/2.2.0	usb/2.2.1	usb/2.3.0
usb/2.3.1	usb/2.3.2	usbctl	xpt0
zero			

## PCI認識データ

1	pci0:255:8:0(none0), class=base peripheral, vendor='Intel Corporation', device=
2	pci0:255:8:2(none1), class=dasp, vendor='Intel Corporation', device=
3	pci0:255:8:3(none2), class=base peripheral, vendor='Intel Corporation', device=
4	pci0:255:11:0(none3), class=base peripheral, vendor='Intel Corporation', device=
5	pci0:255:11:1(none4), class=dasp, vendor='Intel Corporation', device=
6	pci0:255:11:2(none5), class=dasp, vendor='Intel Corporation', device=
7	pci0:255:12:0(none6), class=base peripheral, vendor='Intel Corporation', device=
8	pci0:255:12:1(none7), class=base peripheral, vendor='Intel Corporation', device=
9	pci0:255:12:2(none8), class=base peripheral, vendor='Intel Corporation', device=
10	pci0:255:12:3(none9), class=base peripheral, vendor='Intel Corporation', device=
11	pci0:255:12:4(none10), class=base peripheral, vendor='Intel Corporation', device=
12	pci0:255:12:5(none11), class=base peripheral, vendor='Intel Corporation', device=
13	pci0:255:15:0(none12), class=base peripheral, vendor='Intel Corporation', device=
14	pci0:255:15:1(none13), class=base peripheral, vendor='Intel Corporation', device=
15	pci0:255:15:4(none14), class=base peripheral, vendor='Intel Corporation', device=
16	pci0:255:15:5(none15), class=base peripheral, vendor='Intel Corporation', device=
17	pci0:255:15:6(none16), class=base peripheral, vendor='Intel Corporation', device=
18	pci0:255:16:0(none17), class=base peripheral, vendor='Intel Corporation', device=
19	pci0:255:16:1(none18), class=dasp, vendor='Intel Corporation', device=
20	pci0:255:16:5(none19), class=base peripheral, vendor='Intel Corporation', device=
21	pci0:255:16:6(none20), class=dasp, vendor='Intel Corporation', device=
22	pci0:255:16:7(none21), class=base peripheral, vendor='Intel Corporation', device=
23	pci0:255:18:0(none22), class=base peripheral, vendor='Intel Corporation', device=
24	pci0:255:18:1(none23), class=dasp, vendor='Intel Corporation', device=
25	pci0:255:19:0(none24), class=base peripheral, vendor='Intel Corporation', device=
26	pci0:255:19:1(none25), class=base peripheral, vendor='Intel Corporation', device=
27	pci0:255:19:2(none26), class=base peripheral, vendor='Intel Corporation', device=
28	pci0:255:19:3(none27), class=base peripheral, vendor='Intel Corporation', device=
29	pci0:255:19:4(none28), class=base peripheral, vendor='Intel Corporation', device=
30	pci0:255:19:5(none29), class=base peripheral, vendor='Intel Corporation', device=
31	pci0:255:19:6(none30), class=base peripheral, vendor='Intel Corporation', device=
32	pci0:255:19:7(none31), class=base peripheral, vendor='Intel Corporation', device=
33	pci0:255:20:0(none32), class=base peripheral, vendor='Intel Corporation', device=
34	pci0:255:20:1(none33), class=base peripheral, vendor='Intel Corporation', device=
35	pci0:255:20:2(none34), class=base peripheral, vendor='Intel Corporation', device=
36	pci0:255:20:3(none35), class=base peripheral, vendor='Intel Corporation', device=
37	pci0:255:20:6(none36), class=base peripheral, vendor='Intel Corporation', device=
38	pci0:255:20:7(none37), class=base peripheral, vendor='Intel Corporation', device=
39	pci0:255:21:0(none38), class=base peripheral, vendor='Intel Corporation', device=
40	pci0:255:21:1(none39), class=base peripheral, vendor='Intel Corporation', device=

41	pci0:255:21:2(none40), class=base peripheral, vendor='Intel Corporation', device=
42	pci0:255:21:3(none41), class=base peripheral, vendor='Intel Corporation', device=
43	pci0:255:22:0(none42), class=base peripheral, vendor='Intel Corporation', device=
44	pci0:255:22:6(none43), class=base peripheral, vendor='Intel Corporation', device=
45	pci0:255:22:7(none44), class=base peripheral, vendor='Intel Corporation', device=
46	pci0:255:23:0(none45), class=base peripheral, vendor='Intel Corporation', device=
47	pci0:255:23:4(none46), class=base peripheral, vendor='Intel Corporation', device=
48	pci0:255:23:5(none47), class=base peripheral, vendor='Intel Corporation', device=
49	pci0:255:23:6(none48), class=base peripheral, vendor='Intel Corporation', device=
50	pci0:255:23:7(none49), class=base peripheral, vendor='Intel Corporation', device=
51	pci0:255:30:0(none50), class=base peripheral, vendor='Intel Corporation', device=
52	pci0:255:30:1(none51), class=base peripheral, vendor='Intel Corporation', device=
53	pci0:255:30:2(none52), class=base peripheral, vendor='Intel Corporation', device=
54	pci0:255:30:3(none53), class=base peripheral, vendor='Intel Corporation', device=
55	pci0:255:30:4(none54), class=base peripheral, vendor='Intel Corporation', device=
56	pci0:255:31:0(none55), class=base peripheral, vendor='Intel Corporation', device=
57	pci0:255:31:2(none56), class=base peripheral, vendor='Intel Corporation', device=
58	pci0:127:8:0(none57), class=base peripheral, vendor='Intel Corporation', device=
59	pci0:127:8:2(none58), class=dasp, vendor='Intel Corporation', device=
60	pci0:127:8:3(none59), class=base peripheral, vendor='Intel Corporation', device=
61	pci0:127:11:0(none60), class=base peripheral, vendor='Intel Corporation', device=
62	pci0:127:11:1(none61), class=dasp, vendor='Intel Corporation', device=
63	pci0:127:11:2(none62), class=dasp, vendor='Intel Corporation', device=
64	pci0:127:12:0(none63), class=base peripheral, vendor='Intel Corporation', device=
65	pci0:127:12:1(none64), class=base peripheral, vendor='Intel Corporation', device=
66	pci0:127:12:2(none65), class=base peripheral, vendor='Intel Corporation', device=
67	pci0:127:12:3(none66), class=base peripheral, vendor='Intel Corporation', device=
68	pci0:127:12:4(none67), class=base peripheral, vendor='Intel Corporation', device=
69	pci0:127:12:5(none68), class=base peripheral, vendor='Intel Corporation', device=
70	pci0:127:15:0(none69), class=base peripheral, vendor='Intel Corporation', device=
71	pci0:127:15:1(none70), class=base peripheral, vendor='Intel Corporation', device=
72	pci0:127:15:4(none71), class=base peripheral, vendor='Intel Corporation', device=
73	pci0:127:15:5(none72), class=base peripheral, vendor='Intel Corporation', device=
74	pci0:127:15:6(none73), class=base peripheral, vendor='Intel Corporation', device=
75	pci0:127:16:0(none74), class=base peripheral, vendor='Intel Corporation', device=
76	pci0:127:16:1(none75), class=dasp, vendor='Intel Corporation', device=
77	pci0:127:16:5(none76), class=base peripheral, vendor='Intel Corporation', device=
78	pci0:127:16:6(none77), class=dasp, vendor='Intel Corporation', device=
79	pci0:127:16:7(none78), class=base peripheral, vendor='Intel Corporation', device=
80	pci0:127:18:0(none79), class=base peripheral, vendor='Intel Corporation', device=
81	pci0:127:18:1(none80), class=dasp, vendor='Intel Corporation', device=
82	pci0:127:19:0(none81), class=base peripheral, vendor='Intel Corporation', device=

83	pci0:127:19:1(none82), class=base peripheral, vendor='Intel Corporation', device=
84	pci0:127:19:2(none83), class=base peripheral, vendor='Intel Corporation', device=
85	pci0:127:19:3(none84), class=base peripheral, vendor='Intel Corporation', device=
86	pci0:127:19:4(none85), class=base peripheral, vendor='Intel Corporation', device=
87	pci0:127:19:5(none86), class=base peripheral, vendor='Intel Corporation', device=
88	pci0:127:19:6(none87), class=base peripheral, vendor='Intel Corporation', device=
89	pci0:127:19:7(none88), class=base peripheral, vendor='Intel Corporation', device=
90	pci0:127:20:0(none89), class=base peripheral, vendor='Intel Corporation', device=
91	pci0:127:20:1(none90), class=base peripheral, vendor='Intel Corporation', device=
92	pci0:127:20:2(none91), class=base peripheral, vendor='Intel Corporation', device=
93	pci0:127:20:3(none92), class=base peripheral, vendor='Intel Corporation', device=
94	pci0:127:20:6(none93), class=base peripheral, vendor='Intel Corporation', device=
95	pci0:127:20:7(none94), class=base peripheral, vendor='Intel Corporation', device=
96	pci0:127:21:0(none95), class=base peripheral, vendor='Intel Corporation', device=
97	pci0:127:21:1(none96), class=base peripheral, vendor='Intel Corporation', device=
98	pci0:127:21:2(none97), class=base peripheral, vendor='Intel Corporation', device=
99	pci0:127:21:3(none98), class=base peripheral, vendor='Intel Corporation', device=
100	pci0:127:22:0(none99), class=base peripheral, vendor='Intel Corporation', device=
101	pci0:127:22:6(none100), class=base peripheral, vendor='Intel Corporation', device=
102	pci0:127:22:7(none101), class=base peripheral, vendor='Intel Corporation', device=
103	pci0:127:23:0(none102), class=base peripheral, vendor='Intel Corporation', device=
104	pci0:127:23:4(none103), class=base peripheral, vendor='Intel Corporation', device=
105	pci0:127:23:5(none104), class=base peripheral, vendor='Intel Corporation', device=
106	pci0:127:23:6(none105), class=base peripheral, vendor='Intel Corporation', device=
107	pci0:127:23:7(none106), class=base peripheral, vendor='Intel Corporation', device=
108	pci0:127:30:0(none107), class=base peripheral, vendor='Intel Corporation', device=
109	pci0:127:30:1(none108), class=base peripheral, vendor='Intel Corporation', device=
110	pci0:127:30:2(none109), class=base peripheral, vendor='Intel Corporation', device=
111	pci0:127:30:3(none110), class=base peripheral, vendor='Intel Corporation', device=
112	pci0:127:30:4(none111), class=base peripheral, vendor='Intel Corporation', device=
113	pci0:127:31:0(none112), class=base peripheral, vendor='Intel Corporation', device=
114	pci0:127:31:2(none113), class=base peripheral, vendor='Intel Corporation', device=
115	pci0:0:0:0(hostb0), class=HOST-PCI, vendor='Intel Corporation', device=
116	pci0:0:1:0(pci3), class=PCI-PCI, vendor='Intel Corporation', device=
117	pci0:0:2:0(pci4), class=PCI-PCI, vendor='Intel Corporation', device=
118	pci0:0:3:0(pci5), class=PCI-PCI, vendor='Intel Corporation', device=
119	pci0:0:4:0(none114), class=base peripheral, vendor='Intel Corporation', device=
120	pci0:0:4:1(none115), class=base peripheral, vendor='Intel Corporation', device=
121	pci0:0:4:2(none116), class=base peripheral, vendor='Intel Corporation', device=
122	pci0:0:4:3(none117), class=base peripheral, vendor='Intel Corporation', device=
123	pci0:0:4:4(none118), class=base peripheral, vendor='Intel Corporation', device=
124	pci0:0:4:5(none119), class=base peripheral, vendor='Intel Corporation', device=

125	pci0:0:4:6(none120), class=base peripheral, vendor='Intel Corporation', device=
126	pci0:0:4:7(none121), class=base peripheral, vendor='Intel Corporation', device=
127	pci0:0:5:0(none122), class=base peripheral, vendor='Intel Corporation', device=
128	pci0:0:5:1(none123), class=base peripheral, vendor='Intel Corporation', device=
129	pci0:0:5:2(none124), class=base peripheral, vendor='Intel Corporation', device=
130	pci0:0:5:4(ioapic0), class=interrupt controller, vendor='Intel Corporation', device=
131	pci0:0:17:0(none125), class=, vendor='Intel Corporation', device=
132	pci0:0:20:0(xhci0), class=USB, vendor='Intel Corporation', device=
133	pci0:0:22:0(none126), class=simple comms, vendor='Intel Corporation', device=
134	pci0:0:22:1(none127), class=simple comms, vendor='Intel Corporation', device=
135	pci0:0:26:0(ehci0), class=USB, vendor='Intel Corporation', device=
136	pci0:0:28:0(pci6), class=PCI-PCI, vendor='Intel Corporation', device=
137	pci0:0:28:2(pci7), class=PCI-PCI, vendor='Intel Corporation', device=
138	pci0:0:28:3(pci8), class=PCI-PCI, vendor='Intel Corporation', device=
139	pci0:0:29:0(ehci1), class=USB, vendor='Intel Corporation', device=
140	pci0:0:31:0(isab0), class=PCI-ISA, vendor='Intel Corporation', device=
141	pci0:0:31:2(ahci0), class=SATA, vendor='Intel Corporation', device=
142	pci0:0:31:3(none128), class=SMBus, vendor='Intel Corporation', device=
143	pci0:1:0:0(mfi0), class=RAID, vendor='LSI Logic / Symbios Logic', device='MegaRAID SAS-3 3108 [Invader]'
144	pci0:97:0:0(bge0), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5720 Gigabit Ethernet PCIe'
145	pci0:97:0:1(bge1), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5720 Gigabit Ethernet PCIe'
146	pci0:98:0:0(vgapci0), class=VGA, vendor='Matrox Graphics, Inc.', device='MGA G200e [Pilot] ServerEngines (SEP1)'
147	pci0:128:0:0(pci10), class=PCI-PCI, vendor='Intel Corporation', device=
148	pci0:128:1:0(pci11), class=PCI-PCI, vendor='Intel Corporation', device=
149	pci0:128:2:0(pci12), class=PCI-PCI, vendor='Intel Corporation', device=
150	pci0:128:3:0(pci13), class=PCI-PCI, vendor='Intel Corporation', device=
151	pci0:128:4:0(none129), class=base peripheral, vendor='Intel Corporation', device=
152	pci0:128:4:1(none130), class=base peripheral, vendor='Intel Corporation', device=
153	pci0:128:4:2(none131), class=base peripheral, vendor='Intel Corporation', device=
154	pci0:128:4:3(none132), class=base peripheral, vendor='Intel Corporation', device=
155	pci0:128:4:4(none133), class=base peripheral, vendor='Intel Corporation', device=
156	pci0:128:4:5(none134), class=base peripheral, vendor='Intel Corporation', device=
157	pci0:128:4:6(none135), class=base peripheral, vendor='Intel Corporation', device=
158	pci0:128:4:7(none136), class=base peripheral, vendor='Intel Corporation', device=
159	pci0:128:5:0(none137), class=base peripheral, vendor='Intel Corporation', device=
160	pci0:128:5:1(none138), class=base peripheral, vendor='Intel Corporation', device=
161	pci0:128:5:2(none139), class=base peripheral, vendor='Intel Corporation', device=
162	pci0:128:5:4(ioapic1), class=interrupt controller, vendor='Intel Corporation', device=

## メモリ認識データ

1	0x0/0x10000 BIOS write-back fixed-base fixed-length set-by-firmware active
2	0x10000/0x10000 BIOS write-back fixed-base fixed-length set-by-firmware active
3	0x20000/0x10000 BIOS write-back fixed-base fixed-length set-by-firmware active
4	0x30000/0x10000 BIOS write-back fixed-base fixed-length set-by-firmware active
5	0x40000/0x10000 BIOS write-back fixed-base fixed-length set-by-firmware active
6	0x50000/0x10000 BIOS write-back fixed-base fixed-length set-by-firmware active
7	0x60000/0x10000 BIOS write-back fixed-base fixed-length set-by-firmware active
8	0x70000/0x10000 BIOS write-back fixed-base fixed-length set-by-firmware active
9	0x80000/0x4000 BIOS write-back fixed-base fixed-length set-by-firmware active
10	0x84000/0x4000 BIOS write-back fixed-base fixed-length set-by-firmware active
11	0x88000/0x4000 BIOS write-back fixed-base fixed-length set-by-firmware active
12	0x8c000/0x4000 BIOS write-back fixed-base fixed-length set-by-firmware active
13	0x90000/0x4000 BIOS write-back fixed-base fixed-length set-by-firmware active
14	0x94000/0x4000 BIOS write-back fixed-base fixed-length set-by-firmware active
15	0x98000/0x4000 BIOS write-back fixed-base fixed-length set-by-firmware active
16	0x9c000/0x4000 BIOS write-back fixed-base fixed-length set-by-firmware active
17	0xa0000/0x4000 BIOS uncacheable fixed-base fixed-length set-by-firmware active
18	0xa4000/0x4000 BIOS uncacheable fixed-base fixed-length set-by-firmware active
19	0xa8000/0x4000 BIOS uncacheable fixed-base fixed-length set-by-firmware active
20	0xac000/0x4000 BIOS uncacheable fixed-base fixed-length set-by-firmware active
21	0xb0000/0x4000 BIOS uncacheable fixed-base fixed-length set-by-firmware active
22	0xb4000/0x4000 BIOS uncacheable fixed-base fixed-length set-by-firmware active
23	0xb8000/0x4000 BIOS uncacheable fixed-base fixed-length set-by-firmware active
24	0xbc000/0x4000 BIOS uncacheable fixed-base fixed-length set-by-firmware active
25	0xc0000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
26	0xc1000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
27	0xc2000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
28	0xc3000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
29	0xc4000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
30	0xc5000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
31	0xc6000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
32	0xc7000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
33	0xc8000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
34	0xc9000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
35	0xca000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
36	0xcb000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
37	0xcc000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
38	0xcd000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
39	0xce000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
40	0xcf000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active





83	0xfa000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
84	0xfb000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
85	0xfc000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
86	0xfd000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
87	0xfe000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
88	0xff000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
89	0x80000000/0x80000000 BIOS uncacheable set-by-firmware active
90	0x380000000000/0x8000000000 BIOS uncacheable set-by-firmware active
91	0xc5000000/0x1000000 BIOS write-through set-by-firmware active
92	0xc6000000/0x1000000 BIOS write-through set-by-firmware active

## 動作検証レポート 詳細データ

# 詳細データ

## カーネル環境変数データ詳細一覧

```
LINES="24"
bootfile="kernel"
comconsole_pcidv="
comconsole_port="1016"
comconsole_speed="9600"
console="vidconsole"
currdev="disk0s4a:"
hint.acpi.0.oem="AMI"
hint.acpi.0.revision="2"
hint.acpi.0.rsdv="984368"
hint.acpi.0.rsdv="0x7b0d4028"
hint.acpi.0.xsdt="0x00000007b0d4088"
hint.acpi.0.xsdt_length="36"
hint.atkbd.0.at="atkbd"
hint.atkbd.0.irq="1"
hint.atkbd.0.at="isa"
hint.atkbd.0.port="0x060"
hint.atrtc.0.at="isa"
hint.atrtc.0.irq="8"
hint.atrtc.0.port="0x70"
hint.attimer.0.at="isa"
hint.attimer.0.irq="0"
hint.attimer.0.port="0x40"
hint.fd.0.at="fdc0"
hint.fd.0.drive="0"
hint.fd.1.at="fdc0"
hint.fd.1.drive="1"
hint.fdc.0.at="isa"
hint.fdc.0.drq="2"
hint.fdc.0.irq="6"
hint.fdc.0.port="0x3F0"
hint.ppc.0.at="isa"
hint.ppc.0.irq="7"
hint.psm.0.at="atkbd"
hint.psm.0.irq="12"
hint.sc.0.at="isa"
hint.sc.0.flags="0x100"
hint.uart.0.at="isa"
hint.uart.0.flags="0x10"
hint.uart.0.irq="4"
hint.uart.0.port="0x3F8"
hint.uart.1.at="isa"
hint.uart.1.irq="3"
hint.uart.1.port="0x2F8"
hint.wbwd.0.at="isa"
interpret="OK"
kernel="kernel"
kernel[0]="kernel"
kernel[1]="kernel.old"
kernel_options=""
kernelname="/boot/kernel/kernel"
loaddev="disk0s4a:"
loader_conf_files="/boot/device.hints /boot/loader.conf /boot/loader.conf.local"
mac_iff="N0"
module_path="/boot/kernel;/boot/modules"
smbios.bios.reldate="12/19/2014"
smbios.bios.vendor="American Megatrends Inc."
smbios.bios.version="5.0.0005"
smbios.chassis.maker="NEC"
smbios.chassis.serial="01"
smbios.chassis.tag="-----"
smbios.chassis.version="856-857754-001"
smbios.memory.enabled="67108864"
smbios.planar.maker="GIGABYTE"
smbios.planar.product="GA-7WESV-NJ"
smbios.planar.serial="0EKCS2000107"
smbios.planar.version="1.1A"
smbios.socket.enabled="2"
smbios.socket.populated="2"
smbios.system.maker="NEC"
smbios.system.product="Express5800/R120f-2E [N8100-2263Y]"
smbios.system.serial="5300109"
smbios.system.uuid="cea56917-f9c1-e411-8001-fcaa14a3c4c1"
smbios.system.version="FR1.3"
smbios.version="2.7"
```

```
temp_options=""  
vfs.root.mountfrom="ufs:/dev/ufs/FreeBSD_Install"  
vfs.root.mountfrom.options="ro,noatime"
```

# カーネルステートデータ詳細一覧

```
kern.ostype: FreeBSD
kern.osrelease: 9.3-RELEASE
kern.osrevision: 199506
kern.version: FreeBSD 9.3-RELEASE #0 r268512: Thu Jul 10 23:44:39 UTC 2014
  root@snap.freebsd.org:/usr/obj/usr/src/sys/GENERIC
kern.maxvnodes: 1159683
kern.maxproc: 70820
kern.maxfiles: 2093773
kern.argmax: 262144
kern.securelevel: -1
kern.hostname:
kern.hostid: 0
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 = 1435663226, usec = 756456 } Tue Jun 30 11:20:26 2015
kern.domainname:
kern.osreldate: 903000
kern.bootfile: /boot/kernel/kernel
kern.maxfilesperproc: 1884393
kern.maxprocperuid: 63738
kern.ipc.maxsockbuf: 2097152
kern.ipc.sockbuf_waste_factor: 8
kern.ipc.somaxconn: 128
kern.ipc.max_linkhdr: 16
kern.ipc.max_protohdr: 60
kern.ipc.max_hdr: 76
kern.ipc.max_datalen: 92
kern.ipc.nmbufs: 25987470
kern.ipc.nmbjumbo16: 1353512
kern.ipc.nmbjumbo9: 1804683
kern.ipc.nmbjumbop: 2030271
kern.ipc.nmbclusters: 4060542
kern.ipc.maxbufmem: 33263962112
kern.ipc.piperesizeallowed: 1
kern.ipc.piperesizefail: 0
kern.ipc.pipeallocfail: 0
kern.ipc.piperefragetry: 0
kern.ipc.pipekva: 20480
kern.ipc.maxpipekva: 1072009216
kern.ipc.msgseg: 2048
kern.ipc.msgssz: 8
kern.ipc.msghdr: 40
kern.ipc.msgmnb: 2048
kern.ipc.msgmni: 40
kern.ipc.msgmax: 16384
kern.ipc.semaem: 16384
kern.ipc.semvmx: 32767
kern.ipc.semusz: 632
kern.ipc.semume: 50
kern.ipc.semopm: 100
kern.ipc.semmsl: 340
kern.ipc.semnu: 150
kern.ipc.semms: 340
kern.ipc.semni: 50
kern.ipc.shm_allow_removed: 0
kern.ipc.shm_use_phys: 0
kern.ipc.shmall: 131072
kern.ipc.shmseg: 128
kern.ipc.shmni: 192
kern.ipc.shmin: 1
kern.ipc.shmax: 536870912
kern.ipc.maxsockets: 2093773
kern.ipc.numopensockets: 9
kern.ipc.nsfbufsused: 0
kern.ipc.nsfbufspeak: 0
kern.ipc.nsfbufs: 0
kern.dummy: 0
kern.ps_strings: 140737488351200
kern.usrstack: 140737488351232
kern.logsigexit: 1
kern.iov_max: 1024
kern.hostuid: 00000000-0000-0000-0000-000000000000
kern.cam.sort_io_queues: 1
kern.cam.debug_delay: 0
kern.cam.dflags: 0
kern.cam.boot_delay: 0
kern.cam.pmp.hide_special: 1
kern.cam.pmp.default_timeout: 30
kern.cam.pmp.retry_count: 1
kern.cam.cam_srch_hi: 0
kern.cam.scsi_delay: 5000
kern.cam.cd.timeout: 30000
```

```

kern.cam.cd.retry_count: 4
kern.cam.cd.poll_period: 3
kern.cam.cd.changer.max_busy_seconds: 15
kern.cam.cd.changer.min_busy_seconds: 5
kern.cam.cd.0.minimum_cmd_size: 6
kern.cam.ada.write_cache: 1
kern.cam.ada.read_ahead: 1
kern.cam.ada.spindown_suspend: 1
kern.cam.ada.spindown_shutdown: 1
kern.cam.ada.send_ordered: 1
kern.cam.ada.default_timeout: 30
kern.cam.ada.retry_count: 4
kern.cam.ada.legacy_aliases: 1
kern.cam.da.send_ordered: 1
kern.cam.da.default_timeout: 60
kern.cam.da.retry_count: 4
kern.cam.da.poll_period: 3
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.enc.emulate_array_devices: 1
kern.tty_pty_warningcnt: 1
kern.disks: da0 cd0 mfid0
kern.geom.dev.delete_max_sectors: 262144
kern.geom.disk.mfid0.led:
kern.geom.disk.cd0.led:
kern.geom.disk.da0.led:
kern.geom.inflight_transient_maps: 0
kern.geom.transient_map_soft_failures: 0
kern.geom.transient_map_hard_failures: 0
kern.geom.transient_map_retries: 10
kern.geom.transient_maps: 580
kern.geom.collectstats: 1
kern.geom.debugflags: 0
kern.geom.conftxt: 0 MD md1 20971520 512 u 1 s 512 f 0 fs 0 l 20971520 t swap
kern.geom.confdot: digraph geom {
kern.geom.confxml: <mesh>
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.ufs.enable: 1
kern.geom.label.ufsid.enable: 1
kern.geom.label.gptid.enable: 1
kern.geom.label.gpt.enable: 1
kern.geom.part.check_integrity: 1
kern.geom.raid.legacy_aliases: 1
kern.geom.raid.idle_threshold: 1000000
kern.geom.raid.name_format: 0
kern.geom.raid.disconnect_on_failure: 1
kern.geom.raid.clean_time: 5
kern.geom.raid.start_timeout: 30
kern.geom.raid.read_err_thresh: 10
kern.geom.raid.debug: 0
kern.geom.raid.aggressive_spare: 0
kern.geom.raid.enable: 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.enable: 1
kern.geom.raid.raid1.rebuild_meta_update: 1024
kern.geom.raid.raid1.rebuild_cluster_idle: 100
kern.geom.raid.raid1.rebuild_fair_io: 20
kern.geom.raid.raid1.rebuild_slab_size: 1048576
kern.geom.raid.raid1e.enable: 1
kern.geom.raid.raid1e.rebuild_meta_update: 1024
kern.geom.raid.raid1e.rebuild_cluster_idle: 100
kern.geom.raid.raid1e.rebuild_fair_io: 20
kern.geom.raid.raid1e.rebuild_slab_size: 1048576
kern.geom.raid.raid5.enable: 1
kern.elf64.nxstack: 1
kern.elf64.fallback_brand: -1
kern.init.shutdown_timeout: 120
kern.init_path: /sbin/init:/sbin/oinit:/sbin/init.bak:/rescue/init:/stand/sysinstall
kern.acct_suspended: 0
kern.acct_configured: 0
kern.acct_chkfreq: 15
kern.acct_resume: 4
kern.acct_suspend: 2
kern.cp_times: 3 0 34 210 37699 2 0 6 512 37392 31 0 8 5983 31890 0 0 4 4728 33180 7 0 14 4 37887 3 0 13 3834 34062 13 0 39 1320 36540 11
0 19 3 37879 9 0 11 2 37890 11 0 12 4 37885 9 0 27 1 37875 12 0 8 2 37890
kern.cp_time: 111 0 195 16603 438069

```

kern.consttty\_wakeups\_per\_second: 5  
kern.consmgbuf\_size: 8192  
kern.consmute: 0  
kern.console: ttyv0,/ttyv0,uart,ucom,  
kern.openfiles: 52  
kern.eventtimer.choice: LAPIC(600) HPET(450) HPET1(440) HPET2(440) HPET3(440) HPET4(440) HPET5(440) HPET6(440) HPET7(440) i8254(100) RTC(0)  
kern.eventtimer.et.LAPIC.flags: 7  
kern.eventtimer.et.LAPIC.frequency: 50000942  
kern.eventtimer.et.LAPIC.quality: 600  
kern.eventtimer.et.RTC.flags: 17  
kern.eventtimer.et.RTC.frequency: 32768  
kern.eventtimer.et.RTC.quality: 0  
kern.eventtimer.et.i8254.flags: 1  
kern.eventtimer.et.i8254.frequency: 1193182  
kern.eventtimer.et.i8254.quality: 100  
kern.eventtimer.et.HPET.flags: 3  
kern.eventtimer.et.HPET.frequency: 14318180  
kern.eventtimer.et.HPET.quality: 450  
kern.eventtimer.et.HPET1.flags: 3  
kern.eventtimer.et.HPET1.frequency: 14318180  
kern.eventtimer.et.HPET1.quality: 440  
kern.eventtimer.et.HPET2.flags: 3  
kern.eventtimer.et.HPET2.frequency: 14318180  
kern.eventtimer.et.HPET2.quality: 440  
kern.eventtimer.et.HPET3.flags: 3  
kern.eventtimer.et.HPET3.frequency: 14318180  
kern.eventtimer.et.HPET3.quality: 440  
kern.eventtimer.et.HPET4.flags: 3  
kern.eventtimer.et.HPET4.frequency: 14318180  
kern.eventtimer.et.HPET4.quality: 440  
kern.eventtimer.et.HPET5.flags: 3  
kern.eventtimer.et.HPET5.frequency: 14318180  
kern.eventtimer.et.HPET5.quality: 440  
kern.eventtimer.et.HPET6.flags: 3  
kern.eventtimer.et.HPET6.frequency: 14318180  
kern.eventtimer.et.HPET6.quality: 440  
kern.eventtimer.et.HPET7.flags: 3  
kern.eventtimer.et.HPET7.frequency: 14318180  
kern.eventtimer.et.HPET7.quality: 440  
kern.eventtimer.periodic: 0  
kern.eventtimer.timer: LAPIC  
kern.eventtimer.activetick: 1  
kern.eventtimer.idletick: 0  
kern.eventtimer.singlemul: 2  
kern.kq\_calloutmax: 4096  
kern.disallow\_high\_osrel: 0  
kern.ps\_arg\_cache\_limit: 256  
kern.stackprot: 7  
kern.randompid: 0  
kern.lastpid: 812  
kern.ktrace.request\_pool: 100  
kern.ktrace.genio\_size: 4096  
kern.module\_path: /boot/kernel;/boot/modules  
kern.malloc\_count: 325  
kern.fallback\_elf\_brand: -1  
kern.pid\_max: 99999  
kern.features.scbus: 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\_compat: 1  
kern.features.geom\_part\_ebr: 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\_freebsd7: 1  
kern.features.compat\_freebsd6: 1  
kern.features.compat\_freebsd5: 1  
kern.features.compat\_freebsd4: 1  
kern.features.hwpmc\_hooks: 1  
kern.features.stack: 1  
kern.features.sysv\_msg: 1  
kern.features.sysv\_sem: 1  
kern.features.sysv\_shm: 1  
kern.features.posix\_shm: 1  
kern.features.inet: 1  
kern.features.inet6: 1  
kern.features.audit: 1  
kern.features.security\_mac: 1  
kern.features.ffmpeg\_snapshot: 1  
kern.features.softupdates: 1  
kern.features.ufs\_acl: 1  
kern.features.ufs\_quota64: 1  
kern.features.ufs\_quota: 1  
kern.features.ufs\_gjournal: 1  
kern.conftxt: options CONFIG\_AUTOGENERATED  
kern.supported\_archs: amd64 i386

kern.maxusers: 4425  
kern.compiler\_version: gcc version 4.2.1 20070831 patched [FreeBSD]  
kern.ident: GENERIC  
kern.hwpmc.softevents: 16  
kern.kstack\_pages: 4  
kern.shutdown.kproc\_shutdown\_wait: 60  
kern.shutdown.poweroff\_delay: 5000  
kern.shutdown.show\_busybufs: 0  
kern.stop\_scheduler\_on\_panic: 1  
kern.sync\_on\_panic: 0  
kern.panic\_reboot\_wait\_time: 15  
kern.corefile: %N.core  
kern.nodump\_coredump: 0  
kern.coredump: 1  
kern.sugid\_coredump: 0  
kern.sigqueue.alloc\_fail: 0  
kern.sigqueue.overflow: 0  
kern.sigqueue.preallocate: 1024  
kern.sigqueue.max\_pending\_per\_proc: 128  
kern.forcesigexit: 1  
kern.fscale: 2048  
kern.timecounter.fast\_gettime: 1  
kern.timecounter.tick: 1  
kern.timecounter.choice: TSC(1000) ACPI-fast(900) HPET(950) i8254(0) dummy(-1000000)  
kern.timecounter.hardware: TSC  
kern.timecounter.stepwarnings: 0  
kern.timecounter.tc.i8254.mask: 65535  
kern.timecounter.tc.i8254.counter: 2925  
kern.timecounter.tc.i8254.frequency: 1193182  
kern.timecounter.tc.i8254.quality: 0  
kern.timecounter.tc.HPET.mask: 4294967295  
kern.timecounter.tc.HPET.counter: 2590273039  
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: 6403323  
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: 1594205404  
kern.timecounter.tc.TSC.frequency: 1600029968  
kern.timecounter.tc.TSC.quality: 1000  
kern.timecounter.tsc\_shift: 1  
kern.timecounter.smp\_tsc\_adjust: 0  
kern.timecounter.smp\_tsc: 1  
kern.timecounter.invariant\_tsc: 1  
kern.threads.max\_threads\_hits: 0  
kern.threads.max\_threads\_per\_proc: 1500  
kern.ccpu: 0  
kern.sched.cpusetsize: 8  
kern.sched.preemption: 1  
kern.sched.topology\_spec: <groups>  
kern.sched.steal\_thresh: 2  
kern.sched.steal\_idle: 1  
kern.sched.balance\_interval: 127  
kern.sched.balance: 1  
kern.sched.affinity: 1  
kern.sched.idlespinthresh: 157  
kern.sched.idlespins: 10000  
kern.sched.static\_boost: 152  
kern.sched.preempt\_thresh: 80  
kern.sched.interact: 30  
kern.sched.slice: 12  
kern.sched.quantum: 94488  
kern.sched.name: ULE  
kern.devstat.version: 6  
kern.devstat.generation: 182  
kern.devstat.numdevs: 7  
kern.kobj\_methodcount: 205  
kern.log\_wakeups\_per\_second: 5  
kern.msgbuf\_show\_timestamp: 0  
kern.vm\_guest: none  
kern.sgrowsiz: 131072  
kern.maxssiz: 536870912  
kern.dflssiz: 8388608  
kern.maxdsiz: 34359738368  
kern.dfldsiz: 134217728  
kern.maxtsiz: 134217728  
kern.bio\_transient\_maxcnt: 1024  
kern.maxbcache: 0  
kern.maxswzone: 0  
kern.msgbufsize: 65536  
kern.nsbufl: 256  
kern.nbuf: 105931  
kern.ncallout: 18508  
kern.hz: 1000  
kern.msgbuf\_clear: 0  
kern.msgbuf:  
kern.always\_console\_output: 0  
kern.log\_console\_add\_linefeed: 0  
kern.log\_console\_output: 1



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kern.smp.forward_signal_enabled: 1
kern.smp.topology: 0
kern.smp.cpus: 12
kern.smp.disabled: 0
kern.smp.active: 1
kern.smp.maxcpus: 64
kern.smp.maxid: 11
kern.tty_inq_flush_secure: 1
kern.tty_nout: 14279
kern.tty_nin: 318
kern.minvnodes: 289920
kern.metadelay: 28
kern.dirdelay: 29
kern.filedelay: 30
kern.chroot_allow_open_directories: 1
kern.elf32.read_exec: 0
kern.elf32.nxstack: 1
kern.elf32.fallback_brand: -1
kern.random.yarrow.gengateinterval: 10
kern.random.yarrow.bins: 10
kern.random.yarrow.fastthresh: 192
kern.random.yarrow.slowthresh: 256
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: 0
vm.vmtotal:
System wide totals computed every five seconds: (values in kilobytes)
Processes:          (RUNQ: 1 Disk Wait: 0 Page Wait: 0 Sleep: 17)
Virtual Memory:    (Total: 1076338652K Active: 270540K)
Real Memory:       (Total: 208300K Active: 16288K)
Shared Virtual Memory: (Total: 10932K Active: 2028K)
Shared Real Memory: (Total: 2212K Active: 1800K)
Free Memory:       64593432K
vm.loadavg: { 0.40 0.44 0.24 }
vm.v_free_min: 102407
vm.v_free_target: 430826
vm.v_free_reserved: 21198
vm.v_inactive_target: 646239
vm.v_cache_min: 430826
vm.v_cache_max: 861652
vm.v_pageout_free_min: 34
vm.pageout_algorithm: 0
vm.swap_enabled: 1
vm.md_malloc_wait: 0
vm.kmem_map_free: 66447949824
vm.kmem_map_size: 79941632
vm.kmem_size_scale: 1
vm.kmem_size_max: 329853485875
vm.kmem_size_min: 0
vm.kmem_size: 66527924224
vm.nswapdev: 0
vm.dmmmax: 32
vm.swap_async_max: 4
vm.overcommit: 0
vm.swap_reserved: 220917760
vm.swap_total: 0
vm.swap_count: 91
vm.zone_count: 91
vm.swap_idle_threshold2: 10
vm.swap_idle_threshold1: 2
vm.kstacks: 222
vm.kstack_cache_size: 128
vm.exec_map_entries: 16
vm.stats.misc.zero_page_count: 26
vm.stats.misc.cnt_prezero: 0
vm.stats.vm.v_kthreadpages: 0
vm.stats.vm.v_rforkpages: 0
vm.stats.vm.v_vforkpages: 79904
vm.stats.vm.v_forkpages: 322889
vm.stats.vm.v_kthreads: 18
vm.stats.vm.v_rforks: 0
vm.stats.vm.v_vforks: 158
vm.stats.vm.v_forks: 636
vm.stats.vm.v_interrupt_free_min: 2
vm.stats.vm.v_pageout_free_min: 34
vm.stats.vm.v_cache_max: 861652
vm.stats.vm.v_cache_min: 430826
vm.stats.vm.v_cache_count: 0
vm.stats.vm.v_inactive_count: 3154
vm.stats.vm.v_inactive_target: 646239
vm.stats.vm.v_active_count: 2833
vm.stats.vm.v_wire_count: 87742
vm.stats.vm.v_free_count: 16148358
vm.stats.vm.v_free_min: 102407
vm.stats.vm.v_free_target: 430826
vm.stats.vm.v_free_reserved: 21198
vm.stats.vm.v_page_count: 16242169
vm.stats.vm.v_page_size: 4096
vm.stats.vm.v_tfree: 250365

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vm.stats.vm.v_pfree: 39655
vm.stats.vm.v_dfree: 0
vm.stats.vm.v_tcached: 0
vm.stats.vm.v_pdpages: 0
vm.stats.vm.v_pdwakeup: 0
vm.stats.vm.v_reactivated: 0
vm.stats.vm.v_intrans: 0
vm.stats.vm.v_vnodepgsout: 0
vm.stats.vm.v_vnodepgsin: 2378
vm.stats.vm.v_vnodeout: 0
vm.stats.vm.v_vnodein: 347
vm.stats.vm.v_swappgsout: 0
vm.stats.vm.v_swappgsin: 0
vm.stats.vm.v_swapout: 0
vm.stats.vm.v_swapin: 0
vm.stats.vm.v_ozfod: 0
vm.stats.vm.v_zfod: 26881
vm.stats.vm.v_cow_optim: 88
vm.stats.vm.v_cow_faults: 25901
vm.stats.vm.v_vm_faults: 87858
vm.stats.sys.v_soft: 36503
vm.stats.sys.v_intr: 47218
vm.stats.sys.v_syscall: 357591
vm.stats.sys.v_trap: 60817
vm.stats.sys.v_swtrch: 223560
vm.stats.object.bypasses: 163
vm.stats.object.collapses: 1900
vm.v_free_severe: 61802
vm.old_mlock: 1
vm.old_msync: 0
vm.tryrelock_restart: 0
vm.boot_pages: 64
vm.max_wired: 5387930
vm.pageout_lock_miss: 0
vm.disable_swapspace_pageouts: 0
vm.defer_swapspace_pageouts: 0
vm.swap_idle_enabled: 0
vm.pageout_stats_interval: 5
vm.pageout_full_stats_interval: 20
vm.pageout_stats_max: 430826
vm.max_laundry: 32
vm.phys_segs:
SEGMENT 0:
start: 0x10000
end: 0x96000
domain: 0
free list: 0xffffffff814fa0a8
SEGMENT 1:
start: 0x100000
end: 0x200000
domain: 0
free list: 0xffffffff814fa0a8
SEGMENT 2:
start: 0x183e000
end: 0x7ab04000
domain: 0
free list: 0xffffffff814f9d00
SEGMENT 3:
start: 0x7bd5d000
end: 0x7bd5e000
domain: 0
free list: 0xffffffff814f9d00
SEGMENT 4:
start: 0x7bde4000
end: 0x7c000000
domain: 0
free list: 0xffffffff814f9d00
SEGMENT 5:
start: 0x100000000
end: 0x1003f90000
domain: 0
free list: 0xffffffff814f9d00
vm.phys_free:
FREE LIST 0:
FREE LIST 1:
vm.reserv.reclaimed: 0
vm.reserv.partpopq:
-1: 69228K, 40
vm.reserv.freed: 2295
vm.reserv.broken: 20
vm.idlezero_enable: 0
vm.kvm_free: 477821399040
vm.kvm_size: 549755809792
vm.pmap.pdpe.demotions: 3
vm.pmap.pde.promotions: 245
vm.pmap.pde.p_failures: 73437
vm.pmap.pde.mappings: 0
vm.pmap.pde.demotions: 184
vm.pmap.pg_ps_enabled: 1
vm.pmap.pat_works: 1
vfs.ufs.dirhash_reclaimage: 5

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vfs.ufs.dirhash\_lowmemcount: 0  
vfs.ufs.dirhash\_docheck: 0  
vfs.ufs.dirhash\_mem: 24528  
vfs.ufs.dirhash\_maxmem: 27111424  
vfs.ufs.dirhash\_minsize: 2560  
vfs.ufs.rename\_restarts: 0  
vfs.nfs.downdelayinitial: 12  
vfs.nfs.downdelayinterval: 30  
vfs.nfs.keytab\_etype: 1  
vfs.nfs.skip\_wcc\_data\_onerr: 1  
vfs.nfs.nfs3\_jukebox\_delay: 10  
vfs.nfs.reconnects: 0  
vfs.nfs.bufpackets: 4  
vfs.nfs.debuglevel: 0  
vfs.nfs.callback\_addr:  
vfs.nfs.realign\_count: 0  
vfs.nfs.realign\_test: 0  
vfs.nfs.nfs\_directio\_allow\_mmap: 1  
vfs.nfs.nfs\_keep\_dirty\_on\_error: 0  
vfs.nfs.nfs\_directio\_enable: 0  
vfs.nfs.clean\_pages\_on\_close: 1  
vfs.nfs.commit\_on\_close: 0  
vfs.nfs.prime\_access\_cache: 0  
vfs.nfs.access\_cache\_timeout: 60  
vfs.nfs.diskless\_rootpath:  
vfs.nfs.diskless\_valid: 0  
vfs.nfs.nfs\_ip\_paranoia: 1  
vfs.nfs.defect: 0  
vfs.nfs.iodmax: 20  
vfs.nfs.iodmin: 0  
vfs.nfs.iodmaxidle: 120  
vfs.devfs.rule\_depth: 1  
vfs.devfs.generation: 133  
vfs.nfsd.disable\_checkutf8: 0  
vfs.nfsd.server\_max\_nfsvers: 4  
vfs.nfsd.server\_min\_nfsvers: 2  
vfs.nfsd.nfs\_privport: 0  
vfs.nfsd.async: 0  
vfs.nfsd.enable\_stringtoid: 0  
vfs.nfsd.enable\_locallocks: 0  
vfs.nfsd.issue\_delegations: 0  
vfs.nfsd.commit\_miss: 0  
vfs.nfsd.commit\_blks: 0  
vfs.nfsd.mirrormnt: 1  
vfs.nfsd.cachetcp: 1  
vfs.nfsd.tpcachetimeo: 43200  
vfs.nfsd.udphighwater: 500  
vfs.nfsd.tcphighwater: 0  
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.misses: 0  
vfs.pfs.vncache.hits: 0  
vfs.pfs.vncache.maxentries: 0  
vfs.pfs.vncache.entries: 0  
vfs.acl\_nfs4\_old\_semantics: 0  
vfs.flushwithdeps: 0  
vfs.unmapped\_buf\_allowed: 1  
vfs.barrierwrites: 0  
vfs.notbufdflashes: 0  
vfs.flushbufqtarget: 100  
vfs.mappingrestarts: 0  
vfs.getnewbufrestarts: 0  
vfs.getnewbufcalls: 485  
vfs.hifreebuffers: 11780  
vfs.lofreebuffers: 5890  
vfs.numfreebuffers: 105925  
vfs.dirtybufthresh: 23851  
vfs.hidirtybuffers: 26502  
vfs.lodirtybuffers: 13251  
vfs.numdirtybuffers: 6  
vfs.recursiveflushes: 0  
vfs.altbufferflushes: 0  
vfs.bdwriteskip: 0  
vfs.dirtybufferflushes: 0  
vfs.hirunningspace: 1677216  
vfs.lorunningspace: 11206656  
vfs.bufdefragcnt: 0  
vfs.buffreekvacnt: 10

vfs.bufreusecnt: 471  
vfs.hibufspace: 1734918144  
vfs.lobufspace: 1734852608  
vfs.maxmallocbufspace: 86745907  
vfs.bufmallospace: 0  
vfs.maxbufspace: 1735573504  
vfs.unmapped\_bufspace: 3096576  
vfs.bufspace: 6791168  
vfs.runningbufspace: 0  
vfs.vmiodiarenable: 1  
vfs.cache.numfullpathfound: 15  
vfs.cache.numfullpathfail4: 0  
vfs.cache.numfullpathfail2: 0  
vfs.cache.numfullpathfail1: 0  
vfs.cache.numfullpathcalls: 15  
vfs.cache.numupgrades: 2  
vfs.cache.numneghits: 1521  
vfs.cache.numnegzaps: 33  
vfs.cache.numposhits: 17585  
vfs.cache.numposzaps: 26  
vfs.cache.nummisszap: 4  
vfs.cache.nummiss: 1220  
vfs.cache.numchecks: 19167  
vfs.cache.dotdothits: 11  
vfs.cache.dothits: 279  
vfs.cache.numcalls: 20679  
vfs.cache.numcache: 458  
vfs.cache.numneg: 28  
vfs.ncsizefactor: 2  
vfs.ncnegfactor: 16  
vfs.read\_min: 1  
vfs.read\_max: 64  
vfs.write\_behind: 1  
vfs.typhenumhash: 1  
vfs.lookup\_shared: 1  
vfs.usermount: 0  
vfs.worklist\_len: 4  
vfs.timestamp\_precision: 0  
vfs.reassignbufcalls: 371  
vfs.vlru\_allow\_cache\_src: 0  
vfs.freevnodes: 26  
vfs.wantfreevnodes: 289920  
vfs.numvnodes: 481  
vfs.ffi.dorealloclbks: 1  
vfs.ffi.doasyncfree: 1  
vfs.ffi.compute\_summary\_at\_mount: 0  
net.local.stream.recvspace: 8192  
net.local.stream.sendspace: 8192  
net.local.dgram.recvspace: 4096  
net.local.dgram.maxdgram: 2048  
net.local.seqpacket.recvspace: 8192  
net.local.seqpacket.maxseqpacket: 8192  
net.local.taskcount: 0  
net.local.recycled: 0  
net.local.deferred: 0  
net.local.inflight: 0  
net.inet.ip.portrange.randomtime: 45  
net.inet.ip.portrange.randomcps: 10  
net.inet.ip.portrange.randomized: 1  
net.inet.ip.portrange.reservedlow: 0  
net.inet.ip.portrange.reservedhigh: 1023  
net.inet.ip.portrange.hilast: 65535  
net.inet.ip.portrange.hifirst: 49152  
net.inet.ip.portrange.last: 65535  
net.inet.ip.portrange.first: 10000  
net.inet.ip.portrange.lowlast: 600  
net.inet.ip.portrange.lowfirst: 1023  
net.inet.ip.forwarding: 0  
net.inet.ip.redirect: 1  
net.inet.ip.ttl: 64  
net.inet.ip.rtxpire: 3600  
net.inet.ip.rtmixpire: 10  
net.inet.ip.rtmaxcache: 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.same\_prefix\_carp\_only: 0  
net.inet.ip.random\_id\_total: 0  
net.inet.ip.random\_id\_collisions: 0  
net.inet.ip.random\_id\_period: 8192  
net.inet.ip.mcast.loop: 1  
net.inet.ip.mcast.maxsocksrc: 128  
net.inet.ip.mcast.maxgrpsrc: 512  
net.inet.ip.fastforwarding: 0  
net.inet.ip.maxfragpackets: 126891  
net.inet.ip.maxfragsperpacket: 16  
net.inet.ip.fragpackets: 0  
net.inet.ip.check\_interface: 0

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net.inet.ip.random_id: 0
net.inet.ip.sendsourcequench: 0
net.inet.ip.process_options: 1
net.inet.icmp.maskrepl: 0
net.inet.icmp.icmplim: 200
net.inet.icmp.drop_redirect: 0
net.inet.icmp.bmcastecho: 0
net.inet.icmp.quotelen: 8
net.inet.icmp.reply_from_interface: 0
net.inet.icmp.reply_src:
net.inet.icmp.log_redirect: 0
net.inet.icmp.maskfake: 0
net.inet.icmp.icmplim_output: 1
net.inet.igmp.gsrdelay: 10
net.inet.igmp.default_version: 3
net.inet.igmp.legacysupp: 0
net.inet.igmp.v2enable: 1
net.inet.igmp.v1enable: 1
net.inet.igmp.sendlocal: 1
net.inet.igmp.sendra: 1
net.inet.igmp.recvifkludge: 1
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.keeppinit: 75000
net.inet.tcp.delacktime: 100
net.inet.tcp.v6mssdflt: 1220
net.inet.tcp.cc.available: newreno
net.inet.tcp.cc.algorithm: newreno
net.inet.tcp.hostcache.purge: 0
net.inet.tcp.hostcache.prune: 300
net.inet.tcp.hostcache.expire: 3600
net.inet.tcp.hostcache.count: 1
net.inet.tcp.hostcache.bucketlimit: 30
net.inet.tcp.hostcache.hashsize: 512
net.inet.tcp.hostcache.cachelimit: 15360
net.inet.tcp.recvbuf_max: 2097152
net.inet.tcp.recvbuf_inc: 16384
net.inet.tcp.recvbuf_auto: 1
net.inet.tcp.insecure_rst: 0
net.inet.tcp.ecn.maxretries: 1
net.inet.tcp.ecn.enable: 0
net.inet.tcp.abc_l_var: 2
net.inet.tcp.rfc3465: 1
net.inet.tcp.experimental.initswnd10: 1
net.inet.tcp.rfc3390: 1
net.inet.tcp.rfc3042: 1
net.inet.tcp.drop_synfin: 0
net.inet.tcp.delayed_ack: 1
net.inet.tcp.blackhole: 0
net.inet.tcp.log_in_vain: 0
net.inet.tcp.sendbuf_max: 2097152
net.inet.tcp.sendbuf_inc: 8192
net.inet.tcp.sendbuf_auto: 1
net.inet.tcp.tso: 1
net.inet.tcp.path_mtu_discovery: 1
net.inet.tcp.reass.overflows: 0
net.inet.tcp.reass.cursgments: 0
net.inet.tcp.reass.maxsegments: 253848
net.inet.tcp.sack.globalholes: 0
net.inet.tcp.sack.globalmaxholes: 65536
net.inet.tcp.sack.maxholes: 128
net.inet.tcp.sack.enable: 1
net.inet.tcp.soreceive_stream: 0
net.inet.tcp.isn_reseed_interval: 0
net.inet.tcp.icmp_may_rst: 1
net.inet.tcp.pcbcount: 0
net.inet.tcp.do_tcpdrain: 1
net.inet.tcp.tcbhashsize: 512
net.inet.tcp.log_debug: 0
net.inet.tcp.minmss: 216
net.inet.tcp.syncache.rst_on_sock_fail: 1
net.inet.tcp.syncache.rexmtlimit: 3
net.inet.tcp.syncache.hashsize: 512
net.inet.tcp.syncache.count: 0
net.inet.tcp.syncache.cachelimit: 15375
net.inet.tcp.syncache.bucketlimit: 30
net.inet.tcp.syncookies_only: 0
net.inet.tcp.syncookies: 1
net.inet.tcp.timer_race: 0
net.inet.tcp.per_cpu_timers: 0
net.inet.tcp.rexmit_drop_options: 1
net.inet.tcp.keeppcnt: 8
net.inet.tcp.finwait2_timeout: 60000
net.inet.tcp.fast_finwait2_recycle: 0
net.inet.tcp.always_keepalive: 1
net.inet.tcp.rexmit_slop: 200
net.inet.tcp.rexmit_min: 30
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net.inet.tcp.msl: 30000
net.inet.tcp.nolocaltimewait: 0
net.inet.tcp.maxtcpw: 27767
net.inet.udp.checksum: 1
net.inet.udp.maxdgram: 9216
net.inet.udp.recvspace: 42080
net.inet.udp.blackhole: 0
net.inet.udp.log_in_vain: 0
net.inet.sctp.diag_info_code: 0
net.inet.sctp.blackhole: 0
net.inet.sctp.use_dcccecn: 1
net.inet.sctp.rttvar_steady_step: 20
net.inet.sctp.rttvar_eqret: 0
net.inet.sctp.rttvar_rtt: 5
net.inet.sctp.rttvar_bw: 4
net.inet.sctp.initial_cwnd: 3
net.inet.sctp.buffer_splitting: 0
net.inet.sctp.vtag_time_wait: 60
net.inet.sctp.nat_friendly_init: 0
net.inet.sctp.enable_sack_immediately: 0
net.inet.sctp.udp_tunneling_port: 0
net.inet.sctp.mobility_fasthandoff: 0
net.inet.sctp.mobility_base: 0
net.inet.sctp.default_frag_interleave: 1
net.inet.sctp.default_ss_module: 0
net.inet.sctp.default_cc_module: 0
net.inet.sctp.log_level: 0
net.inet.sctp.max_retran_chunk: 30
net.inet.sctp.min_residual: 1452
net.inet.sctp.strict_data_order: 0
net.inet.sctp.abort_at_limit: 0
net.inet.sctp.hb_max_burst: 4
net.inet.sctp.do_sctp_drain: 1
net.inet.sctp.max_chained_mbufs: 5
net.inet.sctp.abc_l_var: 2
net.inet.sctp.nat_friendly: 1
net.inet.sctp.auth_disable: 0
net.inet.sctp.asconf_auth_nochk: 0
net.inet.sctp.cwnd_maxburst: 1
net.inet.sctp.cmt_use_dac: 0
net.inet.sctp.nr_sack_on_off: 0
net.inet.sctp.cmt_on_off: 0
net.inet.sctp.outgoing_streams: 10
net.inet.sctp.incoming_streams: 2048
net.inet.sctp.add_more_on_output: 1452
net.inet.sctp.path_pf_threshold: 65535
net.inet.sctp.path_rtx_max: 5
net.inet.sctp.assoc_rtx_max: 10
net.inet.sctp.init_rtx_max: 8
net.inet.sctp.valid_cookie_life: 60000
net.inet.sctp.init_rto_max: 60000
net.inet.sctp.rto_initial: 3000
net.inet.sctp.rto_min: 1000
net.inet.sctp.rto_max: 60000
net.inet.sctp.secret_lifetime: 3600
net.inet.sctp.shutdown_guard_time: 180
net.inet.sctp.pmtu_raise_time: 600
net.inet.sctp.heartbeat_interval: 30000
net.inet.sctp.asoc_resource: 10
net.inet.sctp.sys_resource: 1000
net.inet.sctp.sack_freq: 2
net.inet.sctp.delayed_sack_time: 200
net.inet.sctp.chunkscale: 10
net.inet.sctp.min_split_point: 2904
net.inet.sctp.pcbhashsize: 256
net.inet.sctp.tcbhashsize: 1024
net.inet.sctp.maxchunks: 507567
net.inet.sctp.fr_maxburst: 4
net.inet.sctp.maxburst: 4
net.inet.sctp.peer_chkoh: 256
net.inet.sctp.strict_sacks: 1
net.inet.sctp.ecn_enable: 1
net.inet.sctp.auto_asconf: 1
net.inet.sctp.recvspace: 1864135
net.inet.sctp.sendspace: 1864135
net.inet.raw.recvspace: 9216
net.inet.raw.maxdgram: 9216
net.inet.accf.unloadable: 0
net.link.generic.system.ifcount: 6
net.link.ether.inet.allow_multicast: 0
net.link.ether.inet.log_arp_permanent_modify: 1
net.link.ether.inet.log_arp_movements: 1
net.link.ether.inet.log_arp_wrong_iface: 1
net.link.ether.inet.maxhold: 1
net.link.ether.inet.wait: 20
net.link.ether.inet.proxyall: 0
net.link.ether.inet.useloopback: 1
net.link.ether.inet.maxtries: 5
net.link.ether.inet.max_age: 1200
net.link.ether.ipfw: 0
net.link.vlan.soft_pad: 0
```

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net.link.gif.parallel_tunnels: 0
net.link.gif.max_nesting: 1
net.link.log_link_state_change: 1
net.link.ifqmaxlen: 50
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: 1015135
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.rtmmaxcache: 128
net.inet6.ip6.use_tempaddr: 0
net.inet6.ip6.temppltime: 86400
net.inet6.ip6.tempvltime: 604800
net.inet6.ip6.auto_linklocal: 1
net.inet6.ip6.prefer_tempaddr: 0
net.inet6.ip6.use_defaultzone: 0
net.inet6.ip6.maxfrags: 1015135
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.loop: 1
net.inet6.ip6.mcast.maxsocksrc: 128
net.inet6.ip6.mcast.maxgrpsrc: 512
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_olmcprefix: 1
net.inet6.icmp6.nd6_onlink_ns_rfc4861: 0
net.inet6.mld.use_allow: 1
net.inet6.mld.vlenable: 1
net.inet6.mld.gsrdelay: 10
net.bpf.optimize_writers: 0
net.bpf.zerocopy_enable: 0
net.bpf.maxinsns: 512
net.bpf.maxbufsize: 524288
net.bpf.bufsize: 4096
net.ifdescr_maxlen: 1024
net.isr.numthreads: 1
net.isr.maxprot: 16
net.isr.defaultqlimit: 256
net.isr.maxqlimit: 10240
net.isr.bindthreads: 0
net.isr.maxthreads: 1
net.isr.direct: 0
net.isr.direct_force: 0
net.isr.dispatch: direct
net.raw.recvspace: 8192
net.raw.sendspace: 8192
net.my_fibnum: 0
net.add_addr_allfibs: 1
net.fibs: 1
net.route.netisr_maxqlen: 256
net.wlan.cac_timeout: 60
net.wlan.nol_timeout: 1800
net.wlan.debug: 0
net.wlan.addba_maxtries: 3
net.wlan.addba_backoff: 10000
net.wlan.addba_timeout: 250
net.wlan.recv_bar: 1
net.wlan.ampdu_age: 500
net.wlan.hwmp.inact: 5000
net.wlan.hwmp.rannint: 1000
net.wlan.hwmp.rootint: 2000
net.wlan.hwmp.roottimeout: 5000
net.wlan.hwmp.pathlifetime: 5000
net.wlan.hwmp.replyforward: 1
net.wlan.hwmp.targetonly: 0
net.wlan.mesh.maxretries: 2
net.wlan.mesh.confirmtimeout: 40
```

net.wlan.mesh.holdingtimeout: 40  
net.wlan.mesh.retrytimeout: 40  
debug.acpi.max\_threads: 3  
debug.acpi.max\_tasks: 256  
debug.acpi.suspend\_bounce: 0  
debug.acpi.reset\_clock: 1  
debug.acpi.interpreter\_slack: 1  
debug.acpi.enable\_debug\_objects: 0  
debug.acpi.acpi\_ca\_version: 20110527  
debug.acpi.cpu\_unordered: 0  
debug.acpi.ec.timeout: 750  
debug.acpi.ec.pollled: 0  
debug.acpi.ec.burst: 0  
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.bootverbose: 0  
debug.bothowto: 0  
debug.cpubufreq.verbose: 0  
debug.cpubufreq.lowest: 0  
debug.fail\_point.sysctl\_running: off  
debug.fail\_point.buf\_pressure: off  
debug.fail\_point.nlm\_deny\_grant: off  
debug.adaptive\_machine\_arch: 1  
debug.sizeof.cdev\_priv: 376  
debug.sizeof.cdev: 288  
debug.sizeof.g\_bioq: 56  
debug.sizeof.g\_consumer: 96  
debug.sizeof.g\_provider: 136  
debug.sizeof.g\_geom: 160  
debug.sizeof.g\_class: 160  
debug.sizeof.kinfo\_proc: 1088  
debug.sizeof.buf: 616  
debug.sizeof.bio: 248  
debug.sizeof.proc: 1192  
debug.sizeof.vnode: 504  
debug.sizeof.devstat: 288  
debug.sizeof.namecache: 72  
debug.osd: 0  
debug.trace\_on\_panic: 1  
debug.debugger\_on\_panic: 1  
debug.ncores: 5  
debug.to\_avg\_mpcalls: 500  
debug.to\_avg\_lockcalls: 131  
debug.to\_avg\_gcalls: 515  
debug.to\_avg\_depth: 1453  
debug.umtx.umtx\_pi\_allocated: 0  
debug.clocktime: 0  
debug.kdb.alt\_break\_to\_debugger: 0  
debug.kdb.break\_to\_debugger: 0  
debug.kdb.trap\_code: 0  
debug.kdb.trap: 0  
debug.kdb.panic: 0  
debug.kdb.enter: 0  
debug.kdb.current:  
debug.rman\_debug: 0  
debug.devfs\_iosize\_max\_clamp: 1  
debug.iosize\_max\_clamp: 1  
debug.disablefullpath: 0  
debug.disablecwd: 0  
debug.vfscache: 1  
debug.numcachehv: 41  
debug.numcache: 458  
debug.numneg: 28  
debug.nchash: 2097151  
debug.vnlru\_nowhere: 0  
debug.rush\_requests: 0  
debug.vn\_io\_faults: 0  
debug.vn\_io\_fault\_enable: 0  
debug.if\_tun\_debug: 0  
debug.nlm\_debug: 0  
debug.fsckcmds: 0  
debug.collectsnapstats: 0  
debug.snapdebug: 0  
debug.dopersistence: 0  
debug.softdep.flushcache: 0  
debug.softdep.cleanup\_failures: 0  
debug.softdep.cleanup\_retries: 0  
debug.softdep.cleanup\_high\_delay: 0  
debug.softdep.cleanup\_inorequests: 0  
debug.softdep.cleanup\_blkrequests: 0  
debug.softdep.jwait\_newblk: 0  
debug.softdep.jwait\_inode: 0  
debug.softdep.jwait\_freeblks: 0  
debug.softdep.jwait\_filepage: 0  
debug.softdep.journal\_wait: 0  
debug.softdep.journal\_min: 0



debug.softdep.journal\_low: 0  
debug.softdep.jnewblk\_rollback: 0  
debug.softdep.jaddrf\_rollback: 0  
debug.softdep.dir\_entry: 0  
debug.softdep.direct\_blk\_ptrs: 0  
debug.softdep.inode\_bitmap: 0  
debug.softdep.indir\_blk\_ptrs: 0  
debug.softdep.sync\_limit\_hit: 0  
debug.softdep.ino\_limit\_hit: 0  
debug.softdep.blk\_limit\_hit: 0  
debug.softdep.ino\_limit\_push: 0  
debug.softdep.blk\_limit\_push: 0  
debug.softdep.worklist\_push: 0  
debug.softdep.maxindirdeps: 50  
debug.softdep.tickdelay: 2  
debug.softdep.max\_softdeps: 4638732  
debug.softdep.write.jfsync: 0  
debug.softdep.write.jtrunc: 0  
debug.softdep.write.sbdep: 0  
debug.softdep.write.jsegdep: 0  
debug.softdep.write.jseg: 0  
debug.softdep.write.jfreefrag: 0  
debug.softdep.write.jfreeblk: 0  
debug.softdep.write.jnewblk: 0  
debug.softdep.write.jmvref: 0  
debug.softdep.write.jremref: 0  
debug.softdep.write.jaddrf: 0  
debug.softdep.write.freedep: 0  
debug.softdep.write.freework: 0  
debug.softdep.write.newdirblk: 0  
debug.softdep.write.dirrem: 0  
debug.softdep.write.mkdir: 0  
debug.softdep.write.diradd: 0  
debug.softdep.write.freefile: 0  
debug.softdep.write.freeblks: 0  
debug.softdep.write.freefrag: 0  
debug.softdep.write.allocindir: 0  
debug.softdep.write.indirdep: 0  
debug.softdep.write.allocdirect: 0  
debug.softdep.write.newblk: 0  
debug.softdep.write.bmsafemap: 0  
debug.softdep.write.inodedep: 0  
debug.softdep.write.pagedep: 0  
debug.softdep.current.jfsync: 0  
debug.softdep.current.jtrunc: 0  
debug.softdep.current.sbdep: 0  
debug.softdep.current.jsegdep: 0  
debug.softdep.current.jseg: 0  
debug.softdep.current.jfreefrag: 0  
debug.softdep.current.jfreeblk: 0  
debug.softdep.current.jnewblk: 0  
debug.softdep.current.jmvref: 0  
debug.softdep.current.jremref: 0  
debug.softdep.current.jaddrf: 0  
debug.softdep.current.freedep: 0  
debug.softdep.current.freework: 0  
debug.softdep.current.newdirblk: 0  
debug.softdep.current.dirrem: 0  
debug.softdep.current.mkdir: 0  
debug.softdep.current.diradd: 0  
debug.softdep.current.freefile: 0  
debug.softdep.current.freeblks: 0  
debug.softdep.current.freefrag: 0  
debug.softdep.current.allocindir: 0  
debug.softdep.current.indirdep: 0  
debug.softdep.current.allocdirect: 0  
debug.softdep.current.newblk: 0  
debug.softdep.current.bmsafemap: 0  
debug.softdep.current.inodedep: 0  
debug.softdep.current.pagedep: 0  
debug.softdep.highuse.jfsync: 0  
debug.softdep.highuse.jtrunc: 0  
debug.softdep.highuse.sbdep: 0  
debug.softdep.highuse.jsegdep: 0  
debug.softdep.highuse.jseg: 0  
debug.softdep.highuse.jfreefrag: 0  
debug.softdep.highuse.jfreeblk: 0  
debug.softdep.highuse.jnewblk: 0  
debug.softdep.highuse.jmvref: 0  
debug.softdep.highuse.jremref: 0  
debug.softdep.highuse.jaddrf: 0  
debug.softdep.highuse.freedep: 0  
debug.softdep.highuse.freework: 0  
debug.softdep.highuse.newdirblk: 0  
debug.softdep.highuse.dirrem: 0  
debug.softdep.highuse.mkdir: 0  
debug.softdep.highuse.diradd: 0  
debug.softdep.highuse.freefile: 0  
debug.softdep.highuse.freeblks: 0  
debug.softdep.highuse.freefrag: 0  
debug.softdep.highuse.allocindir: 0

debug.softdep.highuse.indirdep: 0  
debug.softdep.highuse.allocdirect: 0  
debug.softdep.highuse.newblk: 0  
debug.softdep.highuse.bmsafemap: 0  
debug.softdep.highuse.inodedep: 0  
debug.softdep.highuse.pagedep: 0  
debug.softdep.total.jfsync: 0  
debug.softdep.total.jtrunc: 0  
debug.softdep.total.sbdep: 0  
debug.softdep.total.jsegdep: 0  
debug.softdep.total.jseg: 0  
debug.softdep.total.jfreefrag: 0  
debug.softdep.total.jfreeblk: 0  
debug.softdep.total.jnewblk: 0  
debug.softdep.total.jmvref: 0  
debug.softdep.total.jremref: 0  
debug.softdep.total.jaddref: 0  
debug.softdep.total.freedeep: 0  
debug.softdep.total.freework: 0  
debug.softdep.total.newdirblk: 0  
debug.softdep.total.dirrem: 0  
debug.softdep.total.mkdir: 0  
debug.softdep.total.diradd: 0  
debug.softdep.total.freefile: 0  
debug.softdep.total.freeblks: 0  
debug.softdep.total.freefrag: 0  
debug.softdep.total.alloccindir: 0  
debug.softdep.total.indirdep: 0  
debug.softdep.total.allocdirect: 0  
debug.softdep.total.newblk: 0  
debug.softdep.total.bmsafemap: 0  
debug.softdep.total.inodedep: 0  
debug.softdep.total.pagedep: 0  
debug.dobkgrdwrite: 1  
debug.bigcgs: 0  
debug.dircheck: 0  
debug.psm.pkterrthresh: 2  
debug.psm.usecs: 500000  
debug.psm.secs: 0  
debug.psm.errusecs: 0  
debug.psm.errsecs: 2  
debug.psm.hz: 20  
debug.psm.loglevel: 0  
debug.vesa.shadow\_rom: 0  
debug.fdc.settle: 0  
debug.fdc.spec2: 16  
debug.fdc.spec1: 175  
debug.fdc.retries: 10  
debug.fdc.debugflags: 0  
debug.fdc.fifo: 8  
debug.elf32\_legacy\_coredump: 0  
debug.x86bios.int: 0  
debug.x86bios.call: 0  
debug.hwpstate\_verbos: 0  
debug.minidump: 1  
hw.machine: amd64  
hw.model: Intel(R) Xeon(R) CPU E5-2603 v3 @ 1.60GHz  
hw.ncpu: 12  
hw.byteorder: 1234  
hw.physmem: 68608757760  
hw.usermem: 68249341952  
hw.pagesize: 4096  
hw.floatingpoint: 1  
hw.machine\_arch: amd64  
hw.realmem: 70866960384  
hw.aac.enable\_msi: 1  
hw.amr.force\_sg32: 0  
hw.an.an\_cache\_iponly: 1  
hw.an.an\_cache\_mcastonly: 0  
hw.an.an\_cache\_mode: dbm  
hw.an.an\_dump: off  
hw.ata.ata\_dma\_check\_80pin: 1  
hw.ath.bstuck: 4  
hw.ath.txbuf: 200  
hw.ath.rxbuf: 40  
hw.ath.anical: 100  
hw.ath.resetcal: 1200  
hw.ath.shortcal: 100  
hw.ath.longcal: 30  
hw.bce.rx\_ticks: 18  
hw.bce.rx\_ticks\_int: 18  
hw.bce.rx\_quick\_cons\_trip: 6  
hw.bce.rx\_quick\_cons\_trip\_int: 6  
hw.bce.tx\_ticks: 80  
hw.bce.tx\_ticks\_int: 80  
hw.bce.tx\_quick\_cons\_trip: 20  
hw.bce.tx\_quick\_cons\_trip\_int: 20  
hw.bce.loose\_rx\_mtu: 0  
hw.bce.hdr\_split: 1  
hw.bce.tx\_pages: 2  
hw.bce.rx\_pages: 2

hw.bce.msi\_enable: 1  
hw.bce.tso\_enable: 1  
hw.bce.verbose: 1  
hw.bge.allow\_asf: 1  
hw.cardbus.cis\_debug: 0  
hw.cardbus.debug: 0  
hw.cs.recv\_delay: 570  
hw.cs.ignore\_checksum\_failure: 0  
hw.em.eee\_setting: 1  
hw.em.rx\_process\_limit: 100  
hw.em.enable\_msix: 1  
hw.em.sbp: 0  
hw.em.smart\_pwr\_down: 0  
hw.em.txd: 1024  
hw.em.rxd: 1024  
hw.em.rx\_abs\_int\_delay: 66  
hw.em.tx\_abs\_int\_delay: 66  
hw.em.rx\_int\_delay: 0  
hw.em.tx\_int\_delay: 66  
hw.igb.rx\_process\_limit: 100  
hw.igb.num\_queues: 0  
hw.igb.header\_split: 0  
hw.igb.buf\_ring\_size: 4096  
hw.igb.max\_interrupt\_rate: 8000  
hw.igb.enable\_msix: 1  
hw.igb.enable\_aim: 1  
hw.igb.txd: 1024  
hw.igb.rxd: 1024  
hw.ix.rxd: 2048  
hw.ix.txd: 2048  
hw.ix.num\_queues: 0  
hw.ix.enable\_msix: 1  
hw.ix.tx\_process\_limit: 256  
hw.ix.rx\_process\_limit: 256  
hw.ix.max\_interrupt\_rate: 31250  
hw.ix.enable\_aim: 1  
hw.malo.txbuf: 256  
hw.malo.rxquota: 256  
hw.malo.rxbuf: 256  
hw.malo.txcoalesce: 8  
hw.malo.pci.msi\_disable: 0  
hw.mfi.cmd\_timeout: 30  
hw.mfi.polled\_cmd\_timeout: 60  
hw.mfi.detect\_jbod\_change: 1  
hw.mfi.max\_cmds: 128  
hw.mfi.event\_class: 0  
hw.mfi.event\_locale: 65535  
hw.mfi.msi: 1  
hw.mwl.rxdm\_low: 3  
hw.mwl.rxquota: 640  
hw.mwl.txcoalesce: 8  
hw.mwl.txbuf: 256  
hw.mwl.rxbuf: 640  
hw.mwl.rxdesc: 256  
hw.pccard.cis\_debug: 0  
hw.pccard.debug: 0  
hw.cbb.debug: 0  
hw.cbb.start\_32\_io: 4096  
hw.cbb.start\_16\_io: 256  
hw.cbb.start\_memory: 2281701376  
hw.pci.pd6722\_vsense: 1  
hw.pci.intr\_mask: 57016  
hw.pci.clearBars: 0  
hw.pci.usb\_early\_takeover: 1  
hw.pci.honor\_msi\_blacklist: 1  
hw.pci.enable\_msix: 1  
hw.pci.enable\_msi: 1  
hw.pci.do\_power\_suspend: 1  
hw.pci.do\_power\_resume: 1  
hw.pci.do\_power\_nodriver: 0  
hw.pci.reallocBars: 0  
hw.pci.enable\_io\_modes: 1  
hw.pci.clear\_pcib: 0  
hw.pci.default\_vgapci\_unit: 0  
hw.pci.mcfg: 1  
hw.pci.host\_mem\_start: 2147483648  
hw.snd.vpc\_reset: 0  
hw.snd.vpc\_0db: 45  
hw.snd.vpc\_autoreset: 1  
hw.snd.latency\_profile: 1  
hw.snd.latency: 5  
hw.snd.report\_soft\_matrix: 1  
hw.snd.report\_soft\_formats: 1  
hw.snd.compat\_linux\_mmap: 0  
hw.snd.feeder\_eq\_exact\_rate: 0  
hw.snd.feeder\_eq\_presets: PEQ:16000,0.2500,62,0.2500:-9,9,1.0:44100,48000,88200,96000,176400,192000  
hw.snd.feeder\_rate\_quality: 1  
hw.snd.feeder\_rate\_round: 25  
hw.snd.feeder\_rate\_max: 2016000  
hw.snd.feeder\_rate\_min: 1  
hw.snd.feeder\_rate\_polyphase\_max: 183040

hw.snd.feeder\_rate\_presets: 100:8:0.85 100:36:0.92 100:164:0.97  
hw.snd.vpc\_mixer\_bypass: 1  
hw.snd.verbose: 0  
hw.snd.maxautovchans: 16  
hw.snd.default\_unit: -1  
hw.snd.version: 2009061500/amd64  
hw.snd.default\_auto: -1  
hw.midi.instrloff: 0  
hw.midi.dumpraw: 0  
hw.midi.debug: 0  
hw.midi.stat.verbose: 0  
hw.midi.seq.debug: 0  
hw.syscons.sc\_no\_suspend\_vtswitch: 0  
hw.syscons.kbd\_debug: 1  
hw.syscons.kbd\_reboot: 1  
hw.syscons.bell: 1  
hw.syscons.saver.keyonly: 1  
hw.broken\_txfifo: 0  
hw.usb.uaudio.default\_channels: 0  
hw.usb.uaudio.default\_bits: 32  
hw.usb.uaudio.default\_rate: 0  
hw.usb.uaudio.debug: 0  
hw.usb.ehci.lostintrbug: 0  
hw.usb.ehci.iaadbug: 0  
hw.usb.ehci.no\_hs: 0  
hw.usb.ehci.debug: 0  
hw.usb.ohci.debug: 0  
hw.usb.uhci.loop: 0  
hw.usb.uhci.debug: 0  
hw.usb.xhci.xhci\_port\_route: 0  
hw.usb.xhci.debug: 0  
hw.usb.no\_shutdown\_wait: 0  
hw.usb.no\_suspend\_wait: 0  
hw.usb.no\_boot\_wait: 0  
hw.usb.ctrl.debug: 0  
hw.usb.umass.throttle: 0  
hw.usb.umass.debug: 0  
hw.usb.urio.debug: 0  
hw.usb.timings.extra\_power\_up\_time: 20  
hw.usb.timings.resume\_recovery: 50  
hw.usb.timings.resume\_wait: 50  
hw.usb.timings.resume\_delay: 250  
hw.usb.timings.set\_address\_settle: 10  
hw.usb.timings.port\_resume\_delay: 40  
hw.usb.timings.port\_powerup\_delay: 300  
hw.usb.timings.port\_reset\_recovery: 250  
hw.usb.timings.port\_root\_reset\_delay: 250  
hw.usb.timings.port\_reset\_delay: 50  
hw.usb.debug: 0  
hw.usb.dev.debug: 0  
hw.usb.usb\_lang\_mask: 255  
hw.usb.usb\_lang\_id: 9  
hw.usb.template: 0  
hw.usb.ugen.debug: 0  
hw.usb.power\_timeout: 30  
hw.usb.uhub.debug: 0  
hw.usb.no\_pf: 0  
hw.usb.proc.debug: 0  
hw.usb.full\_ddesc: 0  
hw.usb.no\_cs\_fail: 0  
hw.usb.aue.debug: 0  
hw.usb.axe.debug: 0  
hw.usb.cdce.interval: 0  
hw.usb.cdce.debug: 0  
hw.usb.cue.debug: 0  
hw.usb.kue.debug: 0  
hw.usb.rue.debug: 0  
hw.usb.udav.debug: 0  
hw.usb.rum.debug: 0  
hw.usb.run.debug: 0  
hw.usb.uath.regdomain: 0  
hw.usb.uath.countrycode: 0  
hw.usb.ural.debug: 0  
hw.usb.urtw.preamble\_mode: 2  
hw.usb.zyd.debug: 0  
hw.usb.u3g.debug: 0  
hw.usb.ubsa.debug: 0  
hw.usb.uftdi.debug: 0  
hw.usb.ulpt.debug: 0  
hw.usb.uplcom.debug: 0  
hw.usb.uslcom.debug: 0  
hw.usb.uvisor.debug: 0  
hw.usb.uvscom.debug: 0  
hw.usb.ucom.cons\_baud: 9600  
hw.usb.ucom.cons\_subunit: 0  
hw.usb.ucom.cons\_unit: -1  
hw.usb.ucom.debug: 0  
hw.usb.uhid.debug: 0  
hw.usb.ukbd.no\_leds: 0  
hw.usb.ukbd.debug: 0  
hw.usb.ums.debug: 0

```
hw.wi.debug: 0
hw.wi.txerate: 0
hw.xe.debug: 0
hw.intr_storm_threshold: 1000
hw.pagesizes: 4096 2097152 0
hw.availpages: 16750185
hw.bus.devctl_queue: 1000
hw.bus.devctl_disable: 0
hw.clockrate: 1600
hw.via_feature_xcrypt: 0
hw.via_feature_rng: 0
hw.instruction_sse: 1
hw.psm.tap_timeout: 125000
hw.psm.tap_threshold: 25
hw.psm.tap_enabled: -1
hw.bxe.udp_rss: 0
hw.bxe.autogreen: 0
hw.bxe.mrrs: -1
hw.bxe.max_aggregation_size: 0
hw.bxe.rx_budget: -1
hw.bxe.hc_tx_ticks: 50
hw.bxe.hc_rx_ticks: 25
hw.bxe.max_rx_bufs: 0
hw.bxe.queue_count: 4
hw.bxe.interrupt_mode: 2
hw.bxe.debug: 0
hw.kbd.keymap_restrict_change: 0
hw.bsdma.total_bpages: 9114
hw.bsdma.zone0.total_bpages: 8196
hw.bsdma.zone0.free_bpages: 8196
hw.bsdma.zone0.reserved_bpages: 0
hw.bsdma.zone0.active_bpages: 0
hw.bsdma.zone0.total_bounced: 0
hw.bsdma.zone0.total_deferred: 0
hw.bsdma.zone0.lowaddr: 0xffffffffffff
hw.bsdma.zone0.alignment: 4096
hw.bsdma.zone1.total_bpages: 918
hw.bsdma.zone1.free_bpages: 917
hw.bsdma.zone1.reserved_bpages: 0
hw.bsdma.zone1.active_bpages: 1
hw.bsdma.zone1.total_bounced: 76
hw.bsdma.zone1.total_deferred: 0
hw.bsdma.zone1.lowaddr: 0xffffffff
hw.bsdma.zone1.alignment: 4096
hw.apic.enable_extint: 0
hw.mca.erratum383: 0
hw.mca.amd10h_L1TP: 1
hw.mca.enabled: 1
hw.mca.count: 0
hw.mca.interval: 3600
hw.mca.force_scan: 0
hw.mca.cmc_throttle: 60
hw.acpi.supported_sleep_state: S4 S5
hw.acpi.power_button_state: S5
hw.acpi.sleep_button_state: S4
hw.acpi.lid_switch_state: NONE
hw.acpi.standby_state: NONE
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.wall_cmos_clock: 0
machdep.adjkerntz: 0
machdep.disable_rtc_set: 0
machdep.disable_mtrrs: 0
machdep.idle: acpi
machdep.idle_available: spin, mwait, hlt, acpi
machdep.idle_mwait: 1
machdep.max_ldt_segment: 1024
machdep.uprintf_signal: 0
machdep.prot_fault_translation: 0
machdep.panic_on_nmi: 1
machdep.kdb_on_nmi: 1
machdep.acpi_root: 984368
machdep.i8254_freq: 1193182
machdep.tsc_freq: 1600029968
machdep.disable_tsc_calibration: 0
machdep.disable_tsc: 0
user.cs_path: /usr/bin:/bin:/usr/sbin:/sbin
user.bc_base_max: 99
user.bc_dim_max: 2048
user.bc_scale_max: 99
user.bc_string_max: 1000
user.coll_weights_max: 0
```

user.expr\_nest\_max: 32  
user.line\_max: 2048  
user.re\_dup\_max: 255  
user.posix2\_version: 199212  
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: 20  
user.tzname\_max: 255  
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  
security.jail.param.allow.mount.zfs: 0  
security.jail.param.allow.mount.procfs: 0  
security.jail.param.allow.mount.nullfs: 0  
security.jail.param.allow.mount.devfs: 0  
security.jail.param.allow.mount.: 0  
security.jail.param.allow.socket\_af: 0  
security.jail.param.allow.quotas: 0  
security.jail.param.allow.chflags: 0  
security.jail.param.allow.raw\_sockets: 0  
security.jail.param.allow.sysvipc: 0  
security.jail.param.allow.set\_hostname: 0  
security.jail.param.ip6.saddrsel: 0  
security.jail.param.ip6.: 0  
security.jail.param.ip4.saddrsel: 0  
security.jail.param.ip4.: 0  
security.jail.param.cpuset.id: 0  
security.jail.param.host.hostid: 0  
security.jail.param.host.hostuid: 64  
security.jail.param.host.domainname: 256  
security.jail.param.host.hostname: 256  
security.jail.param.host.: 0  
security.jail.param.children.max: 0  
security.jail.param.children.cur: 0  
security.jail.param.dying: 0  
security.jail.param.persist: 0  
security.jail.param.devfs\_ruleset: 0  
security.jail.param.enforce\_statfs: 0  
security.jail.param.securelevel: 0  
security.jail.param.path: 1024  
security.jail.param.name: 256  
security.jail.param.parent: 0  
security.jail.param.jid: 0  
security.jail.devfs\_ruleset: 0  
security.jail.enforce\_statfs: 2  
security.jail.mount\_zfs\_allowed: 0  
security.jail.mount\_procfs\_allowed: 0  
security.jail.mount\_nullfs\_allowed: 0  
security.jail.mount\_devfs\_allowed: 0  
security.jail.mount\_allowed: 0  
security.jail.chflags\_allowed: 0  
security.jail.allow\_raw\_sockets: 0  
security.jail.sysvipc\_allowed: 0  
security.jail.socket\_unixiproute\_only: 1  
security.jail.set\_hostname\_allowed: 1  
security.jail.jail\_max\_af\_ips: 255  
security.jail.vnet: 0  
security.jail.jailed: 0  
security.bsd.map\_at\_zero: 0  
security.bsd.unprivileged\_mlock: 0  
security.bsd.suser\_enabled: 1  
security.bsd.unprivileged\_proc\_debug: 1  
security.bsd.conservative\_signals: 1

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security.bsd.see_other_gids: 1
security.bsd.see_other_uids: 1
security.bsd.unprivileged_idprio: 0
security.bsd.unprivileged_read_msgbuf: 1
security.bsd.hardlink_check_gid: 0
security.bsd.hardlink_check_uid: 0
security.bsd.unprivileged_get_quota: 0
security.bsd.stack_guard_page: 0
security.mac.labeled: 0
security.mac.max_slots: 4
security.mac.version: 4
security.mac.mmap_revocation_via_cow: 0
security.mac.mmap_revocation: 1
compat.ia32.maxvmem: 0
compat.ia32.maxssiz: 67108864
compat.ia32.maxdsiz: 536870912
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: AMI 0694
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.LPC0.XTRA
dev.acpi_sysresource.0.%pnpinfo: _HID=PNP0C02 _UID=16
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.LPC0.SIO1
dev.acpi_sysresource.1.%pnpinfo: _HID=PNP0C02 _UID=0
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.RP04.PPF1
dev.acpi_sysresource.2.%pnpinfo: _HID=PNP0C01 _UID=241
dev.acpi_sysresource.2.%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=none _UID=0
dev.cpu.0.%parent: acpi0
dev.cpu.0.%freq: 1600
dev.cpu.0.%freq_levels: 1600/85000 1500/78152 1400/72277 1300/66521 1200/60883 1050/53272 900/45662 750/38051 600/30441 450/22831 300/15220
150/7610
dev.cpu.0.%cx_supported: C1/1/1 C2/2/41
dev.cpu.0.%cx_lowest: C1
dev.cpu.0.%cx_usage: 100.00% 0.00% last 5115us
dev.cpu.1.%desc: ACPI CPU
dev.cpu.1.%driver: cpu
dev.cpu.1.%location: handle=\_SB_.SCK0.CP01
dev.cpu.1.%pnpinfo: _HID=none _UID=0
dev.cpu.1.%parent: acpi0
dev.cpu.1.%cx_supported: C1/1/1 C2/2/41
dev.cpu.1.%cx_lowest: C1
dev.cpu.1.%cx_usage: 100.00% 0.00% last 8136us
dev.cpu.2.%desc: ACPI CPU
dev.cpu.2.%driver: cpu
dev.cpu.2.%location: handle=\_SB_.SCK0.CP02
dev.cpu.2.%pnpinfo: _HID=none _UID=0
dev.cpu.2.%parent: acpi0
dev.cpu.2.%cx_supported: C1/1/1 C2/2/41
dev.cpu.2.%cx_lowest: C1
dev.cpu.2.%cx_usage: 100.00% 0.00% last 4052us
dev.cpu.3.%desc: ACPI CPU
dev.cpu.3.%driver: cpu
dev.cpu.3.%location: handle=\_SB_.SCK0.CP03
dev.cpu.3.%pnpinfo: _HID=none _UID=0
dev.cpu.3.%parent: acpi0
dev.cpu.3.%cx_supported: C1/1/1 C2/2/41
dev.cpu.3.%cx_lowest: C1
dev.cpu.3.%cx_usage: 100.00% 0.00% last 8120us
dev.cpu.4.%desc: ACPI CPU
dev.cpu.4.%driver: cpu
dev.cpu.4.%location: handle=\_SB_.SCK0.CP04
dev.cpu.4.%pnpinfo: _HID=none _UID=0
dev.cpu.4.%parent: acpi0
dev.cpu.4.%cx_supported: C1/1/1 C2/2/41
dev.cpu.4.%cx_lowest: C1
dev.cpu.4.%cx_usage: 100.00% 0.00% last 8130us
dev.cpu.5.%desc: ACPI CPU
dev.cpu.5.%driver: cpu
dev.cpu.5.%location: handle=\_SB_.SCK0.CP05
dev.cpu.5.%pnpinfo: _HID=none _UID=0
dev.cpu.5.%parent: acpi0
dev.cpu.5.%cx_supported: C1/1/1 C2/2/41
dev.cpu.5.%cx_lowest: C1
dev.cpu.5.%cx_usage: 100.00% 0.00% last 89us
dev.cpu.6.%desc: ACPI CPU

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dev.cpu.6.%driver: cpu
dev.cpu.6.%location: handle=_SB_.SCK1.CP00
dev.cpu.6.%pnpinfo: _HID=none _UID=0
dev.cpu.6.%parent: acpi0
dev.cpu.6.cx_supported: C1/1/1 C2/2/41
dev.cpu.6.cx_lowest: C1
dev.cpu.6.cx_usage: 100.00% 0.00% last 4364us
dev.cpu.7.%desc: ACPI CPU
dev.cpu.7.%driver: cpu
dev.cpu.7.%location: handle=_SB_.SCK1.CP01
dev.cpu.7.%pnpinfo: _HID=none _UID=0
dev.cpu.7.%parent: acpi0
dev.cpu.7.cx_supported: C1/1/1 C2/2/41
dev.cpu.7.cx_lowest: C1
dev.cpu.7.cx_usage: 100.00% 0.00% last 8130us
dev.cpu.8.%desc: ACPI CPU
dev.cpu.8.%driver: cpu
dev.cpu.8.%location: handle=_SB_.SCK1.CP02
dev.cpu.8.%pnpinfo: _HID=none _UID=0
dev.cpu.8.%parent: acpi0
dev.cpu.8.cx_supported: C1/1/1 C2/2/41
dev.cpu.8.cx_lowest: C1
dev.cpu.8.cx_usage: 100.00% 0.00% last 8099us
dev.cpu.9.%desc: ACPI CPU
dev.cpu.9.%driver: cpu
dev.cpu.9.%location: handle=_SB_.SCK1.CP03
dev.cpu.9.%pnpinfo: _HID=none _UID=0
dev.cpu.9.%parent: acpi0
dev.cpu.9.cx_supported: C1/1/1 C2/2/41
dev.cpu.9.cx_lowest: C1
dev.cpu.9.cx_usage: 100.00% 0.00% last 8129us
dev.cpu.10.%desc: ACPI CPU
dev.cpu.10.%driver: cpu
dev.cpu.10.%location: handle=_SB_.SCK1.CP04
dev.cpu.10.%pnpinfo: _HID=none _UID=0
dev.cpu.10.%parent: acpi0
dev.cpu.10.cx_supported: C1/1/1 C2/2/41
dev.cpu.10.cx_lowest: C1
dev.cpu.10.cx_usage: 100.00% 0.00% last 6454us
dev.cpu.11.%desc: ACPI CPU
dev.cpu.11.%driver: cpu
dev.cpu.11.%location: handle=_SB_.SCK1.CP05
dev.cpu.11.%pnpinfo: _HID=none _UID=0
dev.cpu.11.%parent: acpi0
dev.cpu.11.cx_supported: C1/1/1 C2/2/41
dev.cpu.11.cx_lowest: C1
dev.cpu.11.cx_usage: 100.00% 0.00% last 8133us
dev.atrtc.0.%desc: AT realtime clock
dev.atrtc.0.%driver: atrtc
dev.atrtc.0.%location: handle=_SB_.PCI0.LPC0.RTC_
dev.atrtc.0.%pnpinfo: _HID=PNP0B00 _UID=0
dev.atrtc.0.%parent: acpi0
dev.attimer.0.%desc: AT timer
dev.attimer.0.%driver: attimer
dev.attimer.0.%location: handle=_SB_.PCI0.LPC0.TMR_
dev.attimer.0.%pnpinfo: _HID=PNP0100 _UID=0
dev.attimer.0.%parent: acpi0
dev.hpet.0.%desc: High Precision Event Timer
dev.hpet.0.%driver: hpet
dev.hpet.0.%location: handle=_SB_.PCI0.LPC0.HPET
dev.hpet.0.%pnpinfo: _HID=PNP0103 _UID=0
dev.hpet.0.%parent: acpi0
dev.acpi_timer.0.%desc: 24-bit timer at 3.579545MHz
dev.acpi_timer.0.%driver: acpi_timer
dev.acpi_timer.0.%location: unknown
dev.acpi_timer.0.%pnpinfo: unknown
dev.acpi_timer.0.%parent: acpi0
dev.pci_link.0.%desc: ACPI PCI Link LNKA
dev.pci_link.0.%driver: pci_link
dev.pci_link.0.%location: handle=_SB_.LNKA
dev.pci_link.0.%pnpinfo: _HID=PNP0C0F _UID=1
dev.pci_link.0.%parent: acpi0
dev.pci_link.1.%desc: ACPI PCI Link LNKB
dev.pci_link.1.%driver: pci_link
dev.pci_link.1.%location: handle=_SB_.LNKB
dev.pci_link.1.%pnpinfo: _HID=PNP0C0F _UID=2
dev.pci_link.1.%parent: acpi0
dev.pci_link.2.%desc: ACPI PCI Link LNKC
dev.pci_link.2.%driver: pci_link
dev.pci_link.2.%location: handle=_SB_.LNKC
dev.pci_link.2.%pnpinfo: _HID=PNP0C0F _UID=3
dev.pci_link.2.%parent: acpi0
dev.pci_link.3.%desc: ACPI PCI Link LNKD
dev.pci_link.3.%driver: pci_link
dev.pci_link.3.%location: handle=_SB_.LNKD
dev.pci_link.3.%pnpinfo: _HID=PNP0C0F _UID=4
dev.pci_link.3.%parent: acpi0
dev.pci_link.4.%desc: ACPI PCI Link LNKE
dev.pci_link.4.%driver: pci_link
dev.pci_link.4.%location: handle=_SB_.LNKE
dev.pci_link.4.%pnpinfo: _HID=PNP0C0F _UID=5

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dev.pci_link.4.%parent: acpi0
dev.pci_link.5.%desc: ACPI PCI Link LNKF
dev.pci_link.5.%driver: pci_link
dev.pci_link.5.%location: handle=\_SB_.LNKF
dev.pci_link.5.%pnpinfo: _HID=PNP0C0F _UID=6
dev.pci_link.5.%parent: acpi0
dev.pci_link.6.%desc: ACPI PCI Link LNKG
dev.pci_link.6.%driver: pci_link
dev.pci_link.6.%location: handle=\_SB_.LNKG
dev.pci_link.6.%pnpinfo: _HID=PNP0C0F _UID=7
dev.pci_link.6.%parent: acpi0
dev.pci_link.7.%desc: ACPI PCI Link LNKH
dev.pci_link.7.%driver: pci_link
dev.pci_link.7.%location: handle=\_SB_.LNKH
dev.pci_link.7.%pnpinfo: _HID=PNP0C0F _UID=8
dev.pci_link.7.%parent: acpi0
dev.pci.0.%desc: ACPI Host-PCI bridge
dev.pci.0.%driver: pci_b
dev.pci.0.%location: handle=\_SB_.UNC1
dev.pci.0.%pnpinfo: _HID=PNP0A03 _UID=127
dev.pci.0.%parent: acpi0
dev.pci.1.%desc: ACPI Host-PCI bridge
dev.pci.1.%driver: pci_b
dev.pci.1.%location: handle=\_SB_.UNC0
dev.pci.1.%pnpinfo: _HID=PNP0A03 _UID=63
dev.pci.1.%parent: acpi0
dev.pci.2.%desc: ACPI Host-PCI bridge
dev.pci.2.%driver: pci_b
dev.pci.2.%location: handle=\_SB_.PCI0
dev.pci.2.%pnpinfo: _HID=PNP0A08 _UID=0
dev.pci.2.%parent: acpi0
dev.pci.3.%desc: ACPI PCI-PCI bridge
dev.pci.3.%driver: pci_b
dev.pci.3.%location: slot=1 function=0 handle=\_SB_.PCI0.BR1A
dev.pci.3.%pnpinfo: vendor=0x8086 device=0x2f02 subvendor=0x1bcf subdevice=0x8059 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: 1
dev.pci.3.wake: 0
dev.pci.4.%desc: ACPI PCI-PCI bridge
dev.pci.4.%driver: pci_b
dev.pci.4.%location: slot=2 function=0 handle=\_SB_.PCI0.BR2A
dev.pci.4.%pnpinfo: vendor=0x8086 device=0x2f04 subvendor=0x1bcf subdevice=0x8059 class=0x060400
dev.pci.4.%parent: pci0
dev.pci.4.domain: 0
dev.pci.4.pribus: 0
dev.pci.4.secbus: 32
dev.pci.4.subbus: 32
dev.pci.4.wake: 0
dev.pci.5.%desc: ACPI PCI-PCI bridge
dev.pci.5.%driver: pci_b
dev.pci.5.%location: slot=3 function=0 handle=\_SB_.PCI0.BR3A
dev.pci.5.%pnpinfo: vendor=0x8086 device=0x2f08 subvendor=0x1bcf subdevice=0x8059 class=0x060400
dev.pci.5.%parent: pci0
dev.pci.5.domain: 0
dev.pci.5.pribus: 0
dev.pci.5.secbus: 64
dev.pci.5.subbus: 64
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=0 handle=\_SB_.PCI0.RP01
dev.pci.6.%pnpinfo: vendor=0x8086 device=0x8d10 subvendor=0x1bcf subdevice=0x8059 class=0x060400
dev.pci.6.%parent: pci0
dev.pci.6.domain: 0
dev.pci.6.pribus: 0
dev.pci.6.secbus: 65
dev.pci.6.subbus: 65
dev.pci.6.wake: 0
dev.pci.7.%desc: ACPI PCI-PCI bridge
dev.pci.7.%driver: pci_b
dev.pci.7.%location: slot=28 function=2 handle=\_SB_.PCI0.RP03
dev.pci.7.%pnpinfo: vendor=0x8086 device=0x8d14 subvendor=0x1bcf subdevice=0x8059 class=0x060400
dev.pci.7.%parent: pci0
dev.pci.7.domain: 0
dev.pci.7.pribus: 0
dev.pci.7.secbus: 97
dev.pci.7.subbus: 97
dev.pci.7.wake: 0
dev.pci.8.%desc: ACPI PCI-PCI bridge
dev.pci.8.%driver: pci_b
dev.pci.8.%location: slot=28 function=3 handle=\_SB_.PCI0.RP04
dev.pci.8.%pnpinfo: vendor=0x8086 device=0x8d16 subvendor=0x1bcf subdevice=0x8059 class=0x060400
dev.pci.8.%parent: pci0
dev.pci.8.domain: 0
dev.pci.8.pribus: 0
dev.pci.8.secbus: 98
dev.pci.8.subbus: 98
dev.pci.8.wake: 0

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dev.pci.9.%desc: ACPI Host-PCI bridge
dev.pci.9.%driver: pci
dev.pci.9.%location: handle=_SB_.PCI1
dev.pci.9.%npninfo: _HID=PNP0A08 _UID=128
dev.pci.9.%parent: acpi0
dev.pci.10.%desc: ACPI PCI-PCI bridge
dev.pci.10.%driver: pci
dev.pci.10.%location: slot=0 function=0 handle=_SB_.PCI1.QRP0
dev.pci.10.%npninfo: vendor=0x8086 device=0x2f01 subvendor=0x1bcf subdevice=0x8059 class=0x060400
dev.pci.10.%parent: pci128
dev.pci.10.domain: 0
dev.pci.10.pribus: 128
dev.pci.10.secbus: 129
dev.pci.10.subbus: 129
dev.pci.10.wake: 0
dev.pci.11.%desc: ACPI PCI-PCI bridge
dev.pci.11.%driver: pci
dev.pci.11.%location: slot=1 function=0 handle=_SB_.PCI1.QR1A
dev.pci.11.%npninfo: vendor=0x8086 device=0x2f02 subvendor=0x1bcf subdevice=0x8059 class=0x060400
dev.pci.11.%parent: pci128
dev.pci.11.domain: 0
dev.pci.11.pribus: 128
dev.pci.11.secbus: 130
dev.pci.11.subbus: 130
dev.pci.11.wake: 0
dev.pci.12.%desc: ACPI PCI-PCI bridge
dev.pci.12.%driver: pci
dev.pci.12.%location: slot=2 function=0 handle=_SB_.PCI1.QR2A
dev.pci.12.%npninfo: vendor=0x8086 device=0x2f04 subvendor=0x1bcf subdevice=0x8059 class=0x060400
dev.pci.12.%parent: pci128
dev.pci.12.domain: 0
dev.pci.12.pribus: 128
dev.pci.12.secbus: 131
dev.pci.12.subbus: 131
dev.pci.12.wake: 0
dev.pci.13.%desc: ACPI PCI-PCI bridge
dev.pci.13.%driver: pci
dev.pci.13.%location: slot=3 function=0 handle=_SB_.PCI1.QR3A
dev.pci.13.%npninfo: vendor=0x8086 device=0x2f08 subvendor=0x1bcf subdevice=0x8059 class=0x060400
dev.pci.13.%parent: pci128
dev.pci.13.domain: 0
dev.pci.13.pribus: 128
dev.pci.13.secbus: 132
dev.pci.13.subbus: 132
dev.pci.13.wake: 0
dev.pci.255.%desc: ACPI PCI bus
dev.pci.255.%driver: pci
dev.pci.255.%parent: pci0
dev.pci.127.%desc: ACPI PCI bus
dev.pci.127.%driver: pci
dev.pci.127.%parent: pci1
dev.pci.0.%desc: ACPI PCI bus
dev.pci.0.%driver: pci
dev.pci.0.%parent: pci2
dev.pci.1.%desc: ACPI PCI bus
dev.pci.1.%driver: pci
dev.pci.1.%parent: pci3
dev.pci.1.wake: 0
dev.pci.32.%desc: ACPI PCI bus
dev.pci.32.%driver: pci
dev.pci.32.%parent: pci4
dev.pci.32.wake: 0
dev.pci.64.%desc: ACPI PCI bus
dev.pci.64.%driver: pci
dev.pci.64.%parent: pci5
dev.pci.64.wake: 0
dev.pci.65.%desc: ACPI PCI bus
dev.pci.65.%driver: pci
dev.pci.65.%parent: pci6
dev.pci.65.wake: 0
dev.pci.97.%desc: ACPI PCI bus
dev.pci.97.%driver: pci
dev.pci.97.%parent: pci7
dev.pci.97.wake: 0
dev.pci.98.%desc: ACPI PCI bus
dev.pci.98.%driver: pci
dev.pci.98.%parent: pci8
dev.pci.98.wake: 0
dev.pci.128.%desc: ACPI PCI bus
dev.pci.128.%driver: pci
dev.pci.128.%parent: pci9
dev.pci.129.%desc: ACPI PCI bus
dev.pci.129.%driver: pci
dev.pci.129.%parent: pci10
dev.pci.129.wake: 0
dev.pci.130.%desc: ACPI PCI bus
dev.pci.130.%driver: pci
dev.pci.130.%parent: pci11
dev.pci.130.wake: 0
dev.pci.131.%desc: ACPI PCI bus
dev.pci.131.%driver: pci

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dev.pci.131.%parent: pcib12
dev.pci.131.wake: 0
dev.pci.132.%desc: ACPI PCI bus
dev.pci.132.%driver: pci
dev.pci.132.%parent: pcib13
dev.pci.132.wake: 0
dev.hostb.0.%desc: Host to PCI bridge
dev.hostb.0.%driver: hostb
dev.hostb.0.%location: slot=0 function=0 handle=\_SB_.PCI0.DMI0
dev.hostb.0.%pnpinfo: vendor=0x8086 device=0x2f00 subvendor=0x1bcf subdevice=0x8059 class=0x060000
dev.hostb.0.%parent: pci0
dev.mfi.0.%desc: Invader
dev.mfi.0.%driver: mfi
dev.mfi.0.%location: slot=0 function=0 handle=\_SB_.PCI0.BR1A.H000
dev.mfi.0.%pnpinfo: vendor=0x1000 device=0x005d subvendor=0x1000 subdevice=0x9364 class=0x010400
dev.mfi.0.%parent: pci1
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=0x2f2c subvendor=0x1bcf subdevice=0x8059 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=0x2f2c subvendor=0x1bcf subdevice=0x8059 class=0x080020
dev.ioapic.1.%parent: pci128
dev.xhci.0.%desc: XHCI (generic) USB 3.0 controller
dev.xhci.0.%driver: xhci
dev.xhci.0.%location: slot=20 function=0 handle=\_SB_.PCI0.XHCI
dev.xhci.0.%pnpinfo: vendor=0x8086 device=0x8d31 subvendor=0x1bcf subdevice=0x8059 class=0xc0330
dev.xhci.0.%parent: pci0
dev.usbus.0.%driver: usb
dev.usbus.0.%parent: xhci0
dev.usbus.1.%driver: usb
dev.usbus.1.%parent: ehci0
dev.usbus.2.%driver: usb
dev.usbus.2.%parent: ehci1
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.EHC2
dev.ehci.0.%pnpinfo: vendor=0x8086 device=0x8d2d subvendor=0x1bcf subdevice=0x8059 class=0xc0320
dev.ehci.0.%parent: pci0
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.EHC1
dev.ehci.1.%pnpinfo: vendor=0x8086 device=0x8d26 subvendor=0x1bcf subdevice=0x8059 class=0xc0320
dev.ehci.1.%parent: pci0
dev.bge.0.%desc: Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5720000
dev.bge.0.%driver: bge
dev.bge.0.%location: slot=0 function=0 handle=\_SB_.PCI0.RP03.LAN1
dev.bge.0.%pnpinfo: vendor=0x14e4 device=0x165f subvendor=0x1bcf subdevice=0x8059 class=0x020000
dev.bge.0.%parent: pci97
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: 650578
dev.bge.0.stats.rx.Fragments: 0
dev.bge.0.stats.rx.UnicastPkts: 140
dev.bge.0.stats.rx.MulticastPkts: 2258
dev.bge.0.stats.rx.BroadcastPkts: 2613
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: 18267
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: 96
dev.bge.0.stats.tx.MulticastPkts: 0
dev.bge.0.stats.tx.BroadcastPkts: 7

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dev.bge.1.%desc: Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5720000
dev.bge.1.%driver: bge
dev.bge.1.%location: slot=0 function=1 handle=_SB_.PCI0.RP03.LAN2
dev.bge.1.%pnpinfo: vendor=0x14e4 device=0x165f subvendor=0x1bcf subdevice=0x8059 class=0x020000
dev.bge.1.%parent: pci97
dev.bge.1.forced_collapse: 0
dev.bge.1.msi: 1
dev.bge.1.forced_udpcsum: 0
dev.bge.1.stats.FramesDroppedDueToFilters: 0
dev.bge.1.stats.DmaWriteQueueFull: 0
dev.bge.1.stats.DmaWriteHighPriQueueFull: 0
dev.bge.1.stats.NoMoreRxBDs: 0
dev.bge.1.stats.InputDiscards: 0
dev.bge.1.stats.InputErrors: 0
dev.bge.1.stats.RecvThresholdHit: 0
dev.bge.1.stats.rx.ifHCInOctets: 0
dev.bge.1.stats.rx.Fragments: 0
dev.bge.1.stats.rx.UnicastPkts: 0
dev.bge.1.stats.rx.MulticastPkts: 0
dev.bge.1.stats.rx.BroadcastPkts: 0
dev.bge.1.stats.rx.FCSerrors: 0
dev.bge.1.stats.rx.AlignmentErrors: 0
dev.bge.1.stats.rx.xonPauseFramesReceived: 0
dev.bge.1.stats.rx.xoffPauseFramesReceived: 0
dev.bge.1.stats.rx.ControlFramesReceived: 0
dev.bge.1.stats.rx.xoffStateEntered: 0
dev.bge.1.stats.rx.FramesTooLong: 0
dev.bge.1.stats.rx.Jabbers: 0
dev.bge.1.stats.rx.UndersizePkts: 0
dev.bge.1.stats.tx.ifHCOutOctets: 0
dev.bge.1.stats.tx.Collisions: 0
dev.bge.1.stats.tx.XonSent: 0
dev.bge.1.stats.tx.XoffSent: 0
dev.bge.1.stats.tx.InternalMacTransmitErrors: 0
dev.bge.1.stats.tx.SingleCollisionFrames: 0
dev.bge.1.stats.tx.MultipleCollisionFrames: 0
dev.bge.1.stats.tx.DeferredTransmissions: 0
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.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.brgphy.0.%desc: BCM5720C 1000BASE-T media interface
dev.brgphy.0.%driver: brgphy
dev.brgphy.0.%location: phyno=1
dev.brgphy.0.%pnpinfo: oui=0x1be9 model=0x36 rev=0x0
dev.brgphy.0.%parent: miibus0
dev.brgphy.1.%desc: BCM5720C 1000BASE-T media interface
dev.brgphy.1.%driver: brgphy
dev.brgphy.1.%location: phyno=2
dev.brgphy.1.%pnpinfo: oui=0x1be9 model=0x36 rev=0x0
dev.brgphy.1.%parent: miibus1
dev.vgapci.0.%desc: VGA-compatible display
dev.vgapci.0.%driver: vgapci
dev.vgapci.0.%location: slot=0 function=0 handle=_SB_.PCI0.RP04.D042
dev.vgapci.0.%pnpinfo: vendor=0x102b device=0x0522 subvendor=0x1bcf subdevice=0x8059 class=0x030000
dev.vgapci.0.%parent: pci98
dev.isab.0.%desc: PCI-ISA bridge
dev.isab.0.%driver: isab
dev.isab.0.%location: slot=31 function=0 handle=_SB_.PCI0.LPC0
dev.isab.0.%pnpinfo: vendor=0x8086 device=0x8d44 subvendor=0x1bcf subdevice=0x8059 class=0x060100
dev.isab.0.%parent: pci0
dev.isa.0.%desc: ISA bus
dev.isa.0.%driver: isa
dev.isa.0.%parent: isab0
dev.ahci.0.%desc: AHCI SATA controller
dev.ahci.0.%driver: ahci
dev.ahci.0.%location: slot=31 function=2 handle=_SB_.PCI0.SAT1
dev.ahci.0.%pnpinfo: vendor=0x8086 device=0x8d02 subvendor=0x1bcf subdevice=0x8059 class=0x010601
dev.ahci.0.%parent: pci0
dev.ahcich.0.%desc: AHCI channel
dev.ahcich.0.%driver: ahcich
dev.ahcich.0.%location: channel=0
dev.ahcich.0.%parent: ahci0
dev.ahcich.1.%desc: AHCI channel
dev.ahcich.1.%driver: ahcich
dev.ahcich.1.%location: channel=1
dev.ahcich.1.%parent: ahci0
dev.ahcich.2.%desc: AHCI channel
dev.ahcich.2.%driver: ahcich
dev.ahcich.2.%location: channel=2
dev.ahcich.2.%parent: ahci0
dev.ahcich.3.%desc: AHCI channel
dev.ahcich.3.%driver: ahcich
dev.ahcich.3.%location: channel=3

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dev.ahcich.3.%parent: ahci0
dev.ahcich.4.%desc: AHCI channel
dev.ahcich.4.%driver: ahcich
dev.ahcich.4.%location: channel=4
dev.ahcich.4.%parent: ahci0
dev.acpi_button.0.%desc: Power Button
dev.acpi_button.0.%driver: acpi_button
dev.acpi_button.0.%location: handle=\_SB_.PWRB
dev.acpi_button.0.%pnpinfo: _HID=PNP0C0C _UID=170
dev.acpi_button.0.%parent: acpi0
dev.atdma.0.%desc: AT DMA controller
dev.atdma.0.%driver: atdma
dev.atdma.0.%location: handle=\_SB_.PCI0.LPC0.DMAC
dev.atdma.0.%pnpinfo: _HID=PNP0200 _UID=0
dev.atdma.0.%parent: acpi0
dev.fpuvnp.0.%desc: Legacy ISA coprocessor support
dev.fpuvnp.0.%driver: fpuvnp
dev.fpuvnp.0.%location: handle=\_SB_.PCI0.LPC0.FPU_
dev.fpuvnp.0.%pnpinfo: _HID=PNP0C04 _UID=0
dev.fpuvnp.0.%parent: acpi0
dev.uart.0.%desc: 16550 or compatible
dev.uart.0.%driver: uart
dev.uart.0.%location: handle=\_SB_.PCI0.LPC0.UAR1
dev.uart.0.%pnpinfo: _HID=PNP0501 _UID=0
dev.uart.0.%parent: acpi0
dev.uart.1.%desc: 16550 or compatible
dev.uart.1.%driver: uart
dev.uart.1.%location: handle=\_SB_.PCI0.LPC0.UAR2
dev.uart.1.%pnpinfo: _HID=PNP0501 _UID=1
dev.uart.1.%parent: acpi0
dev.apic.0.%desc: APIC resources
dev.apic.0.%driver: apic
dev.apic.0.%parent: nexus0
dev.orm.0.%desc: ISA Option ROM
dev.orm.0.%driver: orm
dev.orm.0.%parent: isa0
dev.sc.0.%desc: System console
dev.sc.0.%driver: sc
dev.sc.0.%parent: isa0
dev.vga.0.%desc: Generic ISA VGA
dev.vga.0.%driver: vga
dev.vga.0.%parent: isa0
dev.acpi_perf.0.%driver: acpi_perf
dev.acpi_perf.0.%parent: cpu0
dev.acpi_perf.1.%driver: acpi_perf
dev.acpi_perf.1.%parent: cpu1
dev.acpi_perf.2.%driver: acpi_perf
dev.acpi_perf.2.%parent: cpu2
dev.acpi_perf.3.%driver: acpi_perf
dev.acpi_perf.3.%parent: cpu3
dev.acpi_perf.4.%driver: acpi_perf
dev.acpi_perf.4.%parent: cpu4
dev.acpi_perf.5.%driver: acpi_perf
dev.acpi_perf.5.%parent: cpu5
dev.acpi_perf.6.%driver: acpi_perf
dev.acpi_perf.6.%parent: cpu6
dev.acpi_perf.7.%driver: acpi_perf
dev.acpi_perf.7.%parent: cpu7
dev.acpi_perf.8.%driver: acpi_perf
dev.acpi_perf.8.%parent: cpu8
dev.acpi_perf.9.%driver: acpi_perf
dev.acpi_perf.9.%parent: cpu9
dev.acpi_perf.10.%driver: acpi_perf
dev.acpi_perf.10.%parent: cpu10
dev.acpi_perf.11.%driver: acpi_perf
dev.acpi_perf.11.%parent: cpu11
dev.est.0.%desc: Enhanced SpeedStep Frequency Control
dev.est.0.%driver: est
dev.est.0.%parent: cpu0
dev.est.0.freq_settings: 1600/85000 1500/78152 1400/72277 1300/66521 1200/60883
dev.est.1.%desc: Enhanced SpeedStep Frequency Control
dev.est.1.%driver: est
dev.est.1.%parent: cpu1
dev.est.1.freq_settings: 1600/85000 1500/78152 1400/72277 1300/66521 1200/60883
dev.est.2.%desc: Enhanced SpeedStep Frequency Control
dev.est.2.%driver: est
dev.est.2.%parent: cpu2
dev.est.2.freq_settings: 1600/85000 1500/78152 1400/72277 1300/66521 1200/60883
dev.est.3.%desc: Enhanced SpeedStep Frequency Control
dev.est.3.%driver: est
dev.est.3.%parent: cpu3
dev.est.3.freq_settings: 1600/85000 1500/78152 1400/72277 1300/66521 1200/60883
dev.est.4.%desc: Enhanced SpeedStep Frequency Control
dev.est.4.%driver: est
dev.est.4.%parent: cpu4
dev.est.4.freq_settings: 1600/85000 1500/78152 1400/72277 1300/66521 1200/60883
dev.est.5.%desc: Enhanced SpeedStep Frequency Control
dev.est.5.%driver: est
dev.est.5.%parent: cpu5
dev.est.5.freq_settings: 1600/85000 1500/78152 1400/72277 1300/66521 1200/60883
dev.est.6.%desc: Enhanced SpeedStep Frequency Control

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dev.est.6.%driver: est
dev.est.6.%parent: cpu6
dev.est.6.freq_settings: 1600/85000 1500/78152 1400/72277 1300/66521 1200/60883
dev.est.7.%desc: Enhanced SpeedStep Frequency Control
dev.est.7.%driver: est
dev.est.7.%parent: cpu7
dev.est.7.freq_settings: 1600/85000 1500/78152 1400/72277 1300/66521 1200/60883
dev.est.8.%desc: Enhanced SpeedStep Frequency Control
dev.est.8.%driver: est
dev.est.8.%parent: cpu8
dev.est.8.freq_settings: 1600/85000 1500/78152 1400/72277 1300/66521 1200/60883
dev.est.9.%desc: Enhanced SpeedStep Frequency Control
dev.est.9.%driver: est
dev.est.9.%parent: cpu9
dev.est.9.freq_settings: 1600/85000 1500/78152 1400/72277 1300/66521 1200/60883
dev.est.10.%desc: Enhanced SpeedStep Frequency Control
dev.est.10.%driver: est
dev.est.10.%parent: cpu10
dev.est.10.freq_settings: 1600/85000 1500/78152 1400/72277 1300/66521 1200/60883
dev.est.11.%desc: Enhanced SpeedStep Frequency Control
dev.est.11.%driver: est
dev.est.11.%parent: cpu11
dev.est.11.freq_settings: 1600/85000 1500/78152 1400/72277 1300/66521 1200/60883
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
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

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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: 0x8086 XHCI root HUB, class 9/0, rev 3.00/1.00, 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: Intel EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1
dev.uhub.2.%driver: uhub
dev.uhub.2.%parent: usb2
dev.uhub.3.%desc: vendor 0x8087 product 0x800a, class 9/0, rev 2.00/0.05, 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=0x800a devclass=0x09 devsubclass=0x00 sernum="" release=0x0005 mode=host intclass=0x09
intsubclass=0x00 intprotocol=0x00
dev.uhub.3.%parent: uhub1
dev.uhub.4.%desc: vendor 0x8087 product 0x8002, class 9/0, rev 2.00/0.05, addr 2
dev.uhub.4.%driver: uhub
dev.uhub.4.%location: bus=1 hubaddr=1 port=2 devaddr=2 interface=0
dev.uhub.4.%pnpinfo: vendor=0x8087 product=0x8002 devclass=0x09 devsubclass=0x00 sernum="" release=0x0005 mode=host intclass=0x09
intsubclass=0x00 intprotocol=0x00
dev.uhub.4.%parent: uhub2
dev.uhub.5.%desc: vendor 0x0409 product 0x005a, class 9/0, rev 2.00/1.00, addr 3
dev.uhub.5.%driver: uhub
dev.uhub.5.%location: bus=2 hubaddr=2 port=1 devaddr=3 interface=0
dev.uhub.5.%pnpinfo: vendor=0x0409 product=0x005a devclass=0x09 devsubclass=0x00 sernum="" release=0x0100 mode=host intclass=0x09
intsubclass=0x00 intprotocol=0x00
dev.uhub.5.%parent: uhub3
dev.mfid.0.%driver: mfid
dev.mfid.0.%parent: mfi0
dev.umass.0.%desc: UFD 2.0 Silicon-Power4G, class 0/0, rev 2.00/1.00, addr 3
dev.umass.0.%driver: umass
dev.umass.0.%location: bus=2 hubaddr=5 port=2 devaddr=3 interface=0
dev.umass.0.%pnpinfo: vendor=0x13fe product=0x4100 devclass=0x00 devsubclass=0x00 sernum="12101504054E6002A8B93C63044" release=0x0100
mode=host intclass=0x08 intsubclass=0x06 intprotocol=0x50
dev.umass.0.%parent: uhub4
dev.ukbd.0.%desc: Topre Corporation HHKB Professional, class 0/0, rev 1.10/1.02, addr 4
dev.ukbd.0.%driver: ukbd
dev.ukbd.0.%location: bus=3 hubaddr=1 port=1 devaddr=4 interface=0
dev.ukbd.0.%pnpinfo: vendor=0x0853 product=0x0100 devclass=0x00 devsubclass=0x00 sernum="" release=0x0102 mode=host intclass=0x03
intsubclass=0x01 intprotocol=0x01
dev.ukbd.0.%parent: uhub5
dev.ukbd.1.%desc: Keyboard Interface
dev.ukbd.1.%driver: ukbd
dev.ukbd.1.%location: bus=2 hubaddr=3 port=1 devaddr=5 interface=0
dev.ukbd.1.%pnpinfo: vendor=0x046b product=0xff10 devclass=0x00 devsubclass=0x00 sernum="" release=0x0100 mode=host intclass=0x03
intsubclass=0x01 intprotocol=0x01
dev.ukbd.1.%parent: uhub3
dev.ums.0.%desc: Mouse Interface
dev.ums.0.%driver: ums
dev.ums.0.%location: bus=2 hubaddr=3 port=1 devaddr=5 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.
Copyright (c) 1979, 1980, 1983, 1986, 1988, 1989, 1991, 1992, 1993, 1994
    The Regents of the University of California. All rights reserved.
FreeBSD is a registered trademark of The FreeBSD Foundation.
FreeBSD 9.3-RELEASE #0 r268512: Thu Jul 10 23:44:39 UTC 2014
    root@snap.freebsd.org:/usr/obj/usr/src/sys/GENERIC amd64
gcc version 4.2.1 20070831 patched [FreeBSD]
CPU: Intel(R) Xeon(R) CPU E5-2603 v3 @ 1.60GHz (1600.03-MHz K8-class CPU)
    Origin = "GenuineIntel" Id = 0x306f2 Family = 0x6 Model = 0x3f Stepping = 2

Features=0xbfebfbff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMOV,PAT,PSE36,CLFLUSH,DTS,ACPI,MMX,FXSR,SSE,SSE2,SS,HTT,TM,PBE>
    Features2=0x7ffefbff<SSE3,PCLMULQDQ,DTES64,MON,DS_CPL,VMX,SMX,EST,TM2,SSSE3,
<b11>,FMA,CX16,xTPR,PDCM,PCID,DCA,SSE4.1,SSE4.2,x2APIC,MOVBE,POPCNT,TSCDLT,AESNI,XSAVE,OSXSAVE,AVX,F16C,RDRAND>
    AMD Features=0x2c100800<SYSCALL,NX,Page1GB,RDTSCP,LM>
    AMD Features2=0x21<LAHF,ABM>
    Standard Extended Features=0x37ab<GSGSBASE,TSCADJ,SMEP,ENHMOVSB,INVPCID>
    TSC: P-state invariant, performance statistics
real memory = 68719476736 (65536 MB)
avail memory = 66320990208 (63248 MB)
Event timer "LAPIC" quality 600
ACPI APIC Table: <AMI 0694 >
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: 16
cpu7 (AP): APIC ID: 18
cpu8 (AP): APIC ID: 20
cpu9 (AP): APIC ID: 22
cpu10 (AP): APIC ID: 24
cpu11 (AP): APIC ID: 26
ACPI Warning: FADT (revision 5) is longer than ACPI 2.0 version, truncating length 268 to 244 (20110527/tbfadt-320)
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
acpi0: <AMI 0694> 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
atrtc0: <AT realtime clock> port 0x70-0x71,0x74-0x77 irq 8 on acpi0
Event timer "RTC" frequency 32768 Hz quality 0
attimer0: <AT timer> port 0x40-0x43,0x50-0x53 irq 0 on acpi0
Timecounter "i8254" frequency 1193182 Hz quality 0
Event timer "i8254" frequency 1193182 Hz quality 100
hpet0: <High Precision Event Timer> iomem 0xfed00000-0xfed003ff on acpi0
Timecounter "HPET" frequency 14318180 Hz quality 950
Event timer "HPET" frequency 14318180 Hz quality 450
Event timer "HPET1" frequency 14318180 Hz quality 440
Event timer "HPET2" frequency 14318180 Hz quality 440
Event timer "HPET3" frequency 14318180 Hz quality 440
Event timer "HPET4" frequency 14318180 Hz quality 440
Event timer "HPET5" frequency 14318180 Hz quality 440
Event timer "HPET6" frequency 14318180 Hz quality 440
Event timer "HPET7" frequency 14318180 Hz quality 440
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> on acpi0
pci255: <ACPI PCI bus> on pcib0
pcib1: <ACPI Host-PCI bridge> on acpi0
pci127: <ACPI PCI bus> on pcib1
pcib2: <ACPI Host-PCI bridge> port 0xcfc8-0xcfff on acpi0
pci0: <ACPI PCI bus> on pcib2
pcib3: <ACPI PCI-PCI bridge> irq 27 at device 1.0 on pci0
pci1: <ACPI PCI bus> on pcib3
mfi0: <Invader> port 0x6000-0x60ff mem 0xc7c00000-0xc7c0ffff,0xc7b00000-0xc7bfffff irq 26 at device 0.0 on pci1
mfi0: Using MSI
mfi0: Megaraid SAS driver Ver 4.23
mfi0: FW MaxCmds = 928, limiting to 128
mfi0: MaxCmd = 928, Drv MaxCmd = 128, MaxSgl = 70, state = 0xb73c03a0
pcib4: <ACPI PCI-PCI bridge> irq 33 at device 2.0 on pci0
```



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pci32: <ACPI PCI bus> on pcib4
pci5: <ACPI PCI-PCI bridge> irq 41 at device 3.0 on pci0
pci64: <ACPI PCI bus> on pcib5
pci0: <unknown> at device 17.0 (no driver attached)
xhci0: <XHCI (generic) USB 3.0 controller> mem 0xc7d00000-0xc7d0ffff irq 19 at device 20.0 on pci0
xhci0: 32 byte context size.
usb0 on xhci0
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 0xc7d34000-0xc7d343ff irq 18 at device 26.0 on pci0
usb1: EHCI version 1.0
usb1 on ehci0
pcib6: <ACPI PCI-PCI bridge> irq 16 at device 28.0 on pci0
pci65: <ACPI PCI bus> on pcib6
pcib7: <ACPI PCI-PCI bridge> irq 18 at device 28.2 on pci0
pci97: <ACPI PCI bus> on pcib7
bge0: <Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5720000> mem
0xc6050000-0xc605ffff,0xc6040000-0xc604ffff,0xc6030000-0xc603ffff irq 18 at device 0.0 on pci97
bge0: APE FW version: NCSI v1.2.46.0
bge0: CHIP ID 0x05720000; ASIC REV 0x5720; CHIP REV 0x57200; PCI-E
miibus0: <MII bus> on bge0
brgphy0: <BCM5720C 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: fc:aa:14:a3:c4:bf
bge1: <Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5720000> mem
0xc6020000-0xc602ffff,0xc6010000-0xc601ffff,0xc6000000-0xc600ffff irq 19 at device 0.1 on pci97
bge1: APE FW version: NCSI v1.2.46.0
bge1: CHIP ID 0x05720000; ASIC REV 0x5720; CHIP REV 0x57200; PCI-E
miibus1: <MII bus> on bge1
brgphy1: <BCM5720C 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: fc:aa:14:a3:c4:c0
pcib8: <ACPI PCI-PCI bridge> irq 19 at device 28.3 on pci0
pcib8: failed to allocate initial memory window: 0xc7000000-0xc79fffff
pci98: <ACPI PCI bus> on pcib8
vgapci0: <VGA-compatible display> mem 0xc5000000-0xc5ffffff,0xc7000000-0xc77fffff irq 16 at device 0.0 on pci98
vgapci0: Boot video device
ehci1: <EHCI (generic) USB 2.0 controller> mem 0xc7d33000-0xc7d333ff irq 18 at device 29.0 on pci0
usb2: EHCI version 1.0
usb2 on ehci1
isab0: <PCI-ISA bridge> at device 31.0 on pci0
isa0: <ISA bus> on isab0
ahci0: <AHCI SATA controller> port 0x7050-0x7057,0x7040-0x7043,0x7030-0x7037,0x7020-0x7023,0x7000-0x701f mem 0xc7d32000-0xc7d327ff irq 16
at device 31.2 on pci0
ahci0: AHCI v1.30 with 5 6Gbps ports, Port Multiplier not supported
ahcich0: <AHCI channel> at channel 0 on ahci0
ahcich1: <AHCI channel> at channel 1 on ahci0
ahcich2: <AHCI channel> at channel 2 on ahci0
ahcich3: <AHCI channel> at channel 3 on ahci0
ahcich4: <AHCI channel> at channel 4 on ahci0
pcib9: <ACPI Host-PCI bridge> on acpi0
pci128: <ACPI PCI bus> on pcib9
pcib10: <ACPI PCI-PCI bridge> at device 0.0 on pci128
pci129: <ACPI PCI bus> on pcib10
pcib11: <ACPI PCI-PCI bridge> irq 51 at device 1.0 on pci128
pci130: <ACPI PCI bus> on pcib11
pcib12: <ACPI PCI-PCI bridge> irq 56 at device 2.0 on pci128
pci131: <ACPI PCI bus> on pcib12
pcib13: <ACPI PCI-PCI bridge> irq 64 at device 3.0 on pci128
pci132: <ACPI PCI bus> on pcib13
acpi_button0: <Power Button> on acpi0
uart0: <16550 or compatible> port 0x3f8-0x3ff irq 4 flags 0x10 on acpi0
uart1: <16550 or compatible> port 0x2f8-0x2ff irq 3 on acpi0
orm0: <ISA Option ROM> at iomem 0xc0000-0xc7fff on isa0
sc0: <System console> at flags 0x100 on isa0
sc0: VGA <16 virtual consoles, flags=0x300>
vga0: <Generic ISA VGA> at port 0x3c0-0x3df iomem 0xa0000-0xbffff on isa0
ppc0: cannot reserve I/O port range
est0: <Enhanced SpeedStep Frequency Control> on cpu0
p4tcc0: <CPU Frequency Thermal Control> on cpu0
est1: <Enhanced SpeedStep Frequency Control> on cpu1
p4tcc1: <CPU Frequency Thermal Control> on cpu1
est2: <Enhanced SpeedStep Frequency Control> on cpu2
p4tcc2: <CPU Frequency Thermal Control> on cpu2
est3: <Enhanced SpeedStep Frequency Control> on cpu3
p4tcc3: <CPU Frequency Thermal Control> on cpu3
est4: <Enhanced SpeedStep Frequency Control> on cpu4
p4tcc4: <CPU Frequency Thermal Control> on cpu4
est5: <Enhanced SpeedStep Frequency Control> on cpu5
p4tcc5: <CPU Frequency Thermal Control> on cpu5
est6: <Enhanced SpeedStep Frequency Control> on cpu6
p4tcc6: <CPU Frequency Thermal Control> on cpu6
est7: <Enhanced SpeedStep Frequency Control> on cpu7
p4tcc7: <CPU Frequency Thermal Control> on cpu7
est8: <Enhanced SpeedStep Frequency Control> on cpu8
p4tcc8: <CPU Frequency Thermal Control> on cpu8
est9: <Enhanced SpeedStep Frequency Control> on cpu9
p4tcc9: <CPU Frequency Thermal Control> on cpu9
est10: <Enhanced SpeedStep Frequency Control> on cpu10
p4tcc10: <CPU Frequency Thermal Control> on cpu10
est11: <Enhanced SpeedStep Frequency Control> on cpu11

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p4tcc11: <CPU Frequency Thermal Control> on cpu11
Timecounters tick every 1.000 msec
mfi0: 2891 (488977129s/0x0020/info) - Shutdown command received from host
mfi0: 2892 (boot + 8s/0x0020/info) - Firmware initialization started (PCI ID 005d/1000/9364/1000)
mfi0: 2893 (boot + 8s/0x0020/info) - Firmware version 4.220.80-3991
mfi0: 2894 (boot + 10s/0x0008/info) - Battery Present
mfi0: 2895 (boot + 16s/0x0020/info) - Package version 24.2.1-0056
mfi0: 2896 (boot + 16s/0x0020/info) - Board Revision 02A
mfi0: 2897 (boot + 20s/0x0008/info) - Battery charge complete
mfi0: 2898 (boot + 20s/0x0008/info) - Battery temperature is normal
mfi0: 2899 (boot + 34s/0x0002/info) - Inserted: PD 17(e0xfc/s0)
mfi0: 2900 (boot + 34s/0x0002/info) - Inserted: PD 17(e0xfc/s0) Info: enclPd=fc, scsiType=0, portMap=00,
sasAddr=5000cca036005a59,0000000000000000
mfi0: 2901 (boot + 35s/0x0020/info) - Patrol Read resumed
mfi0: 2902 (488977183s/0x0020/info) - Time established as 06/30/15 10:59:43; (37 seconds since power on)
mfi0: 2903 (488977231s/0x0008/info) - Battery relearn will start in 5 hours
mfi0: 2904 (boot + 23s/0x0020/info) - Firmware initialization started (PCI ID 005d/1000/9364/1000)
mfi0: 2905 (boot + 23s/0x0020/info) - Firmware version 4.220.80-3991
mfi0: 2906 (boot + 25s/0x0008/info) - Battery Present
mfi0: 2907 (boot + 26s/0x0020/info) - Package version 24.2.1-0056
mfi0: 2908 (boot + 26s/0x0020/info) - Board Revision 02A
mfi0: 2909 (boot + 30s/0x0008/info) - Battery charge complete
mfi0: 2910 (boot + 30s/0x0008/info) - Battery temperature is normal
mfi0: 2911 (boot + 44s/0x0002/info) - Inserted: PD 17(e0xfc/s0)
mfi0: 2912 (boot + 44s/0x0002/info) - Inserted: PD 17(e0xfc/s0) Info: enclPd=fc, scsiType=0, portMap=00,
sasAddr=5000cca036005a59,0000000000000000
mfi0: 2913 (boot + 47s/0x0020/info) - Patrol Read resumed
mfi0: 2914 (488977597s/0x0020/info) - Time established as 06/30/15 11:06:37; (49 seconds since power on)
mfi0: 2915 (488977644s/0x0008/info) - Battery relearn will start in 5 hours
mfi0: 2916 (boot + 23s/0x0020/info) - Firmware initialization started (PCI ID 005d/1000/9364/1000)
mfi0: 2917 (boot + 23s/0x0020/info) - Firmware version 4.220.80-3991
mfi0: 2918 (boot + 25s/0x0008/info) - Battery Present
mfi0: 2919 (boot + 26s/0x0020/info) - Package version 24.2.1-0056
mfi0: 2920 (boot + 26s/0x0020/info) - Board Revision 02A
mfi0: 2921 (boot + 30s/0x0008/info) - Battery charge complete
mfi0: 2922 (boot + 30s/0x0008/info) - Battery temperature is normal
mfi0: 2923 (boot + 44s/0x0002/info) - Inserted: PD 17(e0xfc/s0)
mfi0: 2924 (boot + 44s/0x0002/info) - Inserted: PD 17(e0xfc/s0) Info: enclPd=fc, scsiType=0, portMap=00,
sasAddr=5000cca036005a59,0000000000000000
mfi0: 2925 (boot + 47s/0x0020/info) - Patrol Read resumed
mfi0: 2926 (488978322s/0x0020/info) - Time established as 06/30/15 11:18:42; (49 seconds since power on)
mfi0: 2927 (488978369s/0x0008/info) - Battery relearn will start in 5 hours
usb0: 5.0Gbps Super Speed USB v3.0
usb1: 480Mbps High Speed USB v2.0
usb2: 480Mbps High Speed USB v2.0
ugen0.1: <0x8086> at usb0
uhub0: <0x8086 XHCI root HUB, class 9/0, rev 3.00/1.00, 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
ugen2.1: <Intel> at usb2
uhub2: <Intel EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1> on usb2
mfi0 on mfi0
mfi0: 857792MB (1756758016 sectors) RAID volume (no label) is optimal
cd0 at ahcich4 bus 0 scbus4 target 0 lun 0
cd0: <MATSHITA DVD-ROM UJ8E2 1.00> Removable CD-ROM SCSI-0 device
cd0: Serial Number H086 003251
cd0: 150.000MB/s transfers (SATA 1.x, UDMA6, ATAPI 12bytes, PIO 8192bytes)
cd0: Attempt to query device size failed: NOT READY, Medium not present - tray closed
SMP: AP CPU #8 Launched!
SMP: AP CPU #3 Launched!
SMP: AP CPU #6 Launched!
SMP: AP CPU #4 Launched!
SMP: AP CPU #9 Launched!
SMP: AP CPU #1 Launched!
SMP: AP CPU #11 Launched!
SMP: AP CPU #2 Launched!
SMP: AP CPU #10 Launched!
SMP: AP CPU #5 Launched!
SMP: AP CPU #7 Launched!
Swap zone entries reduced from 8121084 to 5414056.
Timecounter "TSC" frequency 1600029968 Hz quality 1000
uhub1: 2 ports with 2 removable, self powered
uhub2: 2 ports with 2 removable, self powered
uhub0: 21 ports with 21 removable, self powered
Root mount waiting for: usb2 usb1
ugen1.2: <vendor 0x8087> at usb1
uhub3: <vendor 0x8087 product 0x800a, class 9/0, rev 2.00/0.05, addr 2> on usb1
ugen2.2: <vendor 0x8087> at usb2
uhub4: <vendor 0x8087 product 0x8002, class 9/0, rev 2.00/0.05, addr 2> on usb2
uhub3: 6 ports with 6 removable, self powered
Root mount waiting for: usb2 usb1
uhub4: 8 ports with 8 removable, self powered
ugen1.3: <vendor 0x0409> at usb1
uhub5: <vendor 0x0409 product 0x005a, class 9/0, rev 2.00/1.00, addr 3> on usb1
Root mount waiting for: usb2 usb1
uhub5: 3 ports with 2 removable, bus powered
ugen2.3: <UFD 2.0> at usb2
umass0: <UFD 2.0 Silicon-Power4G, class 0/0, rev 2.00/1.00, addr 3> on usb2
umass0: SCSI over Bulk-Only; quirks = 0x4100
umass0:5:0:-1: Attached to scbus5
da0 at umass-sim0 bus 0 scbus5 target 0 lun 0

```

```
da0: <UFD 2.0 Silicon-Power4G PMAP> Removable Direct Access SCSI-4 device
da0: Serial Number 12101504054E6002A8B93C63044
da0: 40.000MB/s transfers
da0: 3700MB (7579008 512 byte sectors: 255H 63S/T 471C)
da0: quirks=0x2<NO_6_BYTE>
ugen1.4: <Topre Corporation> at usb1
ukbd0: <Topre Corporation HHKB Professional, class 0/0, rev 1.10/1.02, addr 4> on usb1
kbd0 at ukbd0
ugen1.5: <American Megatrends Inc.> at usb1
ukbd1: <Keyboard Interface> on usb1
kbd2 at ukbd1
ums0: <Mouse Interface> on usb1
ums0: 3 buttons and [Z] coordinates ID=0
Trying to mount root from ufs:/dev/ufs/FreeBSD_Install [ro,noatime]...
```

# カーネルデバイスツリー

```
nexus0
apic0
ram0
  I/O memory addresses:
    0x0-0x99bfff
    0x1000000-0x7ab03fff
    0x7bd5d000-0x7bd5dffff
    0x7bde4000-0x7bfffffff
    0x100000000-0x107fffffff
acpi0
  Interrupt request lines:
    9
  I/O ports:
    0x10-0x1f
    0x72-0x73
    0x80
    0x84-0x86
    0x88
    0x8c-0x8e
    0x90-0x9f
    0x400-0x47f
    0x500-0x57f
    0x580-0x59f
    0x600-0x61f
    0x800-0x81f
    0x880-0x883
  I/O memory addresses:
    0xc7800000-0xc78fffff
    0xc7914000-0xc7914fff
    0xfed12000-0xfed1200f
    0xfed12010-0xfed1201f
    0xfed1b000-0xfed1bfff
    0xfed1c000-0xfed3ffff
    0xfed45000-0xfed8bfff
    0xfeef0000-0xfeefffff
    0xff000000-0xffffffff
pcib0
pci255
pcib1
pci127
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
pcib2
  I/O ports:
    0xcf8-0xcff
pci0
hostb0
pcib3
  I/O ports:
    0x6000-0x6fff
  I/O memory addresses:
    0xc7a00000-0xc7cfffff
pci1
mfi0
  Interrupt request lines:
    264
  pcib3 I/O port window:
    0x6000-0x60ff
  pcib3 memory window:
    0xc7b00000-0xc7bfffff
    0xc7c00000-0xc7c0ffff
mfi0
pci4
pci32
pci5
pci64
ioapic0
  I/O memory addresses:
    0xc7d38000-0xc7d38fff
xhci0
  Interrupt request lines:
    19
  I/O memory addresses:
    0xc7d00000-0xc7d0ffff
usb0
uhub0
ehci0
  Interrupt request lines:
    18
  I/O memory addresses:
    0xc7d34000-0xc7d343ff
usb1
uhub1
uhub3
uhub5
ukbd0
ukbd1
ums0
pci6
pci65
pci7
  I/O memory addresses:
    0xc6000000-0xc60fffff
pci97

```

```

bge0
  Interrupt request lines:
    265
  pcib7 prefetch window:
    0xc6030000-0xc603ffff
    0xc6040000-0xc604ffff
    0xc6050000-0xc605ffff
  miibus0
  brgphy0
bge1
  Interrupt request lines:
    266
  pcib7 prefetch window:
    0xc6000000-0xc600ffff
    0xc6010000-0xc601ffff
    0xc6020000-0xc602ffff
  miibus1
  brgphy1
pcib8
  I/O memory addresses:
    0xc5000000-0xc5ffffff
    0xc7000000-0xc77fffff
pci98
  vgapci0
    pcib8 memory window:
      0xc7000000-0xc77fffff
    pcib8 prefetch window:
      0xc5000000-0xc5ffffff
ehci1
  Interrupt request lines:
    18
  I/O memory addresses:
    0xc7d33000-0xc7d333ff
usb2
  uhub2
  uhub4
  umass0
isab0
  isa0
  sc0
  vga0
    I/O ports:
      0x3c0-0x3df
    I/O memory addresses:
      0xa0000-0xbffff
orm0
  I/O memory addresses:
    0xc0000-0xc7fff
ahci0
  Interrupt request lines:
    267
  I/O ports:
    0x7000-0x701f
    0x7020-0x7023
    0x7030-0x7037
    0x7040-0x7043
    0x7050-0x7057
  I/O memory addresses:
    0xc7d32000-0xc7d327ff
ahcich0
  I/O memory addresses:
    0xc7d32100-0xc7d3217f
ahcich1
  I/O memory addresses:
    0xc7d32180-0xc7d321ff
ahcich2
  I/O memory addresses:
    0xc7d32200-0xc7d3227f
ahcich3
  I/O memory addresses:
    0xc7d32280-0xc7d322ff
ahcich4
  I/O memory addresses:
    0xc7d32300-0xc7d3237f
atdma0
  DMA request lines:
    4
  I/O ports:
    0x0-0xf
    0x81-0x83
    0x87
    0x89-0x8b
    0x8f
    0xc0-0xdf
atrtc0
  Interrupt request lines:
    8
  I/O ports:
    0x70-0x71
    0x74-0x77
fpupnp0

```

```
I/O ports:
  0xf0
attimer0
  Interrupt request lines:
    0
  I/O ports:
    0x40-0x43
    0x50-0x53
hpet0
  Interrupt request lines:
    256
    257
    258
    259
    260
    261
    262
    263
  I/O memory addresses:
    0xfed00000-0xfed003ff
acpi_sysresource0
acpi_sysresource1
uart0
  Interrupt request lines:
    4
  I/O ports:
    0x3f8-0x3ff
uart1
  Interrupt request lines:
    3
  I/O ports:
    0x2f8-0x2ff
acpi_sysresource2
pcib9
  pci128
  pci10
  pci129
  pci11
  pci130
  pci12
  pci131
  pci13
  pci132
  ioapic1
  I/O memory addresses:
    0xfbf20000-0xfbf20fff
acpi_button0
pci_link0
pci_link1
pci_link2
pci_link3
pci_link4
pci_link5
pci_link6
pci_link7
acpi_timer0
  ACPI I/O ports:
    0x408-0x40b
```

# PCIバスデータ詳細一覧

```
none0@pci0:255:8:0: class=0x088000 card=0x2f808086 chip=0x2f808086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none1@pci0:255:8:2: class=0x110100 card=0x2f328086 chip=0x2f328086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = dasp
none2@pci0:255:8:3: class=0x088000 card=0x2f838086 chip=0x2f838086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none3@pci0:255:11:0: class=0x088000 card=0x80591bcf chip=0x2f818086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none4@pci0:255:11:1: class=0x110100 card=0x80591bcf chip=0x2f368086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = dasp
none5@pci0:255:11:2: class=0x110100 card=0x80591bcf chip=0x2f378086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = dasp
none6@pci0:255:12:0: class=0x088000 card=0x80591bcf chip=0x2fe08086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none7@pci0:255:12:1: class=0x088000 card=0x80591bcf chip=0x2fe18086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none8@pci0:255:12:2: class=0x088000 card=0x80591bcf chip=0x2fe28086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none9@pci0:255:12:3: class=0x088000 card=0x80591bcf chip=0x2fe38086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none10@pci0:255:12:4: class=0x088000 card=0x80591bcf chip=0x2fe48086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none11@pci0:255:12:5: class=0x088000 card=0x80591bcf chip=0x2fe58086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none12@pci0:255:15:0: class=0x088000 card=0x00000000 chip=0x2ff88086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none13@pci0:255:15:1: class=0x088000 card=0x00000000 chip=0x2ff98086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none14@pci0:255:15:4: class=0x088000 card=0x80591bcf chip=0x2ffc8086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none15@pci0:255:15:5: class=0x088000 card=0x80591bcf chip=0x2ffd8086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none16@pci0:255:15:6: class=0x088000 card=0x80591bcf chip=0x2ffe8086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none17@pci0:255:16:0: class=0x088000 card=0x80591bcf chip=0x2fd8086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none18@pci0:255:16:1: class=0x110100 card=0x80591bcf chip=0x2f348086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = dasp
none19@pci0:255:16:5: class=0x088000 card=0x80591bcf chip=0x2fe8086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none20@pci0:255:16:6: class=0x110100 card=0x80591bcf chip=0x2f7d8086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = dasp
none21@pci0:255:16:7: class=0x088000 card=0x80591bcf chip=0x2f1f8086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none22@pci0:255:18:0: class=0x088000 card=0x80591bcf chip=0x2fa08086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none23@pci0:255:18:1: class=0x110100 card=0x2f308086 chip=0x2f308086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = dasp
none24@pci0:255:19:0: class=0x088000 card=0x80591bcf chip=0x2fa88086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none25@pci0:255:19:1: class=0x088000 card=0x80591bcf chip=0x2f718086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none26@pci0:255:19:2: class=0x088000 card=0x80591bcf chip=0x2faa8086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none27@pci0:255:19:3: class=0x088000 card=0x80591bcf chip=0x2fab8086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none28@pci0:255:19:4: class=0x088000 card=0x80591bcf chip=0x2fac8086 rev=0x02 hdr=0x00
```





```

class = dasp
none59@pci:0:127:8:3: class=0x088000 card=0x2f838086 chip=0x2f838086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none60@pci:0:127:11:0: class=0x088000 card=0x80591bcf chip=0x2f818086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none61@pci:0:127:11:1: class=0x110100 card=0x80591bcf chip=0x2f368086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = dasp
none62@pci:0:127:11:2: class=0x110100 card=0x80591bcf chip=0x2f378086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = dasp
none63@pci:0:127:12:0: class=0x088000 card=0x80591bcf chip=0x2fe08086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none64@pci:0:127:12:1: class=0x088000 card=0x80591bcf chip=0x2fe18086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none65@pci:0:127:12:2: class=0x088000 card=0x80591bcf chip=0x2fe28086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none66@pci:0:127:12:3: class=0x088000 card=0x80591bcf chip=0x2fe38086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none67@pci:0:127:12:4: class=0x088000 card=0x80591bcf chip=0x2fe48086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none68@pci:0:127:12:5: class=0x088000 card=0x80591bcf chip=0x2fe58086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none69@pci:0:127:15:0: class=0x088000 card=0x00000000 chip=0x2ff88086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none70@pci:0:127:15:1: class=0x088000 card=0x00000000 chip=0x2ff98086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none71@pci:0:127:15:4: class=0x088000 card=0x80591bcf chip=0x2ffc8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none72@pci:0:127:15:5: class=0x088000 card=0x80591bcf chip=0x2ffd8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none73@pci:0:127:15:6: class=0x088000 card=0x80591bcf chip=0x2ffe8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none74@pci:0:127:16:0: class=0x088000 card=0x80591bcf chip=0x2fd8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none75@pci:0:127:16:1: class=0x110100 card=0x80591bcf chip=0x2f348086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = dasp
none76@pci:0:127:16:5: class=0x088000 card=0x80591bcf chip=0x2f1e8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none77@pci:0:127:16:6: class=0x110100 card=0x80591bcf chip=0x2f7d8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = dasp
none78@pci:0:127:16:7: class=0x088000 card=0x80591bcf chip=0x2f1f8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none79@pci:0:127:18:0: class=0x088000 card=0x80591bcf chip=0x2fa08086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none80@pci:0:127:18:1: class=0x110100 card=0x2f308086 chip=0x2f308086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = dasp
none81@pci:0:127:19:0: class=0x088000 card=0x80591bcf chip=0x2fa88086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none82@pci:0:127:19:1: class=0x088000 card=0x80591bcf chip=0x2f718086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none83@pci:0:127:19:2: class=0x088000 card=0x80591bcf chip=0x2faa8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none84@pci:0:127:19:3: class=0x088000 card=0x80591bcf chip=0x2fab8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none85@pci:0:127:19:4: class=0x088000 card=0x80591bcf chip=0x2fac8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none86@pci:0:127:19:5: class=0x088000 card=0x80591bcf chip=0x2fad8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none87@pci:0:127:19:6: class=0x088000 card=0x00000000 chip=0x2fae8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none88@pci:0:127:19:7: class=0x088000 card=0x00000000 chip=0x2faf8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral

```

```

none89@pci0:127:20:0: class=0x088000 card=0x80591bcf chip=0x2fb08086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none90@pci0:127:20:1: class=0x088000 card=0x80591bcf chip=0x2fb18086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none91@pci0:127:20:2: class=0x088000 card=0x80591bcf chip=0x2fb28086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none92@pci0:127:20:3: class=0x088000 card=0x80591bcf chip=0x2fb38086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none93@pci0:127:20:6: class=0x088000 card=0x00000000 chip=0x2fbc8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none94@pci0:127:20:7: class=0x088000 card=0x00000000 chip=0x2fbf8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none95@pci0:127:21:0: class=0x088000 card=0x80591bcf chip=0x2fb48086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none96@pci0:127:21:1: class=0x088000 card=0x80591bcf chip=0x2fb58086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none97@pci0:127:21:2: class=0x088000 card=0x80591bcf chip=0x2fb68086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none98@pci0:127:21:3: class=0x088000 card=0x80591bcf chip=0x2fb78086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none99@pci0:127:22:0: class=0x088000 card=0x00000000 chip=0x2f688086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none100@pci0:127:22:6: class=0x088000 card=0x00000000 chip=0x2f6e8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none101@pci0:127:22:7: class=0x088000 card=0x00000000 chip=0x2f6f8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none102@pci0:127:23:0: class=0x088000 card=0x00000000 chip=0x2fd08086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none103@pci0:127:23:4: class=0x088000 card=0x00000000 chip=0x2fb88086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none104@pci0:127:23:5: class=0x088000 card=0x00000000 chip=0x2fb98086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none105@pci0:127:23:6: class=0x088000 card=0x00000000 chip=0x2fba8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none106@pci0:127:23:7: class=0x088000 card=0x00000000 chip=0x2fbb8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none107@pci0:127:30:0: class=0x088000 card=0x80591bcf chip=0x2f988086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none108@pci0:127:30:1: class=0x088000 card=0x80591bcf chip=0x2f998086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none109@pci0:127:30:2: class=0x088000 card=0x80591bcf chip=0x2f9a8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none110@pci0:127:30:3: class=0x088000 card=0x80591bcf chip=0x2f9c8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none111@pci0:127:30:4: class=0x088000 card=0x80591bcf chip=0x2f9e8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none112@pci0:127:31:0: class=0x088000 card=0x00000000 chip=0x2f888086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none113@pci0:127:31:2: class=0x088000 card=0x00000000 chip=0x2f8a8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
hostb0@pci0:0:0:0: class=0x060000 card=0x80591bcf chip=0x2f008086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = bridge
    subclass = HOST-PCI
    cap 10[90] = PCI-Express 2 root port max data 128(128) link x0(x4)
                speed 0.0(2.5) ASPM disabled(L1)
    cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000b[144] = Vendor 1 ID 4
ecap 000b[1d0] = Vendor 1 ID 3
ecap 000b[280] = Vendor 1 ID 5
ecap 000b[300] = Vendor 1 ID 8
pcib3@pci0:0:1:0: class=0x060400 card=0x80591bcf chip=0x2f028086 rev=0x02 hdr=0x01
    vendor   = 'Intel Corporation'
    class    = bridge
    subclass = PCI-PCI

```

```

cap 0d[40] = PCI Bridge card=0x80591bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port slot max data 256(256) link x8(x8)
            speed 8.0(8.0) ASPM disabled(L1)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
ecap 000b[300] = Vendor 1 ID 8
pcib4@pci0:0:2:0:      class=0x060400 card=0x80591bcf chip=0x2f048086 rev=0x02 hdr=0x01
    vendor      = 'Intel Corporation'
    class       = bridge
    subclass    = PCI-PCI
    cap 0d[40]  = PCI Bridge card=0x80591bcf
    cap 05[60]  = MSI supports 2 messages, vector masks
    cap 10[90]  = PCI-Express 2 root port slot max data 128(256) link x0(x16)
                speed 0.0(8.0) ASPM disabled(L1)
    cap 01[e0]  = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
ecap 000b[300] = Vendor 1 ID 8
pcib5@pci0:0:3:0:      class=0x060400 card=0x80591bcf chip=0x2f088086 rev=0x02 hdr=0x01
    vendor      = 'Intel Corporation'
    class       = bridge
    subclass    = PCI-PCI
    cap 0d[40]  = PCI Bridge card=0x80591bcf
    cap 05[60]  = MSI supports 2 messages, vector masks
    cap 10[90]  = PCI-Express 2 root port slot max data 128(256) link x0(x16)
                speed 0.0(8.0) ASPM disabled(L1)
    cap 01[e0]  = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
ecap 000b[300] = Vendor 1 ID 8
none114@pci0:0:4:0:    class=0x088000 card=0x80591bcf chip=0x2f208086 rev=0x02 hdr=0x00
    vendor      = 'Intel Corporation'
    class       = base peripheral
    cap 11[80]  = MSI-X supports 1 message in map 0x10
    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
none115@pci0:0:4:1:    class=0x088000 card=0x80591bcf chip=0x2f218086 rev=0x02 hdr=0x00
    vendor      = 'Intel Corporation'
    class       = base peripheral
    cap 11[80]  = MSI-X supports 1 message in map 0x10
    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
none116@pci0:0:4:2:    class=0x088000 card=0x80591bcf chip=0x2f228086 rev=0x02 hdr=0x00
    vendor      = 'Intel Corporation'
    class       = base peripheral
    cap 11[80]  = MSI-X supports 1 message in map 0x10
    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
none117@pci0:0:4:3:    class=0x088000 card=0x80591bcf chip=0x2f238086 rev=0x02 hdr=0x00
    vendor      = 'Intel Corporation'
    class       = base peripheral
    cap 11[80]  = MSI-X supports 1 message in map 0x10
    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
none118@pci0:0:4:4:    class=0x088000 card=0x80591bcf chip=0x2f248086 rev=0x02 hdr=0x00
    vendor      = 'Intel Corporation'
    class       = base peripheral
    cap 11[80]  = MSI-X supports 1 message in map 0x10
    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
none119@pci0:0:4:5:    class=0x088000 card=0x80591bcf chip=0x2f258086 rev=0x02 hdr=0x00
    vendor      = 'Intel Corporation'
    class       = base peripheral
    cap 11[80]  = MSI-X supports 1 message in map 0x10
    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
none120@pci0:0:4:6:    class=0x088000 card=0x80591bcf chip=0x2f268086 rev=0x02 hdr=0x00
    vendor      = 'Intel Corporation'
    class       = base peripheral
    cap 11[80]  = MSI-X supports 1 message in map 0x10
    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
none121@pci0:0:4:7:    class=0x088000 card=0x80591bcf chip=0x2f278086 rev=0x02 hdr=0x00
    vendor      = 'Intel Corporation'
    class       = base peripheral
    cap 11[80]  = MSI-X supports 1 message in map 0x10
    cap 10[90]  = PCI-Express 2 root endpoint max data 128(128) link x0(x0)

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    cap 01[e0] = powerspec 3 supports D0 D3 current D0
none122@pci:0:5:0:   class=0x088000 card=0x80591bcf chip=0x2f288086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
    cap 10[40] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
none123@pci:0:5:1:   class=0x088000 card=0x80591bcf chip=0x2f298086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
    cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
    cap 05[80] = MSI supports 1 message, 64 bit
ecap 000b[100] = Vendor 1 ID 6
ecap 000b[110] = Vendor 1 ID 6
ecap 000b[120] = Vendor 1 ID 6
ecap 000b[130] = Vendor 1 ID 6
none124@pci:0:5:2:   class=0x088000 card=0x80591bcf chip=0x2f2a8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
    cap 10[40] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
ioapic0@pci:0:5:4:   class=0x080020 card=0x80591bcf chip=0x2f2c8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
    subclass = interrupt controller
    cap 10[44] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
    cap 01[e0] = powerspec 3 supports D0 D3 current D0
none125@pci:0:17:0:  class=0xff0000 card=0x80591bcf chip=0x8d7c8086 rev=0x05 hdr=0x00
    vendor   = 'Intel Corporation'
    cap 10[40] = PCI-Express 2 root endpoint 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
xhci0@pci:0:20:0:   class=0xc0330 card=0x80591bcf chip=0x8d318086 rev=0x05 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = serial bus
    subclass = USB
    cap 01[70] = powerspec 2 supports D0 D3 current D0
none126@pci:0:22:0:  class=0x078000 card=0x80591bcf chip=0x8d3a8086 rev=0x05 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = simple comms
    cap 01[50] = powerspec 3 supports D0 D3 current D0
    cap 05[8c] = MSI supports 1 message, 64 bit
none127@pci:0:22:1:  class=0x078000 card=0x80591bcf chip=0x8d3b8086 rev=0x05 hdr=0x00
    vendor   = 'Intel Corporation'
    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=0xc0320 card=0x80591bcf chip=0x8d2d8086 rev=0x05 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = serial bus
    subclass = USB
    cap 01[50] = powerspec 2 supports D0 D3 current D0
    cap 0a[58] = EHCI Debug Port at offset 0xa0 in map 0x14
    cap 13[98] = PCI Advanced Features: FLR TP
pcib6@pci:0:28:0:   class=0x060400 card=0x80591bcf chip=0x8d108086 rev=0xd5 hdr=0x01
    vendor   = 'Intel Corporation'
    class    = bridge
    subclass = PCI-PCI
    cap 10[40] = PCI-Express 2 root port slot max data 128(128) link x0(x1)
    speed 0.0(5.0) ASPM disabled(L0s/L1)
    cap 05[80] = MSI supports 1 message
    cap 0d[90] = PCI Bridge card=0x80591bcf
    cap 01[a0] = powerspec 3 supports D0 D3 current D0
pcib7@pci:0:28:2:   class=0x060400 card=0x80591bcf chip=0x8d148086 rev=0xd5 hdr=0x01
    vendor   = 'Intel Corporation'
    class    = bridge
    subclass = PCI-PCI
    cap 10[40] = PCI-Express 2 root port slot max data 128(128) link x1(x1)
    speed 5.0(5.0) ASPM disabled(L0s/L1)
    cap 05[80] = MSI supports 1 message enabled with 1 message
    cap 0d[90] = PCI Bridge card=0x80591bcf
    cap 01[a0] = powerspec 3 supports D0 D3 current D0
pcib8@pci:0:28:3:   class=0x060400 card=0x80591bcf chip=0x8d168086 rev=0xd5 hdr=0x01
    vendor   = 'Intel Corporation'
    class    = bridge
    subclass = PCI-PCI
    cap 10[40] = PCI-Express 2 root port slot max data 128(128) link x1(x1)
    speed 2.5(5.0) ASPM disabled(L0s/L1)
    cap 05[80] = MSI supports 1 message enabled with 1 message
    cap 0d[90] = PCI Bridge card=0x80591bcf
    cap 01[a0] = powerspec 3 supports D0 D3 current D0
ehci1@pci:0:29:0:   class=0xc0320 card=0x80591bcf chip=0x8d268086 rev=0x05 hdr=0x00
    vendor   = 'Intel Corporation'
    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
isab0@pci:0:31:0:   class=0x060100 card=0x80591bcf chip=0x8d448086 rev=0x05 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = bridge
    subclass = PCI-ISA
    cap 09[e0] = vendor (length 12) Intel cap 1 version 0
    features: AMT, 4 PCI-e x1 slots

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ahci0@pci:0:31:2:    class=0x010601 card=0x80591bcf chip=0x8d028086 rev=0x05 hdr=0x00
  vendor    = 'Intel Corporation'
  class     = mass storage
  subclass  = SATA
  cap 05[80] = MSI supports 1 message enabled with 1 message
  cap 01[70] = powerspec 3 supports D0 D3 current D0
  cap 12[a8] = SATA Index-Data Pair
none128@pci:0:31:3:    class=0x0c0500 card=0x80591bcf chip=0x8d228086 rev=0x05 hdr=0x00
  vendor    = 'Intel Corporation'
  class     = serial bus
  subclass  = SMBus
mfi0@pci:1:0:0:    class=0x010400 card=0x93641000 chip=0x005d1000 rev=0x02 hdr=0x00
  vendor    = 'LSI Logic / Symbios Logic'
  device    = 'MegaRAID SAS-3 3108 [Invader]'
  class     = mass storage
  subclass  = RAID
  cap 01[50] = powerspec 3 supports D0 D1 D2 D3 current D0
  cap 10[68] = PCI-Express 2 endpoint max data 256(4096) FLR link x8(x8)
               speed 8.0(8.0) ASPM disabled(L0s)
  cap 03[d0] = VPD
  cap 05[a8] = MSI supports 1 message, 64 bit, vector masks enabled with 1 message
  cap 11[c0] = MSI-X supports 97 messages in map 0x14
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:97:0:0:    class=0x020000 card=0x80591bcf chip=0x165f14e4 rev=0x00 hdr=0x00
  vendor    = 'Broadcom Corporation'
  device    = 'NetXtreme BCM5720 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 in map 0x20
  cap 10[ac] = PCI-Express 2 endpoint max data 128(256) FLR link x1(x2)
               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 0000fcaa14a3c4bf
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
bge1@pci:97:0:1:    class=0x020000 card=0x80591bcf chip=0x165f14e4 rev=0x00 hdr=0x00
  vendor    = 'Broadcom Corporation'
  device    = 'NetXtreme BCM5720 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 in map 0x20
  cap 10[ac] = PCI-Express 2 endpoint max data 128(256) FLR link x1(x2)
               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 0000fcaa14a3c4c0
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
vgapci@pci:0:98:0:0:    class=0x030000 card=0x80591bcf chip=0x0522102b rev=0x00 hdr=0x00
  vendor    = 'Matrox Graphics, Inc.'
  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
pcib10@pci:0:128:0:0:    class=0x060400 card=0x80591bcf chip=0x2f018086 rev=0x02 hdr=0x01
  vendor    = 'Intel Corporation'
  class     = bridge
  subclass  = PCI-PCI
  cap 0d[40] = PCI Bridge card=0x80591bcf
  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(5.0) 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 000b[280] = Vendor 1 ID 5
ecap 000b[300] = Vendor 1 ID 8
pcib11@pci:0:128:1:0:    class=0x060400 card=0x80591bcf chip=0x2f028086 rev=0x02 hdr=0x01
  vendor    = 'Intel Corporation'
  class     = bridge
  subclass  = PCI-PCI
  cap 0d[40] = PCI Bridge card=0x80591bcf
  cap 05[60] = MSI supports 2 messages, vector masks
  cap 10[90] = PCI-Express 2 root port slot max data 128(256) link x0(x8)
               speed 0.0(8.0) ASPM disabled(L1)
  cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2

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ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
ecap 000b[300] = Vendor 1 ID 8
pcib12@pci0:128:2:0: class=0x060400 card=0x80591bcf chip=0x2f048086 rev=0x02 hdr=0x01
  vendor = 'Intel Corporation'
  class = bridge
  subclass = PCI-PCI
  cap 0d[40] = PCI Bridge card=0x80591bcf
  cap 05[60] = MSI supports 2 messages, vector masks
  cap 10[90] = PCI-Express 2 root port max data 128(256) link x0(x16)
    speed 0.0(8.0) ASPM disabled(L1)
  cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
ecap 000b[300] = Vendor 1 ID 8
pcib13@pci0:128:3:0: class=0x060400 card=0x80591bcf chip=0x2f088086 rev=0x02 hdr=0x01
  vendor = 'Intel Corporation'
  class = bridge
  subclass = PCI-PCI
  cap 0d[40] = PCI Bridge card=0x80591bcf
  cap 05[60] = MSI supports 2 messages, vector masks
  cap 10[90] = PCI-Express 2 root port max data 128(256) link x0(x16)
    speed 0.0(8.0) ASPM disabled(L1)
  cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
ecap 000b[300] = Vendor 1 ID 8
none129@pci0:128:4:0: class=0x088000 card=0x80591bcf chip=0x2f208086 rev=0x02 hdr=0x00
  vendor = 'Intel Corporation'
  class = base peripheral
  cap 11[80] = MSI-X supports 1 message in map 0x10
  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
none130@pci0:128:4:1: class=0x088000 card=0x80591bcf chip=0x2f218086 rev=0x02 hdr=0x00
  vendor = 'Intel Corporation'
  class = base peripheral
  cap 11[80] = MSI-X supports 1 message in map 0x10
  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
none131@pci0:128:4:2: class=0x088000 card=0x80591bcf chip=0x2f228086 rev=0x02 hdr=0x00
  vendor = 'Intel Corporation'
  class = base peripheral
  cap 11[80] = MSI-X supports 1 message in map 0x10
  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
none132@pci0:128:4:3: class=0x088000 card=0x80591bcf chip=0x2f238086 rev=0x02 hdr=0x00
  vendor = 'Intel Corporation'
  class = base peripheral
  cap 11[80] = MSI-X supports 1 message in map 0x10
  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
none133@pci0:128:4:4: class=0x088000 card=0x80591bcf chip=0x2f248086 rev=0x02 hdr=0x00
  vendor = 'Intel Corporation'
  class = base peripheral
  cap 11[80] = MSI-X supports 1 message in map 0x10
  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
none134@pci0:128:4:5: class=0x088000 card=0x80591bcf chip=0x2f258086 rev=0x02 hdr=0x00
  vendor = 'Intel Corporation'
  class = base peripheral
  cap 11[80] = MSI-X supports 1 message in map 0x10
  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
none135@pci0:128:4:6: class=0x088000 card=0x80591bcf chip=0x2f268086 rev=0x02 hdr=0x00
  vendor = 'Intel Corporation'
  class = base peripheral
  cap 11[80] = MSI-X supports 1 message in map 0x10
  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
none136@pci0:128:4:7: class=0x088000 card=0x80591bcf chip=0x2f278086 rev=0x02 hdr=0x00
  vendor = 'Intel Corporation'
  class = base peripheral
  cap 11[80] = MSI-X supports 1 message in map 0x10
  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
none137@pci0:128:5:0: class=0x088000 card=0x80591bcf chip=0x2f288086 rev=0x02 hdr=0x00
  vendor = 'Intel Corporation'
  class = base peripheral
  cap 10[40] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
none138@pci0:128:5:1: class=0x088000 card=0x80591bcf chip=0x2f298086 rev=0x02 hdr=0x00

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vendor      = 'Intel Corporation'
class       = base peripheral
cap 10[40]  = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
cap 05[80]  = MSI supports 1 message, 64 bit
ecap 000b[100] = Vendor 1 ID 6
ecap 000b[110] = Vendor 1 ID 6
ecap 000b[120] = Vendor 1 ID 6
ecap 000b[130] = Vendor 1 ID 6
none139@pci0:128:5:2: class=0x088000 card=0x80591bcf chip=0x2f2a8086 rev=0x02 hdr=0x00
vendor      = 'Intel Corporation'
class       = base peripheral
cap 10[40]  = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
ioapic1@pci0:128:5:4: class=0x080020 card=0x80591bcf chip=0x2f2c8086 rev=0x02 hdr=0x00
vendor      = 'Intel Corporation'
class       = base peripheral
subclass    = interrupt controller
cap 10[44]  = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
cap 01[e0]  = powerspec 3 supports D0 D3 current D0
```



# ACPI電源管理データ詳細一覧

```
RSD PTR: OEM=AMI, ACPI_Rev=2.0x (2)
XSDT=0x7b0d4088, length=36, cksum=140
XSDT: Length=140, Revision=1, Checksum=63,
OEMID=AMI, OEM Table ID=0694, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
Entries={ 0x7b0eae28, 0x7b0eaf38, 0x7b0eb048, 0x7b0eb0e8, 0x7b0eb128, 0x7b0eb160, 0x7b0eb190, 0x7b0ebfe8, 0x7b0f3918, 0x7b0f3968,
0x7b0f5250, 0x7b0f52b8, 0x7b0f5420 }
FACP: Length=268, Revision=5, Checksum=208,
OEMID=AMI, OEM Table ID=0694, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
FACS=0x7b641f80, DSDT=0x7b0d41a0
INT_MODEL=APIC
Preferred_PM_Profile=Enterprise Server (4)
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_ALRM=13, MON_ALRM=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}
RESET_REG=0x50d:0[8] (IO), RESET_VALUE=0xbf
FACS: Length=64, HwSig=0x0000001b, FirmWake_Vec=0x00000000
Global_Lock=
Flags=
Version=2
DSDT: Length=93314, Revision=2, Checksum=27,
OEMID=AMI, OEM Table ID=0694, OEM Revision=0x1072009,
Creator ID=INTL, Creator Revision=0x20091013
APIC: Length=268, Revision=3, Checksum=29,
OEMID=AMI, OEM Table ID=0694, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
Local APIC ADDR=0xfe00000
Flags={PC-AT}
Type=Local APIC
ACPI CPU=0
Flags={ENABLED}
APIC ID=0
Type=Local APIC
ACPI CPU=2
Flags={ENABLED}
APIC ID=2
Type=Local APIC
ACPI CPU=4
Flags={ENABLED}
APIC ID=4
Type=Local APIC
ACPI CPU=6
Flags={ENABLED}
APIC ID=6
Type=Local APIC
ACPI CPU=8
Flags={ENABLED}
APIC ID=8
Type=Local APIC
ACPI CPU=10
Flags={ENABLED}
APIC ID=10
Type=Local APIC
ACPI CPU=16
Flags={ENABLED}
APIC ID=16
Type=Local APIC
ACPI CPU=18
Flags={ENABLED}
APIC ID=18
Type=Local APIC
ACPI CPU=20
Flags={ENABLED}
APIC ID=20
Type=Local APIC
ACPI CPU=22
Flags={ENABLED}
APIC ID=22
Type=Local APIC
ACPI CPU=24
Flags={ENABLED}
APIC ID=24
Type=Local APIC
```

```

ACPI CPU=26
Flags={ENABLED}
APIC ID=26
Type=Local APIC NMI
ACPI CPU=0
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=2
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=4
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=6
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=8
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=10
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=16
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=18
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=20
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=22
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=24
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=26
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=IO APIC
APIC ID=8
INT BASE=0
ADDR=0x00000000fec00000
Type=IO APIC
APIC ID=9
INT BASE=24
ADDR=0x00000000fec01000
Type=IO APIC
APIC ID=10
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}
FIDT: Length=156, Revision=1, Checksum=213,
OEMID=AMI, OEM Table ID=0694, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
MCFG: Length=60, Revision=1, Checksum=155,
OEMID=AMI, OEM Table ID=0694, OEM Revision=0x1072009,
Creator ID=MSFT, Creator Revision=0x97
Base Address=0x0000000080000000
Segment Group=0x0000
Start Bus=0
End Bus=255
HPET: Length=56, Revision=1, Checksum=167,
OEMID=AMI, OEM Table ID=0694, OEM Revision=0x1,
Creator ID=INTL, Creator Revision=0x20091013
HPET Number=0
ADDR=0xfed00000:0[64] (Memory) HW Rev=0x1
Comparators=7
Counter Size=1
Legacy IRQ routing capable={TRUE}

```



















```
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
SSDT: Length=31019, Revision=1, Checksum=15,
      OEMID=AMI, OEM Table ID=PmMgt, OEM Revision=0x1,
      Creator ID=INTL, Creator Revision=0x20120913
SPCR: Length=80, Revision=1, Checksum=33,
      OEMID=A M I, OEM Table ID=APTIO V, OEM Revision=0x1072009,
      Creator ID=AMI., Creator Revision=0x5
SSDT: Length=6370, Revision=2, Checksum=251,
      OEMID=AMI, OEM Table ID=SpsNm, OEM Revision=0x2,
      Creator ID=INTL, Creator Revision=0x20120913
SSDT: Length=100, Revision=2, Checksum=130,
      OEMID=AMI, OEM Table ID=SpsNvs, OEM Revision=0x2,
      Creator ID=INTL, Creator Revision=0x20120913
DMAR: Length=360, Revision=1, Checksum=157,
      OEMID=AMI, OEM Table ID=0694, OEM Revision=0x1,
      Creator ID=INTL, Creator Revision=0x20091013
BERT: Length=48, Revision=1, Checksum=225,
      OEMID=AMI, OEM Table ID=0694, OEM Revision=0x1,
      Creator ID=INTL, Creator Revision=0x1
      Store ("H2: 0xD6 ME WP != ME RP", Debug)
      Store ("H2: 0xD7 Command == 0 ", Debug)
```

# 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 fc:aa:14:a3:c4:bf
inet 192.168.10.69 netmask 0xfffff00 broadcast 192.168.10.255
nd6 options=29<PERFORMNUD,IFDISABLED,AUTO_LINKLOCAL>
media: Ethernet autoselect (1000baseT <full-duplex>)
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 fc:aa:14:a3:c4:c0
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 0x6
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	8 root	wheel	512 Jun 30 11:20 /dev
136	0 lrwxr-xr-x	1 root	wheel	12 Jun 30 11:20 /dev/log -> /var/run/log
3	0 crw-r-----	1 root	operator	0, 3 Jun 30 11:20 /dev/geom.ctl
4	0 cr--r--r--	1 root	wheel	0, 4 Jun 30 11:20 /dev/sndstat
5	0 crw-----	1 root	wheel	0, 5 Jun 30 11:20 /dev/devctl
6	0 crw-----	1 root	wheel	0, 6 Jun 30 11:20 /dev/console
7	0 crw-----	1 root	wheel	0, 7 Jun 30 11:20 /dev/sysmouse
8	0 crw-----	1 root	wheel	0, 8 Jun 30 11:20 /dev/klog
9	0 crw-----	1 root	wheel	0, 9 Jun 30 11:20 /dev/kbdmux0
10	0 lrwxr-xr-x	1 root	wheel	7 Jun 30 11:20 /dev/kbd1 -> kbdmux0
11	0 crw-rw-rw-	1 root	wheel	0, 11 Jun 30 11:20 /dev/tty
12	0 crw-r-----	1 root	kmem	0, 12 Jun 30 11:20 /dev/mem
13	0 crw-r-----	1 root	kmem	0, 13 Jun 30 11:20 /dev/kmem
14	0 crw-----	1 root	wheel	0, 14 Jun 30 11:21 /dev/bpf
15	0 lrwxr-xr-x	1 root	wheel	3 Jun 30 11:20 /dev/bpf0 -> bpf
16	0 crw-----	1 root	wheel	0, 16 Jun 30 11:20 /dev/fido
17	0 crw-----	1 root	kmem	0, 17 Jun 30 11:20 /dev/nfslock
18	0 crw-rw-rw-	1 root	wheel	0, 18 Jun 30 11:22 /dev/null
19	0 crw-rw-rw-	1 root	wheel	0, 19 Jun 30 11:20 /dev/zero
20	0 crw-----	1 root	kmem	0, 20 Jun 30 11:20 /dev/audit
21	0 crw-r--r--	1 root	wheel	0, 21 Jun 30 11:20 /dev/pci
22	0 crw-rw-rw-	1 root	wheel	0, 22 Jun 30 11:20 /dev/ptmx
23	0 crw-rw-rw-	1 root	wheel	0, 23 Jun 30 11:20 /dev/random
24	0 lrwxr-xr-x	1 root	wheel	6 Jun 30 11:20 /dev/urandom -> random
130	1 dr-xr-xr-x	2 root	wheel	512 Jun 30 11:20 /dev/fd
25	0 crw-rw-rw-	1 root	wheel	0, 25 Jun 30 11:20 /dev/fd/0
27	0 crw-rw-rw-	1 root	wheel	0, 27 Jun 30 11:20 /dev/fd/1
29	0 crw-rw-rw-	1 root	wheel	0, 29 Jun 30 11:20 /dev/fd/2
26	0 lrwxr-xr-x	1 root	wheel	4 Jun 30 11:20 /dev/stdin -> fd/0
28	0 lrwxr-xr-x	1 root	wheel	4 Jun 30 11:20 /dev/stdout -> fd/1
30	0 lrwxr-xr-x	1 root	wheel	4 Jun 30 11:20 /dev/stderr -> fd/2
31	0 crw-----	1 root	wheel	0, 31 Jun 30 11:20 /dev/io
32	0 crw-rw-rw-	1 root	wheel	0, 32 Jun 30 11:20 /dev/midstat
33	0 crw-r--r--	1 root	wheel	0, 33 Jun 30 11:20 /dev/acpi
34	0 crw-r-----	1 root	operator	0, 34 Jun 30 11:20 /dev/mfi0
35	0 lrwxr-xr-x	1 root	wheel	4 Jun 30 11:20 /dev/megaraid_sas_ioctl_node -> mfi0
131	1 dr-xr-xr-x	2 root	wheel	512 Jun 30 11:20 /dev/led
36	0 crw-----	1 root	wheel	0, 36 Jun 30 11:20 /dev/led/ahcich0.locate
37	0 crw-----	1 root	wheel	0, 37 Jun 30 11:20 /dev/led/ahcich0.fault
38	0 crw-----	1 root	wheel	0, 38 Jun 30 11:20 /dev/led/ahcich1.locate
39	0 crw-----	1 root	wheel	0, 39 Jun 30 11:20 /dev/led/ahcich1.fault
40	0 crw-----	1 root	wheel	0, 40 Jun 30 11:20 /dev/led/ahcich2.locate
41	0 crw-----	1 root	wheel	0, 41 Jun 30 11:20 /dev/led/ahcich2.fault
42	0 crw-----	1 root	wheel	0, 42 Jun 30 11:20 /dev/led/ahcich3.locate
43	0 crw-----	1 root	wheel	0, 43 Jun 30 11:20 /dev/led/ahcich3.fault
44	0 crw-----	1 root	wheel	0, 44 Jun 30 11:20 /dev/led/ahcich4.locate
45	0 crw-----	1 root	wheel	0, 45 Jun 30 11:20 /dev/led/ahcich4.fault
46	0 crw-----	1 root	wheel	0, 46 Jun 30 11:20 /dev/ttyu0
47	0 crw-----	1 root	wheel	0, 47 Jun 30 11:20 /dev/ttyu0.init
48	0 crw-----	1 root	wheel	0, 48 Jun 30 11:20 /dev/ttyu0.lock
49	0 crw-rw----	1 uucp	dialer	0, 49 Jun 30 11:20 /dev/cuau0
50	0 crw-rw----	1 uucp	dialer	0, 50 Jun 30 11:20 /dev/cuau0.init
51	0 crw-rw----	1 uucp	dialer	0, 51 Jun 30 11:20 /dev/cuau0.lock
52	0 crw-----	1 root	wheel	0, 52 Jun 30 11:20 /dev/ttyu1
53	0 crw-----	1 root	wheel	0, 53 Jun 30 11:20 /dev/ttyu1.init
54	0 crw-----	1 root	wheel	0, 54 Jun 30 11:20 /dev/ttyu1.lock
55	0 crw-rw----	1 uucp	dialer	0, 55 Jun 30 11:20 /dev/cuau1
56	0 crw-rw----	1 uucp	dialer	0, 56 Jun 30 11:20 /dev/cuau1.init
57	0 crw-rw----	1 uucp	dialer	0, 57 Jun 30 11:20 /dev/cuau1.lock
58	0 crw-----	1 root	tty	0, 58 Jun 30 11:25 /dev/ttyv0
59	0 crw-----	1 root	wheel	0, 59 Jun 30 11:20 /dev/ttyv1
60	0 crw-----	1 root	wheel	0, 60 Jun 30 11:20 /dev/ttyv2
61	0 crw-----	1 root	wheel	0, 61 Jun 30 11:20 /dev/ttyv3
62	0 crw-----	1 root	wheel	0, 62 Jun 30 11:20 /dev/ttyv4
63	0 crw-----	1 root	wheel	0, 63 Jun 30 11:20 /dev/ttyv5
64	0 crw-----	1 root	wheel	0, 64 Jun 30 11:20 /dev/ttyv6
65	0 crw-----	1 root	wheel	0, 65 Jun 30 11:20 /dev/ttyv7
66	0 crw-----	1 root	wheel	0, 66 Jun 30 11:20 /dev/ttyv8
67	0 crw-----	1 root	wheel	0, 67 Jun 30 11:20 /dev/ttyv9
68	0 crw-----	1 root	wheel	0, 68 Jun 30 11:20 /dev/ttyva
69	0 crw-----	1 root	wheel	0, 69 Jun 30 11:20 /dev/ttyvb
70	0 crw-----	1 root	wheel	0, 70 Jun 30 11:20 /dev/ttyvc
71	0 crw-----	1 root	wheel	0, 71 Jun 30 11:20 /dev/ttyvd
72	0 crw-----	1 root	wheel	0, 72 Jun 30 11:20 /dev/ttyve
73	0 crw-----	1 root	wheel	0, 73 Jun 30 11:20 /dev/ttyvf
74	0 crw-----	1 root	wheel	0, 74 Jun 30 11:20 /dev/conslectl
75	0 crw-----	1 root	wheel	0, 75 Jun 30 11:20 /dev/ufssuspend
77	0 crw-r--r--	1 root	operator	0, 77 Jun 30 11:20 /dev/usbctl
78	0 crw-----	1 root	operator	0, 78 Jun 30 11:20 /dev/xpt0
79	0 crw-----	1 root	wheel	0, 79 Jun 30 11:20 /dev/mdctl
132	1 dr-xr-xr-x	2 root	wheel	512 Jun 30 11:20 /dev/usb
80	0 crw-----	1 root	operator	0, 80 Jun 30 11:20 /dev/usb/0.1.0
82	0 crw-----	1 root	operator	0, 82 Jun 30 11:20 /dev/usb/1.1.0
84	0 crw-----	1 root	operator	0, 84 Jun 30 11:20 /dev/usb/2.1.0
86	0 crw-----	1 root	operator	0, 86 Jun 30 11:20 /dev/usb/0.1.1

87	0 crw-----	1 root	operator	0,	87 Jun 30 11:20	/dev/usb/1.1.1
88	0 crw-----	1 root	operator	0,	88 Jun 30 11:20	/dev/usb/2.1.1
100	0 crw-----	1 root	operator	0,	100 Jun 30 11:20	/dev/usb/1.2.0
102	0 crw-----	1 root	operator	0,	102 Jun 30 11:20	/dev/usb/2.2.0
104	0 crw-----	1 root	operator	0,	104 Jun 30 11:20	/dev/usb/1.2.1
105	0 crw-----	1 root	operator	0,	105 Jun 30 11:20	/dev/usb/2.2.1
106	0 crw-----	1 root	operator	0,	106 Jun 30 11:20	/dev/usb/1.3.0
108	0 crw-----	1 root	operator	0,	108 Jun 30 11:20	/dev/usb/1.3.1
109	0 crw-----	1 root	operator	0,	109 Jun 30 11:20	/dev/usb/2.3.0
111	0 crw-----	1 root	operator	0,	111 Jun 30 11:20	/dev/usb/2.3.1
112	0 crw-----	1 root	operator	0,	112 Jun 30 11:20	/dev/usb/2.3.2
118	0 crw-----	1 root	operator	0,	118 Jun 30 11:20	/dev/usb/1.4.0
120	0 crw-----	1 root	operator	0,	120 Jun 30 11:20	/dev/usb/1.4.1
123	0 crw-----	1 root	operator	0,	123 Jun 30 11:20	/dev/usb/1.5.0
125	0 crw-----	1 root	operator	0,	125 Jun 30 11:20	/dev/usb/1.5.1
126	0 crw-----	1 root	operator	0,	126 Jun 30 11:20	/dev/usb/1.5.2
81	0 lrwxr-xr-x	1 root	wheel	9 Jun 30 11:20	/dev/ugen0.1 -> usb/0.1.0	
83	0 lrwxr-xr-x	1 root	wheel	9 Jun 30 11:20	/dev/ugen1.1 -> usb/1.1.0	
85	0 lrwxr-xr-x	1 root	wheel	9 Jun 30 11:20	/dev/ugen2.1 -> usb/2.1.0	
89	0 cr-----	1 root	wheel	0,	89 Jun 30 11:20	/dev/devstat
90	0 crw-----	1 root	operator	0,	90 Jun 30 11:20	/dev/pass0
91	0 crw-r-----	1 root	operator	0,	91 Jun 30 11:20	/dev/mfid0
92	0 crw-r-----	1 root	operator	0,	92 Jun 30 11:20	/dev/mfid0p1
93	0 crw-r-----	1 root	operator	0,	93 Jun 30 11:20	/dev/mfid0p2
94	0 crw-r-----	1 root	operator	0,	94 Jun 30 11:20	/dev/mfid0p3
95	0 crw-r-----	1 root	operator	0,	95 Jun 30 11:20	/dev/cd0
133	1 dr-xr-xr-x	2 root	wheel	512 Jun 30 11:20	/dev/gptid	
96	0 crw-r-----	1 root	operator	0,	96 Jun 30 11:20	/dev/gptid/7975125d-1f17-11e5-a422-fcaa14a3c4bf
98	0 crw-r-----	1 root	operator	0,	98 Jun 30 11:20	/dev/gptid/7992aaeb-1f17-11e5-a422-fcaa14a3c4bf
99	0 crw-r-----	1 root	operator	0,	99 Jun 30 11:20	/dev/gptid/79bcce48-1f17-11e5-a422-fcaa14a3c4bf
134	1 dr-xr-xr-x	2 root	wheel	512 Jun 30 11:20	/dev/ufsid	
97	0 crw-r-----	1 root	operator	0,	97 Jun 30 11:20	/dev/ufsid/55927761916095ae
101	0 lrwxr-xr-x	1 root	wheel	9 Jun 30 11:20	/dev/ugen1.2 -> usb/1.2.0	
103	0 lrwxr-xr-x	1 root	wheel	9 Jun 30 11:20	/dev/ugen2.2 -> usb/2.2.0	
107	0 lrwxr-xr-x	1 root	wheel	9 Jun 30 11:20	/dev/ugen1.3 -> usb/1.3.0	
110	0 lrwxr-xr-x	1 root	wheel	9 Jun 30 11:20	/dev/ugen2.3 -> usb/2.3.0	
113	0 crw-----	1 root	operator	0,	113 Jun 30 11:20	/dev/pass1
114	0 crw-r-----	1 root	operator	0,	114 Jun 30 11:20	/dev/da0
115	0 crw-r-----	1 root	operator	0,	115 Jun 30 11:20	/dev/da0a
135	1 dr-xr-xr-x	2 root	wheel	512 Jun 30 11:20	/dev/ufs	
117	0 crw-r-----	1 root	operator	0,	117 Jun 30 11:20	/dev/ufs/FreeBSD_Install
119	0 lrwxr-xr-x	1 root	wheel	9 Jun 30 11:20	/dev/ugen1.4 -> usb/1.4.0	
121	0 crw-----	1 root	wheel	0,	121 Jun 30 11:20	/dev/ukbd0
122	0 lrwxr-xr-x	1 root	wheel	5 Jun 30 11:20	/dev/kbd0 -> ukbd0	
124	0 lrwxr-xr-x	1 root	wheel	9 Jun 30 11:20	/dev/ugen1.5 -> usb/1.5.0	
127	0 crw-----	1 root	wheel	0,	127 Jun 30 11:20	/dev/ukbd1
128	0 lrwxr-xr-x	1 root	wheel	5 Jun 30 11:20	/dev/kbd2 -> ukbd1	
129	0 crw-r-----	1 root	operator	0,	129 Jun 30 11:20	/dev/ums0
116	0 crw-r-----	1 root	operator	0,	116 Jun 30 11:20	/dev/md0
137	0 crw-r-----	1 root	operator	0,	137 Jun 30 11:20	/dev/md1

# 更新履歷

# 更新履歴

- 2015年07月01日 FreeBSD動作検証レポート2015年6月30日版作成



# FreeBSD動作検証レポート

## R120f-2E / 9.3-RELEASE

### 対象ハードウェア

maker:NEC, product:Express5800/R120f-2E  
[N8100-2263Y], serial:5300109, version:FR1.3

### 対象OSバージョン

FreeBSD 9.3-RELEASE #0 r268512: Thu Jul 10  
23:44:39 UTC 2014

2015年6月30日版

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