

# FreeBSD動作検証レポート

## R120f-2E / 9.1-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 9.1-RELEASE #0 r243825: Tue Dec 4  
09:23:10 UTC 2012

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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 9.1-RELEASE #0 r243825: Tue Dec 4 09:23:10 UTC 2012

## 基礎性能データ

メモリアクセス速度	14.195 GBi/sec
IPv4スタック処理速度	231.006 MBI/sec
IPv6スタック処理速度	204.886 MBI/sec

## 動作検証要約

### 1wayアーキテクチャ

FreeBSD 9.1-RELEASE #0 r243825: Tue Dec 4 09:23:10 UTC 2012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 9.1-RELEASEでは、「maker:NEC, product:Express5800/R120f-2E [N8100-2263Y], serial:5300109, version:FR1.3」のLSI MegaRAID SAS 9362-8iを認識できないため、適切に扱うことができない。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9.1-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 9.1-RELEASE #0 r243825: Tue Dec 4 09:23:10 UTC 2012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環境の起動の動作を確認。FreeBSD 9.1-RELEASE

では、LSI MegaRAID SAS 9362-8iを認識できないため、適切に扱うことができない。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9.1-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。

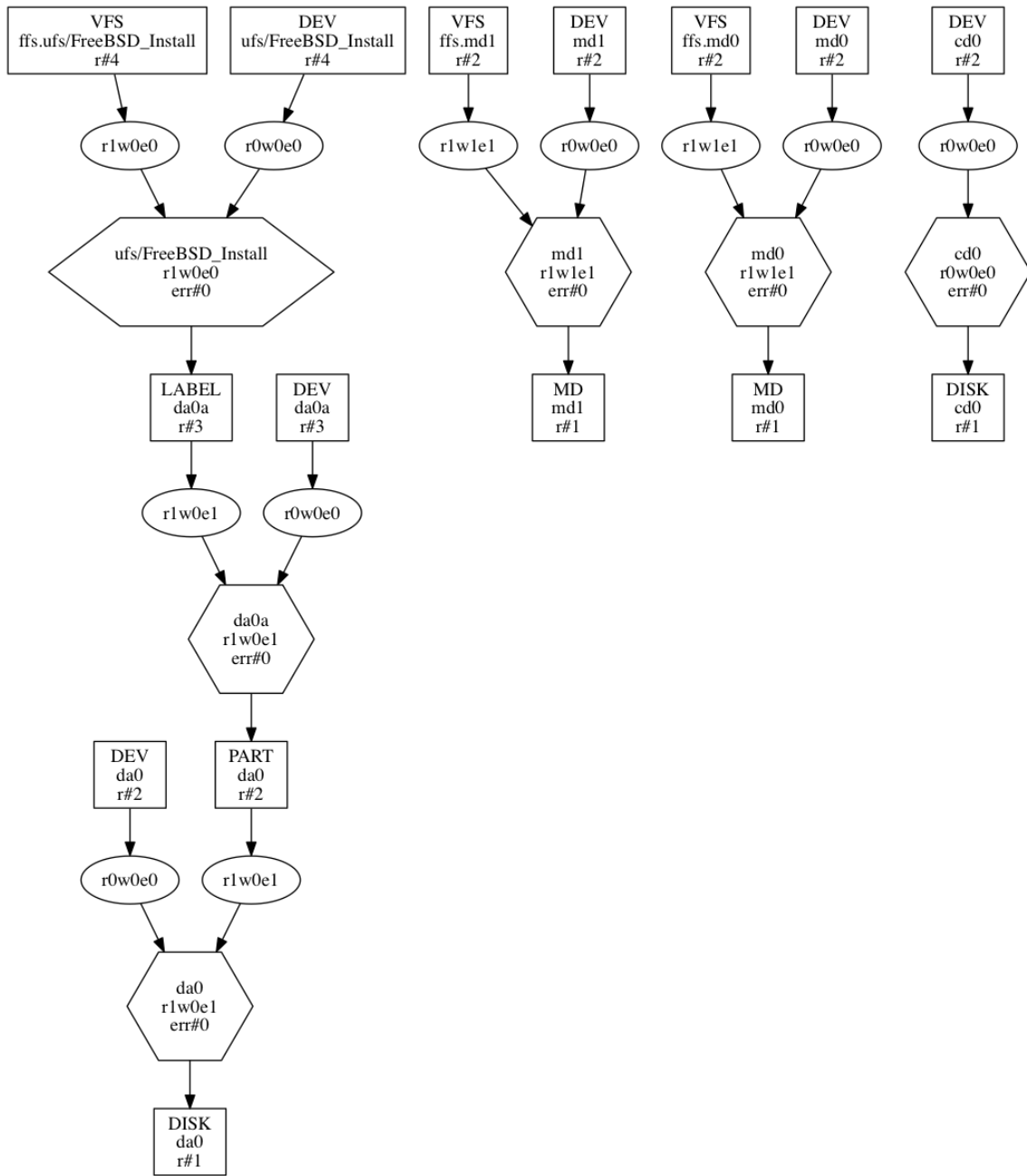
## 1way/2way共通

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 9.1-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。

# 検証機GEOMツリー



# 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	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 (100baseTX <full- duplex,flowcontrol,txpause>), 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 (none), status=no carrier

## カーネルデバイス認識データ

acpi	audit	bpf	bpf0(bpf)
cam	cam/ctl	cd0	console
consolectl	ctty	cuau0	cuau0.init
cuau0.lock	cuau1	cuau1.init	cuau1.lock
da0	da0a	dcons	devctl
devstat	dgdb	fd	fd/0
fd/1	fd/2	fido	geom.ctl
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	mem	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	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(none129), 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(none130), class=base peripheral, vendor='Intel Corporation', device=
152	pci0:128:4:1(none131), class=base peripheral, vendor='Intel Corporation', device=
153	pci0:128:4:2(none132), class=base peripheral, vendor='Intel Corporation', device=
154	pci0:128:4:3(none133), class=base peripheral, vendor='Intel Corporation', device=
155	pci0:128:4:4(none134), class=base peripheral, vendor='Intel Corporation', device=
156	pci0:128:4:5(none135), class=base peripheral, vendor='Intel Corporation', device=
157	pci0:128:4:6(none136), class=base peripheral, vendor='Intel Corporation', device=
158	pci0:128:4:7(none137), class=base peripheral, vendor='Intel Corporation', device=
159	pci0:128:5:0(none138), class=base peripheral, vendor='Intel Corporation', device=
160	pci0:128:5:1(none139), class=base peripheral, vendor='Intel Corporation', device=
161	pci0:128:5:2(none140), 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.rsdp="984368"
hint.acpi.0.rsdtp="0x7b0d4028"
hint.acpi.0.xsdt="0x000000007b0d4088"
hint.acpi.0.xsdt_length="36"
hint.atkbd.0.at="atkbd"
hint.atkbd.0.irq="1"
hint.atkbdc.0.at="isa"
hint.atkbdc.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_options=""
kernelname="/boot/kernel/kernel"
loaddev="disk0s4a:"
loader_conf_files="/boot/device.hints /boot/loader.conf /boot/loader.conf.local"
mac_iff="NO"
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="0EK52000107"
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"
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: 9.1-RELEASE
kern.osrevision: 199506
kern.version: FreeBSD 9.1-RELEASE #0 r243825: Tue Dec 4 09:23:10 UTC 2012
root@farrell.cse.buffalo.edu:/usr/obj/usr/src/sys/GENERIC
kern.maxvnodes: 1095074
kern.maxproc: 6164
kern.maxfiles: 12328
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 = 1435678135, usec = 552206 } Tue Jun 30 15:28:55 2015
kern.domainname:
kern.osreldate: 901000
kern.bootfile: /boot/kernel/kernel
kern.maxfilesperproc: 11095
kern.maxprocperuid: 5547
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.nmbjumbo16: 3200
kern.ipc.nmbjumbo9: 6400
kern.ipc.nmbjumbop: 12800
kern.ipc.nmbclusters: 25600
kern.ipc.piperesizeallowed: 1
kern.ipc.piperesizefail: 0
kern.ipc.pipeallocfail: 0
kern.ipc.piperefragretry: 0
kern.ipc.pipekva: 20480
kern.ipc.maxpipekva: 1072058368
kern.ipc.msgseg: 2048
kern.ipc.msgssz: 8
kern.ipc.msgtql: 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.semnmu: 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: 25600
kern.ipc.numopensockets: 10
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.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.retry_count: 4
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.ada_send_ordered: 1
kern.cam.ada.default_timeout: 30
kern.cam.ada.retry_count: 4
kern.cam.ada.legacy_aliases: 1
kern.cam.ctl.disable: 0
kern.cam.ctl.block.num_threads: 14
kern.cam.ctl.dma_enabled: 1
kern.cam.ctl.inquiry_pq_no_lun: 1
kern.cam.ctl2cam.max_sense: 252
kern.cam.da.da_send_ordered: 1
kern.cam.da.default_timeout: 60
kern.cam.da.retry_count: 4
kern.cam.da.0.delete_method: NONE
kern.cam.da.0.minimum_cmd_size: 10
kern.cam.da.0.error_inject: 0
kern.dcons.poll_hz: 25
kern.tty_pty_warningcnt: 1
kern.disks: da0 cd0
kern.geom.disk.cd0.led:
kern.geom.disk.da0.led:
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.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: 452 0 420 36 40240 484 0 425 6 39717 477 0 443 8 39704 458 0 449 6 39719 455 0 441 11 39725 482 0 589 10 39551 100 0 2065 4
38463 99 0 420 2 40111 89 0 931 4 39608 87 0 420 4 40121 82 0 659 1 39890 115 0 663 3 39851
kern.cp_time: 3380 0 7925 95 476700
kern.constty_wakeups_per_second: 5
kern.consmgbuf_size: 8192
kern.consmute: 0
kern.console: ttyv0,dcons,/dcons,ttyv0,uart,ucom,
kern.openfiles: 53
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: 50001017
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.ps\_arg\_cache\_limit: 256  
kern.stackprot: 7  
kern.randompid: 0  
kern.lastpid: 22561  
kern.ktrace.request\_pool: 100  
kern.ktrace.genio\_size: 4096  
kern.module\_path: /boot/kernel;/boot/modules  
kern.malloc\_count: 326  
kern.fallback\_elf\_brand: -1  
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.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.uffs\_snapshot: 1  
kern.features.softupdates: 1  
kern.features.ufs\_acl: 1  
kern.features.ufs\_gjournal: 1  
kern.conftxt: options CONFIG\_AUTOGENERATED  
kern.maxusers: 384  
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.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

















































```

<5>bge0: link state changed to UP
<5>bge0: link state changed to DOWN
<5>bge0: link state changed to UP
<5>bge0: link state changed to DOWN
<5>bge0: link state changed to UP
<5>bge0: link state changed to DOWN
<5>bge0: link state changed to UP
<5>bge0: link state changed to DOWN
<5>bge0: link state changed to UP
<5>bge0: link state changed to DOWN
<5>bge0: link state changed to UP
<5>bge0: link state changed to DOWN
<5>bge0: link state changed to UP
<5>bge0: link state changed to DOWN
<5>bge0: link state changed to UP
<5>bge0: link state changed to DOWN
<5>bge0: link state changed to UP
<5>bge0: link state changed to DOWN
<5>bge0: link state changed to UP
<5>bge0: link state changed to DOWN
<5>bge0: link state changed to UP
kern.always_console_output: 0
kern.log_console_add_linefeed: 0
kern.log_console_output: 1
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: 15691
kern.tty_nin: 363
kern.minvnodes: 273768
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.slowverthresh: 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: 18)
Virtual Memory: (Total: 1074423008K Active: 306704K)
Real Memory: (Total: 388336K Active: 16060K)
Shared Virtual Memory: (Total: 11596K Active: 2640K)
Shared Real Memory: (Total: 2788K Active: 2380K)
Free Memory: 64393736K
vm.loadavg: { 0.04 0.29 0.18 }
vm.v_free_min: 102412
vm.v_free_target: 430847
vm.v_free_reserved: 21199
vm.v_inactive_target: 646270
vm.v_cache_min: 430847
vm.v_cache_max: 861694
vm.v_pageout_free_min: 34
vm.pageout_algorithm: 0
vm.swap_enabled: 1
vm.md_malloc_wait: 0
vm.kmem_map_free: 66458107904
vm.kmem_map_size: 72888320
vm.kmem_size_scale: 1
vm.kmem_size_max: 329853485875
vm.kmem_size_min: 0
vm.kmem_size: 66530996224
vm.nswapdev: 0
vm.dmmmax: 32
vm.swap_async_max: 4
vm.overcommit: 0
vm.swap_reserved: 225484800
vm.swap_total: 0
vm.zone_count: 88
vm.swap_idle_threshold2: 10
vm.swap_idle_threshold1: 2
vm.kstacks: 307
vm.kstack_cache_size: 128
vm.exec_map_entries: 16

```

```

vm.stats.misc.zero_page_count: 0
vm.stats.misc.cnt_prezero: 0
vm.stats.vm.v_kthreadpages: 0
vm.stats.vm.v_rforkpages: 0
vm.stats.vm.v_vforkpages: 7538
vm.stats.vm.v_forkpages: 11219141
vm.stats.vm.v_kthreads: 19
vm.stats.vm.v_rforks: 0
vm.stats.vm.v_vforks: 16
vm.stats.vm.v_forks: 22526
vm.stats.vm.v_interrupt_free_min: 2
vm.stats.vm.v_pageout_free_min: 34
vm.stats.vm.v_cache_max: 861694
vm.stats.vm.v_cache_min: 430847
vm.stats.vm.v_cache_count: 0
vm.stats.vm.v_inactive_count: 3155
vm.stats.vm.v_inactive_target: 646270
vm.stats.vm.v_active_count: 2963
vm.stats.vm.v_wire_count: 138284
vm.stats.vm.v_free_count: 16098433
vm.stats.vm.v_free_min: 102412
vm.stats.vm.v_free_target: 430847
vm.stats.vm.v_free_reserved: 21199
vm.stats.vm.v_page_count: 16242919
vm.stats.vm.v_page_size: 4096
vm.stats.vm.v_tfree: 3096270
vm.stats.vm.v_pfree: 1834827
vm.stats.vm.v_dfree: 0
vm.stats.vm.v_tcached: 0
vm.stats.vm.v_pdpages: 0
vm.stats.vm.v_pdwakeups: 0
vm.stats.vm.v_reactivated: 0
vm.stats.vm.v_intrans: 0
vm.stats.vm.v_vnodepgsout: 0
vm.stats.vm.v_vnodepgsin: 2279
vm.stats.vm.v_vnodeout: 0
vm.stats.vm.v_vnodein: 341
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: 1496113
vm.stats.vm.v_cow_optim: 8702
vm.stats.vm.v_cow_faults: 753280
vm.stats.vm.v_vm_faults: 2631174
vm.stats.sys.v_soft: 57150
vm.stats.sys.v_intr: 20705
vm.stats.sys.v_syscall: 2898160
vm.stats.sys.v_trap: 2606593
vm.stats.sys.v_swtrch: 389516
vm.stats.object.bypasses: 4540
vm.stats.object.collapses: 54723
vm.v_free_severe: 61805
vm.old_msync: 0
vm.tryrelock_restart: 0
vm.boot_pages: 64
vm.max_wired: 5370605
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: 430847
vm.max_launder: 32
vm.phys_segs:
SEGMENT 0:
start: 0x10000
end: 0x96000
domain: 0
free list: 0xffffffff8128a3a8
SEGMENT 1:
start: 0x100000
end: 0x200000
domain: 0
free list: 0xffffffff8128a3a8
SEGMENT 2:
start: 0x1550000
end: 0x7ab04000
domain: 0
free list: 0xffffffff8128a000
SEGMENT 3:
start: 0x7bd5d000
end: 0x7bd5e000
domain: 0
free list: 0xffffffff8128a000
SEGMENT 4:
start: 0x7bde4000
end: 0x7c000000
domain: 0

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free list: 0xffffffff8128a000
SEGMENT 5:
start:    0x100000000
end:      0x1003f90000
domain:   0
free list: 0xffffffff8128a000
vm.phys_free:
FREE LIST 0:
FREE LIST 1:
vm.reserv.reclaimed: 0
vm.reserv.partpopq:
-1: 75752K, 43
vm.reserv.freed: 79924
vm.reserv.broken: 4302
vm.idlezero_enable: 0
vm.kvm_free: 474625339392
vm.kvm_size: 549755809792
vm.pmap.pv_entry_count: 9847
vm.pmap.pdpe.demotions: 3
vm.pmap.pde.promotions: 155
vm.pmap.pde.p_failures: 16556
vm.pmap.pde.mappings: 0
vm.pmap.pde.demotions: 7
vm.pmap.pg_ps_enabled: 1
vm.pmap.pat_works: 1
vfs.ufs.dirhash_reclaimage: 5
vfs.ufs.dirhash_lowmemcount: 0
vfs.ufs.dirhash_docheck: 0
vfs.ufs.dirhash_mem: 26601
vfs.ufs.dirhash_maxmem: 107368448
vfs.ufs.dirhash_minsize: 2560
vfs.ufs.rename_restarts: 0
vfs.nfs.downdelayinitial: 12
vfs.nfs.downdelayinterval: 30
vfs.nfs.keytab_encctype: 1
vfs.nfs.skip_wcc_data_onerr: 1
vfs.nfs.nfs3_jukebox_delay: 10
vfs.nfs.reconnects: 0
vfs.nfs.bufpackets: 4
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: 125
vfs.nfsd.disable_checkutf8: 0
vfs.nfsd.server_max_nfsvers: 4
vfs.nfsd.server_min_nfsvers: 2
vfs.nfsd.nfs_privport: 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.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: 13107200
vfs.nfsd.request_space_low: 8738133
vfs.nfsd.request_space_throttled: 0
vfs.nfsd.request_space_throttle_count: 0
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.notbufdflashes: 0
vfs.flushbufqtarg: 100
vfs.getnewbufrestarts: 0
vfs.getnewbufcalls: 501
vfs.hifreebuffers: 46614
vfs.lofreebuffers: 23307
vfs.numfreebuffers: 419430
vfs.dirtybufthresh: 94391

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vfs.hidirtybuffers: 104879  
vfs.lodirtybuffers: 52439  
vfs.numdirtybuffers: 7  
vfs.recursiveflushes: 41  
vfs.altbufferflushes: 0  
vfs.bdwriteskip: 0  
vfs.dirtybufferflushes: 0  
vfs.hirunningspace: 16777216  
vfs.lorunningspace: 11206656  
vfs.bufdefragcnt: 0  
vfs.buffreekvacnt: 8  
vfs.buffreusecnt: 486  
vfs.hibufspace: 6871400448  
vfs.lobufspace: 6871334912  
vfs.maxmallocbufspace: 343570022  
vfs.bufmalloospace: 0  
vfs.maxbufspace: 6872055808  
vfs.bufspace: 9748480  
vfs.runningbufspace: 0  
vfs.vmiorenable: 1  
vfs.cache.numfullpathfound: 16  
vfs.cache.numfullpathfail4: 0  
vfs.cache.numfullpathfail2: 0  
vfs.cache.numfullpathfail1: 0  
vfs.cache.numfullpathcalls: 16  
vfs.cache.numupgrades: 2  
vfs.cache.numneghits: 48451  
vfs.cache.numnegzaps: 32  
vfs.cache.numposhits: 556841  
vfs.cache.numposzaps: 26  
vfs.cache.nummisszap: 4  
vfs.cache.nummiss: 1173  
vfs.cache.numchecks: 605352  
vfs.cache.dotdothits: 11  
vfs.cache.dothits: 17344  
vfs.cache.numcalls: 623883  
vfs.cache.numcache: 450  
vfs.cache.numneg: 28  
vfs.ncsizefactor: 2  
vfs.ncnegfactor: 16  
vfs.read\_max: 64  
vfs.write\_behind: 1  
vfs.typenumhash: 1  
vfs.lookup\_shared: 1  
vfs.usermount: 0  
vfs.worklist\_len: 4  
vfs.timestamp\_precision: 0  
vfs.reassignbufcalls: 1098  
vfs.vlru\_allow\_cache\_src: 0  
vfs.freevnodes: 23  
vfs.wantfreevnodes: 273768  
vfs.numvnodes: 471  
vfs.ffs.doreallocblks: 1  
vfs.ffs.doasyncfree: 1  
vfs.ffs.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.segpacket.recvspace: 8192  
net.local.segpacket.maxsegpacket: 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



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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.maxfraggpackets: 800
net.inet.ip.maxfragsperpacket: 16
net.inet.ip.fragpackets: 0
net.inet.ip.check_interface: 0
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.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.drop_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.keepinit: 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.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.local_slowstart_flightsize: 4
net.inet.tcp.slowstart_flightsize: 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: 1680
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: 1
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: 15360
net.inet.tcp.syncache.bucketlimit: 30
net.inet.tcp.syncookies_only: 0
```

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net.inet.tcp.syncookies: 1
net.inet.tcp.timer_race: 0
net.inet.tcp.per_cpu_timers: 0
net.inet.tcp.keepcnt: 8
net.inet.tcp.finwait2_timeout: 60000
net.inet.tcp.fast_finwait2_recycle: 0
net.inet.tcp.always_keepalive: 1
net.inet.tcp.rxmit_slop: 200
net.inet.tcp.rxmit_min: 30
net.inet.tcp.msl: 30000
net.inet.tcp.nolocaltimewait: 0
net.inet.tcp.maxtcpw: 5120
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.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.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: 3200
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.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
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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
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: 6400
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.rtxpire: 3600
net.inet6.ip6.rtmminexpire: 10
net.inet6.ip6.rtmmaxcache: 128
net.inet6.ip6.use_tempaddr: 0
net.inet6.ip6.tempptime: 86400
net.inet6.ip6.tempvtime: 604800
net.inet6.ip6.auto_linklocal: 1
net.inet6.ip6.prefer_tempaddr: 0
net.inet6.ip6.use_defaultzone: 0
net.inet6.ip6.maxfrags: 6400
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.nd6_onlink_ns_rfc4861: 0
net.inet6.mld.use_allow: 1
net.inet6.mld.vlenable: 1
net.inet6.mld.gsrdelay: 10
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.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.polled: 0  
debug.acpi.ec.burst: 0  
debug.acpi.batt.batt\_sleep\_ms: 0  
debug.acpi.resume\_beeper: 0  
debug.firewire\_debug: 0  
debug.fwmem\_debug: 0  
debug.if\_fwe\_debug: 0  
debug.if\_fwip\_debug: 0  
debug.ipw: 0  
debug.iwi: 0  
debug.mddebug: 0  
debug.wpi: 0  
debug.elf64\_legacy\_core\_dump: 0  
debug.bootverbose: 0  
debug.boothowto: 0  
debug.cpubfreq.verbose: 0  
debug.cpubfreq.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: 608  
debug.sizeof.bio: 232  
debug.sizeof.proc: 1184  
debug.sizeof.vnode: 480  
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: 804  
debug.to\_avg\_lockcalls: 15  
debug.to\_avg\_gcalls: 500  
debug.to\_avg\_depth: 1749  
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.io\_size\_max\_clamp: 1  
debug.disablefullpath: 0  
debug.disablecwd: 0  
debug.vfscache: 1  
debug.numcachehv: 39  
debug.numcache: 450  
debug.numneg: 28  
debug.nchash: 2097151  
debug.vnlru\_nowhere: 0  
debug.rush\_requests: 0  
debug.if\_tun\_debug: 0  
debug.nlm\_debug: 0  
debug.fsckcmds: 0  
debug.collectsnapstats: 0  
debug.snapdebug: 0  
debug.dopersistence: 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.jddref\_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: 4380296  
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.jddref: 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.jddref: 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.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.jddref: 0  
debug.softdep.total.freedep: 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

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debug.softdep.total.freefile: 0
debug.softdep.total.freeblks: 0
debug.softdep.total.freefrag: 0
debug.softdep.total.allocindir: 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_verbose: 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: 68611829760
hw.usermem: 68045398016
hw.pagesize: 4096
hw.floatingpoint: 1
hw.machine_arch: amd64
hw.realmem: 70866960384
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.bxe.mrrs: 4294967295
hw.bxe.tx_ticks: 50
hw.bxe.rx_ticks: 25
hw.bxe.multi_mode: 1
hw.bxe.queue_count: 0
hw.bxe.int_mode: 2
hw.bxe.tso_enable: 1
hw.bxe.dcc_enable: 0
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.max\_interrupt\_rate: 8000  
hw.igb.enable\_msix: 1  
hw.igb.enable\_aim: 1  
hw.igb.txd: 1024  
hw.igb.rxd: 1024  
hw.firewire.hold\_count: 0  
hw.firewire.try\_bmr: 1  
hw.firewire.fwmem.speed: 2  
hw.firewire.fwmem.eui64\_lo: 0  
hw.firewire.fwmem.eui64\_hi: 0  
hw.firewire.phydma\_enable: 1  
hw.firewire.nocyclemaster: 0  
hw.firewire.fwe.rx\_queue\_len: 128  
hw.firewire.fwe.tx\_speed: 2  
hw.firewire.fwe.stream\_ch: 1  
hw.firewire.fwip.rx\_queue\_len: 128  
hw.malo.txbuf: 256  
hw.malo.rxquota: 256  
hw.malo.rxbuf: 256  
hw.malo.txcoalesce: 8  
hw.malo.pci.msi\_disable: 0  
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.rxdma\_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.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.enable\_io\_modes: 1  
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.instrhoff: 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.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.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.debug: 0  
hw.usb.urio.debug: 0  
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.pr\_recovery\_delay: 250  
hw.usb.pr\_poll\_delay: 50  
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: 16750935  
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.kbd.keymap\_restrict\_change: 0  
hw.bsdma.total\_bpages: 9087  
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: 0xffffffffffffff  
hw.bsdma.zone0.alignment: 4096  
hw.bsdma.zone1.total\_bpages: 891  
hw.bsdma.zone1.free\_bpages: 889  
hw.bsdma.zone1.reserved\_bpages: 0  
hw.bsdma.zone1.active\_bpages: 2  
hw.bsdma.zone1.total\_bounced: 301  
hw.bsdma.zone1.total\_deferred: 0



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hw.busdma.zone1.lowaddr: 0xffffffff
hw.busdma.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.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: 1600032188
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

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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_statsfs: 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_statsfs: 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.jailed: 0
security.bsd.map_at_zero: 0
security.bsd.suser_enabled: 1
security.bsd.unprivileged_proc_debug: 1
security.bsd.conservative_signals: 1
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.SI01
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

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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 C2/41
dev.cpu.0.cx_lowest: C1
dev.cpu.0.cx_usage: 100.00% 0.00% last 4064us
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 C2/41
dev.cpu.1.cx_lowest: C1
dev.cpu.1.cx_usage: 100.00% 0.00% last 272us
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 C2/41
dev.cpu.2.cx_lowest: C1
dev.cpu.2.cx_usage: 100.00% 0.00% last 7426us
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 C2/41
dev.cpu.3.cx_lowest: C1
dev.cpu.3.cx_usage: 100.00% 0.00% last 7690us
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 C2/41
dev.cpu.4.cx_lowest: C1
dev.cpu.4.cx_usage: 100.00% 0.00% last 7304us
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 C2/41
dev.cpu.5.cx_lowest: C1
dev.cpu.5.cx_usage: 100.00% 0.00% last 7841us
dev.cpu.6.%desc: ACPI CPU
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 C2/41
dev.cpu.6.cx_lowest: C1
dev.cpu.6.cx_usage: 100.00% 0.00% last 5119us
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 C2/41
dev.cpu.7.cx_lowest: C1
dev.cpu.7.cx_usage: 100.00% 0.00% last 7853us
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 C2/41
dev.cpu.8.cx_lowest: C1
dev.cpu.8.cx_usage: 100.00% 0.00% last 7212us
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 C2/41
dev.cpu.9.cx_lowest: C1
dev.cpu.9.cx_usage: 100.00% 0.00% last 4634us
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 C2/41
dev.cpu.10.cx_lowest: C1
dev.cpu.10.cx_usage: 100.00% 0.00% last 8083us
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 C2/41

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dev.cpu.11.cx_lowest: C1
dev.cpu.11.cx_usage: 100.00% 0.00% last 7625us
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
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_b.0.%desc: ACPI Host-PCI bridge
dev.pci_b.0.%driver: pci_b
dev.pci_b.0.%location: handle=\_SB_.UNC1
dev.pci_b.0.%pnpinfo: _HID=PNP0A03 _UID=127
dev.pci_b.0.%parent: acpi0
dev.pci_b.1.%desc: ACPI Host-PCI bridge
dev.pci_b.1.%driver: pci_b
dev.pci_b.1.%location: handle=\_SB_.UNC0
dev.pci_b.1.%pnpinfo: _HID=PNP0A03 _UID=63
dev.pci_b.1.%parent: acpi0
dev.pci_b.2.%desc: ACPI Host-PCI bridge
dev.pci_b.2.%driver: pci_b
dev.pci_b.2.%location: handle=\_SB_.PCI0
dev.pci_b.2.%pnpinfo: _HID=PNP0A08 _UID=0
dev.pci_b.2.%parent: acpi0
dev.pci_b.3.%desc: ACPI PCI-PCI bridge
dev.pci_b.3.%driver: pci_b
dev.pci_b.3.%location: slot=1 function=0 handle=\_SB_.PCI0.BRIA
dev.pci_b.3.%pnpinfo: vendor=0x8086 device=0x2f02 subvendor=0x1bcf subdevice=0x8059 class=0x060400
dev.pci_b.3.%parent: pci0
dev.pci_b.3.domain: 0
dev.pci_b.3.pribus: 0
dev.pci_b.3.secbus: 1
dev.pci_b.3.subbus: 1
dev.pci_b.3.wake: 0
dev.pci_b.4.%desc: ACPI PCI-PCI bridge
dev.pci_b.4.%driver: pci_b
dev.pci_b.4.%location: slot=2 function=0 handle=\_SB_.PCI0.BR2A
dev.pci_b.4.%pnpinfo: vendor=0x8086 device=0x2f04 subvendor=0x1bcf subdevice=0x8059 class=0x060400

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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: pcib
dev.pci.5.%location: slot=3 function=0 handle=_SB_.PCI0.BR3A
dev.pci.5.%npninfo: 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: pcib
dev.pci.6.%location: slot=28 function=0 handle=_SB_.PCI0.RP01
dev.pci.6.%npninfo: 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: pcib
dev.pci.7.%location: slot=28 function=2 handle=_SB_.PCI0.RP03
dev.pci.7.%npninfo: 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: pcib
dev.pci.8.%location: slot=28 function=3 handle=_SB_.PCI0.RP04
dev.pci.8.%npninfo: 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
dev.pci.9.%desc: ACPI Host-PCI bridge
dev.pci.9.%driver: pcib
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: pcib
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: pcib
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: pcib
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: pcib
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

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dev.pci.255.%desc: ACPI PCI bus
dev.pci.255.%driver: pci
dev.pci.255.%parent: pcib0
dev.pci.127.%desc: ACPI PCI bus
dev.pci.127.%driver: pci
dev.pci.127.%parent: pcib1
dev.pci.0.%desc: ACPI PCI bus
dev.pci.0.%driver: pci
dev.pci.0.%parent: pcib2
dev.pci.1.%desc: ACPI PCI bus
dev.pci.1.%driver: pci
dev.pci.1.%parent: pcib3
dev.pci.1.%wake: 0
dev.pci.32.%desc: ACPI PCI bus
dev.pci.32.%driver: pci
dev.pci.32.%parent: pcib4
dev.pci.32.%wake: 0
dev.pci.64.%desc: ACPI PCI bus
dev.pci.64.%driver: pci
dev.pci.64.%parent: pcib5
dev.pci.64.%wake: 0
dev.pci.65.%desc: ACPI PCI bus
dev.pci.65.%driver: pci
dev.pci.65.%parent: pcib6
dev.pci.65.%wake: 0
dev.pci.97.%desc: ACPI PCI bus
dev.pci.97.%driver: pci
dev.pci.97.%parent: pcib7
dev.pci.97.%wake: 0
dev.pci.98.%desc: ACPI PCI bus
dev.pci.98.%driver: pci
dev.pci.98.%parent: pcib8
dev.pci.98.%wake: 0
dev.pci.128.%desc: ACPI PCI bus
dev.pci.128.%driver: pci
dev.pci.128.%parent: pcib9
dev.pci.129.%desc: ACPI PCI bus
dev.pci.129.%driver: pci
dev.pci.129.%parent: pcib10
dev.pci.129.%wake: 0
dev.pci.130.%desc: ACPI PCI bus
dev.pci.130.%driver: pci
dev.pci.130.%parent: pcib11
dev.pci.130.%wake: 0
dev.pci.131.%desc: ACPI PCI bus
dev.pci.131.%driver: pci
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.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=0x0c0330
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=0x0c0320
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=0x0c0320
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

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dev.bge.0.%npninfo: 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: 2
dev.bge.0.stats.RecvThresholdHit: 0
dev.bge.0.stats.rx.ifHCInOctets: 261433
dev.bge.0.stats.rx.Fragments: 0
dev.bge.0.stats.rx.UnicastPkts: 170
dev.bge.0.stats.rx.MulticastPkts: 763
dev.bge.0.stats.rx.BroadcastPkts: 1368
dev.bge.0.stats.rx.FCSerrors: 1
dev.bge.0.stats.rx.AlignmentErrors: 1
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: 18764
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: 136
dev.bge.0.stats.tx.MulticastPkts: 0
dev.bge.0.stats.tx.BroadcastPkts: 9
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.%npninfo: 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.ukphy.0.%desc: Generic IEEE 802.3u media interface
dev.ukphy.0.%driver: ukphy
dev.ukphy.0.%location: phyno=1
dev.ukphy.0.%npninfo: oui=0xc00000 model=0x0 rev=0x0

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dev.ukphy.0.%parent: miibus0
dev.brgphy.0.%desc: BCM5720C 1000BASE-T media interface
dev.brgphy.0.%driver: brgphy
dev.brgphy.0.%location: phyno=2
dev.brgphy.0.%pnpinfo: oui=0x1be9 model=0x36 rev=0x0
dev.brgphy.0.%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.vgapm.0.%desc: VGA suspend/resume
dev.vgapm.0.%driver: vgapm
dev.vgapm.0.%parent: vgapci0
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
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

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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
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

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dev.p4tcc.0.%parent: cpu0
dev.p4tcc.0.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.1.%desc: CPU Frequency Thermal Control
dev.p4tcc.1.%driver: p4tcc
dev.p4tcc.1.%parent: cpu1
dev.p4tcc.1.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.2.%desc: CPU Frequency Thermal Control
dev.p4tcc.2.%driver: p4tcc
dev.p4tcc.2.%parent: cpu2
dev.p4tcc.2.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.3.%desc: CPU Frequency Thermal Control
dev.p4tcc.3.%driver: p4tcc
dev.p4tcc.3.%parent: cpu3
dev.p4tcc.3.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.4.%desc: CPU Frequency Thermal Control
dev.p4tcc.4.%driver: p4tcc
dev.p4tcc.4.%parent: cpu4
dev.p4tcc.4.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.5.%desc: CPU Frequency Thermal Control
dev.p4tcc.5.%driver: p4tcc
dev.p4tcc.5.%parent: cpu5
dev.p4tcc.5.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.6.%desc: CPU Frequency Thermal Control
dev.p4tcc.6.%driver: p4tcc
dev.p4tcc.6.%parent: cpu6
dev.p4tcc.6.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.7.%desc: CPU Frequency Thermal Control
dev.p4tcc.7.%driver: p4tcc
dev.p4tcc.7.%parent: cpu7
dev.p4tcc.7.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.8.%desc: CPU Frequency Thermal Control
dev.p4tcc.8.%driver: p4tcc
dev.p4tcc.8.%parent: cpu8
dev.p4tcc.8.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.9.%desc: CPU Frequency Thermal Control
dev.p4tcc.9.%driver: p4tcc
dev.p4tcc.9.%parent: cpu9
dev.p4tcc.9.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.10.%desc: CPU Frequency Thermal Control
dev.p4tcc.10.%driver: p4tcc
dev.p4tcc.10.%parent: cpu10
dev.p4tcc.10.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.11.%desc: CPU Frequency Thermal Control
dev.p4tcc.11.%driver: p4tcc
dev.p4tcc.11.%parent: cpu11
dev.p4tcc.11.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.uhub.0.%desc: 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.%ppninfo: 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.%ppninfo: 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.%ppninfo: 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.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.%ppninfo: vendor=0x13fe product=0x4100 devclass=0x00 devsubclass=0x00 sernum="12101504061E6002A8B85171404" 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.%ppninfo: 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.%ppninfo: vendor=0x046b product=0xff10 devclass=0x00 devsubclass=0x00 sernum="" release=0x0100 mode=host intclass=0x03
intsubclass=0x01 intprotocol=0x01
dev.ukbd.1.%parent: uhub3

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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) 1992-2012 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 9.1-RELEASE #0 r243825: Tue Dec  4 09:23:10 UTC 2012
    root@farrell.cse.buffalo.edu:/usr/obj/usr/src/sys/GENERIC amd64
CPU: Intel(R) Xeon(R) CPU E5-2603 v3 @ 1.60GHz (1600.03-MHz K8-class CPU)
    Origin = "GenuineIntel" Id = 0x306f2 Family = 6 Model = 3f 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>
    TSC: P-state invariant, performance statistics
real memory = 68719476736 (65536 MB)
avail memory = 66124132352 (63060 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
pci255: <base peripheral> at device 8.0 (no driver attached)
pci255: <dasp> at device 8.2 (no driver attached)
pci255: <base peripheral> at device 8.3 (no driver attached)
pci255: <base peripheral> at device 11.0 (no driver attached)
pci255: <dasp> at device 11.1 (no driver attached)
pci255: <dasp> at device 11.2 (no driver attached)
pci255: <base peripheral> at device 12.0 (no driver attached)
pci255: <base peripheral> at device 12.1 (no driver attached)
pci255: <base peripheral> at device 12.2 (no driver attached)
pci255: <base peripheral> at device 12.3 (no driver attached)
pci255: <base peripheral> at device 12.4 (no driver attached)
pci255: <base peripheral> at device 12.5 (no driver attached)
pci255: <base peripheral> at device 15.0 (no driver attached)
pci255: <base peripheral> at device 15.1 (no driver attached)
```



```

pci127: <base peripheral> at device 23.4 (no driver attached)
pci127: <base peripheral> at device 23.5 (no driver attached)
pci127: <base peripheral> at device 23.6 (no driver attached)
pci127: <base peripheral> at device 23.7 (no driver attached)
pci127: <base peripheral> at device 30.0 (no driver attached)
pci127: <base peripheral> at device 30.1 (no driver attached)
pci127: <base peripheral> at device 30.2 (no driver attached)
pci127: <base peripheral> at device 30.3 (no driver attached)
pci127: <base peripheral> at device 30.4 (no driver attached)
pci127: <base peripheral> at device 31.0 (no driver attached)
pci127: <base peripheral> at device 31.2 (no driver attached)
pcib2: <ACPI Host-PCI bridge> port 0xcfb8-0xcff 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
pci1: <mass storage, RAID> at device 0.0 (no driver attached)
pcib4: <ACPI PCI-PCI bridge> irq 33 at device 2.0 on pci0
pci32: <ACPI PCI bus> on pcib4
pcib5: <ACPI PCI-PCI bridge> irq 41 at device 3.0 on pci0
pci64: <ACPI PCI bus> on pcib5
pci0: <base peripheral> at device 4.0 (no driver attached)
pci0: <base peripheral> at device 4.1 (no driver attached)
pci0: <base peripheral> at device 4.2 (no driver attached)
pci0: <base peripheral> at device 4.3 (no driver attached)
pci0: <base peripheral> at device 4.4 (no driver attached)
pci0: <base peripheral> at device 4.5 (no driver attached)
pci0: <base peripheral> at device 4.6 (no driver attached)
pci0: <base peripheral> at device 4.7 (no driver attached)
pci0: <base peripheral> at device 5.0 (no driver attached)
pci0: <base peripheral> at device 5.1 (no driver attached)
pci0: <base peripheral> at device 5.2 (no driver attached)
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: CHIP ID 0x05720000; ASIC REV 0x5720; CHIP REV 0x57200; PCI-E
bge0: Try again
miibus0: <MII bus> on bge0
ukphy0: <Generic IEEE 802.3u media interface> PHY 1 on miibus0
ukphy0: none, 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: CHIP ID 0x05720000; ASIC REV 0x5720; CHIP REV 0x57200; PCI-E
miibus1: <MII bus> on bge1
brgphy0: <BCM5720C 1000BASE-T media interface> PHY 2 on miibus1
brgphy0: 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
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 Gbps 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
pci0: <serial bus, SMBus> at device 31.3 (no driver attached)
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
pci128: <base peripheral> at device 4.0 (no driver attached)
pci128: <base peripheral> at device 4.1 (no driver attached)
pci128: <base peripheral> at device 4.2 (no driver attached)

```

```

pci128: <base peripheral> at device 4.3 (no driver attached)
pci128: <base peripheral> at device 4.4 (no driver attached)
pci128: <base peripheral> at device 4.5 (no driver attached)
pci128: <base peripheral> at device 4.6 (no driver attached)
pci128: <base peripheral> at device 4.7 (no driver attached)
pci128: <base peripheral> at device 5.0 (no driver attached)
pci128: <base peripheral> at device 5.1 (no driver attached)
pci128: <base peripheral> at device 5.2 (no driver attached)
acpi_button0: <Power Button> on acpi0
uart0: <16550 or compatible> port 0x3f8-0x3ff irq 4 flags 0x10 on acpi0
uart1: <16550 or compatible> port 0x2f8-0x2ff irq 3 on acpi0
orm0: <ISA Option ROM> at iomem 0xc0000-0xc7fff on isa0
sc0: <System console> at flags 0x100 on isa0
sc0: VGA <16 virtual consoles, flags=0x300>
vga0: <Generic ISA VGA> at port 0x3c0-0x3df iomem 0xa0000-0xbffff on isa0
ppc0: cannot reserve I/O port range
ctl: CAM Target Layer loaded
est0: <Enhanced SpeedStep Frequency Control> on cpu0
p4tcc0: <CPU Frequency Thermal Control> on cpu0
est1: <Enhanced SpeedStep Frequency Control> on cpu1
p4tcc1: <CPU Frequency Thermal Control> on cpu1
est2: <Enhanced SpeedStep Frequency Control> on cpu2
p4tcc2: <CPU Frequency Thermal Control> on cpu2
est3: <Enhanced SpeedStep Frequency Control> on cpu3
p4tcc3: <CPU Frequency Thermal Control> on cpu3
est4: <Enhanced SpeedStep Frequency Control> on cpu4
p4tcc4: <CPU Frequency Thermal Control> on cpu4
est5: <Enhanced SpeedStep Frequency Control> on cpu5
p4tcc5: <CPU Frequency Thermal Control> on cpu5
est6: <Enhanced SpeedStep Frequency Control> on cpu6
p4tcc6: <CPU Frequency Thermal Control> on cpu6
est7: <Enhanced SpeedStep Frequency Control> on cpu7
p4tcc7: <CPU Frequency Thermal Control> on cpu7
est8: <Enhanced SpeedStep Frequency Control> on cpu8
p4tcc8: <CPU Frequency Thermal Control> on cpu8
est9: <Enhanced SpeedStep Frequency Control> on cpu9
p4tcc9: <CPU Frequency Thermal Control> on cpu9
est10: <Enhanced SpeedStep Frequency Control> on cpu10
p4tcc10: <CPU Frequency Thermal Control> on cpu10
est11: <Enhanced SpeedStep Frequency Control> on cpu11
p4tcc11: <CPU Frequency Thermal Control> on cpu11
Timecounters tick every 1.000 msec
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
uhub1: 2 ports with 2 removable, self powered
uhub2: 2 ports with 2 removable, self powered
uhub0: 21 ports with 21 removable, self powered
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
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
uhub5: 3 ports with 3 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
umass0:6:0:-1: Attached to scbus6
ugen1.4: <Topre Corporation> at usb1
cd0 at ahcich4 bus 0 scbus4 target 0 lun 0
cd0: <MATSHITA DVD-ROM UJ8E2 1.00> Removable CD-ROM SCSI-0 device
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 #7 Launched!
SMP: AP CPU #3 Launched!
SMP: AP CPU #9 Launched!
SMP: AP CPU #1 Launched!
SMP: AP CPU #8 Launched!
SMP: AP CPU #2 Launched!
SMP: AP CPU #11 Launched!
SMP: AP CPU #5 Launched!
SMP: AP CPU #6 Launched!
SMP: AP CPU #4 Launched!
SMP: AP CPU #10 Launched!
da0 at umass-sim0 bus 0 scbus6 target 0 lun 0
da0: <UFD 2.0 Silicon-Power4G PMAP> Removable Direct Access SCSI-4 device
da0: 40.000MB/s transfers
da0: 3700MB (7579008 512 byte sectors: 255H 63S/T 471C)
Timecounter "TSC-low" frequency 12500251 Hz quality 1000
ukbd0: <Topre Corporation HHKB Professional, class 0/0, rev 1.10/1.02, addr 4> on usb1
kbd0 at ukbd0
GEOM: da0: geometry does not match label (64h,33s != 255h,63s).

```

```
GEOM: da0: media size does not match label.  
Root mount waiting for: usb1  
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
    0x100000-0x7ab03fff
    0x7bd5d000-0x7bd5dfff
    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:
    0xc780000-0xc78ffff
    0xc7914000-0xc7914fff
    0xfed12000-0xfed1200f
    0xfed12010-0xfed1201f
    0xfed1b000-0xfed1bfff
    0xfed1c000-0xfed3ffff
    0xfed45000-0xfed8bfff
    0xfe00000-0xfeffffff
    0xff00000-0xffffffff
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
pcib4
pci32
pcib5
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
pcib6
pci65
pcib7
  I/O memory addresses:
    0xc6000000-0xc60fffff
pci97
bge0
  Interrupt request lines:
    264
pcib7 prefetch window:
  0xc6030000-0xc603ffff
  0xc6040000-0xc604ffff
  0xc6050000-0xc605ffff
miibus0
ukphy0

```

```

bge1
  Interrupt request lines:
    265
  pcib7 prefetch window:
    0xc6000000-0xc600ffff
    0xc6010000-0xc601ffff
    0xc6020000-0xc602ffff
  miibus1
  brgphy0
pcib8
  I/O memory addresses:
    0xc5000000-0xc5ffffff
    0xc7000000-0xc77fffff
pci98
  vgapci0
    pcib8 memory window:
      0xc7000000-0xc77fffff
    pcib8 prefetch window:
      0xc5000000-0xc5ffffff
  vgapm0
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:
    266
  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=0x2fa8086 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=0x2f08086 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)
    cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = unknown 1
ecap 000b[144] = unknown 1
ecap 000b[1d0] = unknown 1
ecap 000b[280] = unknown 1
ecap 000b[300] = unknown 1
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

```



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cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port max data 256(256) link x8(x8)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = unknown 1
ecap 000d[110] = unknown 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = unknown 1
ecap 0019[250] = unknown 1
ecap 000b[280] = unknown 1
ecap 000b[300] = unknown 1
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 max data 128(256) link x0(x16)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = unknown 1
ecap 000d[110] = unknown 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = unknown 1
ecap 0019[250] = unknown 1
ecap 000b[280] = unknown 1
ecap 000b[300] = unknown 1
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 max data 128(256) link x0(x16)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = unknown 1
ecap 000d[110] = unknown 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = unknown 1
ecap 0019[250] = unknown 1
ecap 000b[280] = unknown 1
ecap 000b[300] = unknown 1
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)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none122@pci0:0:5:0: class=0x088000 card=0x80591bcf chip=0x2f288086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral

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    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] = unknown 1
ecap 000b[110] = unknown 1
ecap 000b[120] = unknown 1
ecap 000b[130] = unknown 1
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)
    cap 01[80] = powerspec 3 supports D0 D3 current D0
xhci0@pci:0:20:0:    class=0x0c0330 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=0x0c0320 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 max data 128(128) link x0(x1)
    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 max data 128(128) link x1(x1)
    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 max data 128(128) link x1(x1)
    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=0x0c0320 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
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

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vendor = 'Intel Corporation'
class = serial bus
subclass = SMBus
none129@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) link x8(x8)
cap 03[d0] = VPD
cap 05[a8] = MSI supports 1 message, 64 bit, vector masks
cap 11[c0] = MSI-X supports 97 messages in map 0x14
ecap 0001[100] = AER 2
ecap 0019[1e0] = unknown 1
ecap 0004[1c0] = unknown 1
ecap 0016[190] = unknown 1
ecap 000e[148] = unknown 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) link x1(x2)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 0000fcaa14a3c4bf
ecap 0004[150] = unknown 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) link x1(x2)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 0000fcaa14a3c4c0
ecap 0004[150] = unknown 1
ecap 0002[160] = VC 1 max VC0
vgapci0@pci: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)
cap 05[54] = MSI supports 1 message
pcib10@pci: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)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = unknown 1
ecap 000d[110] = unknown 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = unknown 1
ecap 000b[280] = unknown 1
ecap 000b[300] = unknown 1
pcib11@pci: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 max data 128(256) link x0(x8)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = unknown 1
ecap 000d[110] = unknown 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = unknown 1
ecap 0019[250] = unknown 1
ecap 000b[280] = unknown 1
ecap 000b[300] = unknown 1
pcib12@pci: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)
cap 01[e0] = powerspec 3 supports D0 D3 current D0

```

```

ecap 000b[100] = unknown 1
ecap 000d[110] = unknown 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = unknown 1
ecap 0019[250] = unknown 1
ecap 000b[280] = unknown 1
ecap 000b[300] = unknown 1
pcib13@pci:0:128:3:0: 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)
    cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = unknown 1
ecap 000d[110] = unknown 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = unknown 1
ecap 0019[250] = unknown 1
ecap 000b[280] = unknown 1
ecap 000b[300] = unknown 1
none130@pci:0:128:4:0: 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
none131@pci:0:128:4:1: 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
none132@pci:0:128:4:2: 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
none133@pci:0:128:4:3: 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
none134@pci:0:128:4:4: 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
none135@pci:0:128:4:5: 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
none136@pci:0:128:4:6: 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
none137@pci:0:128:4:7: 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
none138@pci:0:128:5:0: 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)
none139@pci:0:128:5:1: 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] = unknown 1
ecap 000b[110] = unknown 1
ecap 000b[120] = unknown 1
ecap 000b[130] = unknown 1
none140@pci:0:128:5:2: 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@pci:0:128:5:4: 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}

```

PCI Vendor ID=0x8086  
Minimal Tick=14318  
SLIT: Length=48, Revision=1, Checksum=69,  
OEMID=AMI, OEM Table ID=0694, OEM Revision=0x1,  
Creator ID=INTL, Creator Revision=0x20091013  
SRAT: Length=3672, Revision=3, Checksum=103,  
OEMID=AMI, OEM Table ID=0694, OEM Revision=0x1,  
Creator ID=INTL, Creator Revision=0x20091013  
Table Revision=1  
Type=CPU  
Flags={ENABLED}  
APIC ID=0  
Proximity Domain=0  
Type=CPU  
Flags={ENABLED}  
APIC ID=2  
Proximity Domain=0  
Type=CPU  
Flags={ENABLED}  
APIC ID=4  
Proximity Domain=0  
Type=CPU  
Flags={ENABLED}  
APIC ID=6  
Proximity Domain=0  
Type=CPU  
Flags={ENABLED}  
APIC ID=8  
Proximity Domain=0  
Type=CPU  
Flags={ENABLED}  
APIC ID=10  
Proximity Domain=0  
Type=CPU  
Flags={ENABLED}  
APIC ID=16  
Proximity Domain=1  
Type=CPU  
Flags={ENABLED}  
APIC ID=18  
Proximity Domain=1  
Type=CPU  
Flags={ENABLED}  
APIC ID=20  
Proximity Domain=1  
Type=CPU  
Flags={ENABLED}  
APIC ID=22  
Proximity Domain=1  
Type=CPU  
Flags={ENABLED}  
APIC ID=24  
Proximity Domain=1  
Type=CPU  
Flags={ENABLED}  
APIC ID=26  
Proximity Domain=1  
Type=CPU  
Flags={DISABLED}  
APIC ID=255  
Proximity Domain=0  
Type=CPU  
Flags={DISABLED}  
APIC ID=255  
Proximity Domain=0  
Type=CPU  
Flags={DISABLED}  
APIC ID=255  
Proximity Domain=0  
Type=CPU  
Flags={DISABLED}  
APIC ID=255  
Proximity Domain=0  
Type=CPU  
Flags={DISABLED}  
APIC ID=255  
Proximity Domain=0  
Type=CPU  
Flags={DISABLED}  
APIC ID=255  
Proximity Domain=0  
Type=CPU  
Flags={DISABLED}  
APIC ID=255  
Proximity Domain=0  
Type=CPU  
Flags={DISABLED}  
APIC ID=255  
Proximity Domain=1  
Type=CPU  
Flags={DISABLED}  
APIC ID=255  
Proximity Domain=1  
Type=CPU  
Flags={DISABLED}













Flags={DISABLED}  
APIC ID=255  
Proximity Domain=3  
Type=CPU  
Flags={DISABLED}  
APIC ID=255  
Proximity Domain=3  
Type=CPU  
Flags={DISABLED}  
APIC ID=255  
Proximity Domain=3  
Type=CPU  
Flags={DISABLED}  
APIC ID=255  
Proximity Domain=3  
Type=CPU  
Flags={DISABLED}  
APIC ID=255  
Proximity Domain=3  
Type=CPU  
Flags={DISABLED}  
APIC ID=255  
Proximity Domain=3  
Type=CPU  
Flags={DISABLED}  
APIC ID=255  
Proximity Domain=3  
Type=CPU  
Flags={DISABLED}  
APIC ID=255  
Proximity Domain=3  
Type=CPU  
Flags={DISABLED}  
APIC ID=255  
Proximity Domain=3  
Type=Memory  
Flags={ENABLED}  
Base Address=0x0000000000000000  
Length=0x0000000080000000  
Proximity Domain=0  
Type=Memory  
Flags={ENABLED}  
Base Address=0x0000000100000000  
Length=0x0000000780000000  
Proximity Domain=0  
Type=Memory  
Flags={ENABLED}  
Base Address=0x0000000880000000  
Length=0x0000008000000000  
Proximity Domain=1  
Type=Memory  
Flags={DISABLED}  
Base Address=0x0000000000000000  
Length=0x0000000000000000  
Proximity Domain=0  
Type=Memory  
Flags={DISABLED}  
Base Address=0x0000000000000000  
Length=0x0000000000000000  
Proximity Domain=0  
Type=Memory  
Flags={DISABLED}  
Base Address=0x0000000000000000  
Length=0x0000000000000000  
Proximity Domain=0  
Type=Memory  
Flags={DISABLED}  
Base Address=0x0000000000000000  
Length=0x0000000000000000  
Proximity Domain=0  
Type=Memory  
Flags={DISABLED}  
Base Address=0x0000000000000000  
Length=0x0000000000000000  
Proximity Domain=0  
Type=Memory  
Flags={DISABLED}  
Base Address=0x0000000000000000  
Length=0x0000000000000000  
Proximity Domain=0  
Type=Memory  
Flags={DISABLED}



```

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
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=0x20091013
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 (100baseTX <full-duplex,flowcontrol,txpau>)
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 (none)
status: no carrier
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	10 root	wheel	512 Jun 30 15:28 /dev
126	0 lrwxr-xr-x	1 root	wheel	12 Jun 30 15:29 /dev/log -> /var/run/log
3	0 crw-r-----	1 root	operator	0, 3 Jun 30 15:28 /dev/geom.ctl
4	0 crw-----	1 root	wheel	0, 4 Jun 30 15:28 /dev/devctl
5	0 crw-----	1 root	wheel	0, 5 Jun 30 15:29 /dev/console
6	0 cr--r--r--	1 root	wheel	0, 6 Jun 30 15:28 /dev/sndstat
7	0 crw-rw-rw-	1 root	wheel	0, 7 Jun 30 15:28 /dev/midistat
8	0 crw-----	1 root	wheel	0, 8 Jun 30 15:28 /dev/sysmouse
9	0 crw-----	1 root	wheel	0, 9 Jun 30 15:28 /dev/klog
10	0 crw-rw-rw-	1 root	wheel	0, 10 Jun 30 15:28 /dev/ctty
11	0 crw-----	1 root	wheel	0, 11 Jun 30 15:30 /dev/bpf
12	0 lrwxr-xr-x	1 root	wheel	3 Jun 30 15:28 /dev/bpf0 -> bpf
13	0 crw-----	1 root	wheel	0, 13 Jun 30 15:28 /dev/kbdmux0
14	0 lrwxr-xr-x	1 root	wheel	7 Jun 30 15:28 /dev/kbd1 -> kbdmux0
15	0 crw-----	1 root	wheel	0, 15 Jun 30 15:28 /dev/fido
16	0 crw-r-----	1 root	kmem	0, 16 Jun 30 15:28 /dev/mem
17	0 crw-r-----	1 root	kmem	0, 17 Jun 30 15:28 /dev/kmem
18	0 crw-----	1 root	kmem	0, 18 Jun 30 15:28 /dev/nfslock
19	0 crw-----	1 root	kmem	0, 19 Jun 30 15:28 /dev/audit
20	0 crw-----	1 root	wheel	0, 20 Jun 30 15:28 /dev/dcons
21	0 crw-----	1 root	wheel	0, 21 Jun 30 15:28 /dev/dgdb
22	0 crw-rw-rw-	1 root	wheel	0, 22 Jun 30 15:33 /dev/null
23	0 crw-rw-rw-	1 root	wheel	0, 23 Jun 30 15:28 /dev/zero
24	0 crw-r--r--	1 root	wheel	0, 24 Jun 30 15:28 /dev/pci
25	0 crw-rw-rw-	1 root	wheel	0, 25 Jun 30 15:28 /dev/ptmx
26	0 crw-rw-rw-	1 root	wheel	0, 26 Jun 30 15:29 /dev/random
27	0 lrwxr-xr-x	1 root	wheel	6 Jun 30 15:28 /dev/urandom -> random
28	0 crw-----	1 root	wheel	0, 28 Jun 30 15:28 /dev/io
122	1 dr-xr-xr-x	2 root	wheel	512 Jun 30 15:28 /dev/fd
29	0 crw-rw-rw-	1 root	wheel	0, 29 Jun 30 15:28 /dev/fd/0
31	0 crw-rw-rw-	1 root	wheel	0, 31 Jun 30 15:28 /dev/fd/1
33	0 crw-rw-rw-	1 root	wheel	0, 33 Jun 30 15:28 /dev/fd/2
30	0 lrwxr-xr-x	1 root	wheel	4 Jun 30 15:28 /dev/stdin -> fd/0
32	0 lrwxr-xr-x	1 root	wheel	4 Jun 30 15:28 /dev/stdout -> fd/1
34	0 lrwxr-xr-x	1 root	wheel	4 Jun 30 15:28 /dev/stderr -> fd/2
35	0 crw-r--r--	1 root	wheel	0, 35 Jun 30 15:28 /dev/acpi
123	1 dr-xr-xr-x	2 root	wheel	512 Jun 30 15:28 /dev/led
36	0 crw-----	1 root	wheel	0, 36 Jun 30 15:28 /dev/led/ahcich0.locate
37	0 crw-----	1 root	wheel	0, 37 Jun 30 15:28 /dev/led/ahcich0.fault
38	0 crw-----	1 root	wheel	0, 38 Jun 30 15:28 /dev/led/ahcich1.locate
39	0 crw-----	1 root	wheel	0, 39 Jun 30 15:28 /dev/led/ahcich1.fault
40	0 crw-----	1 root	wheel	0, 40 Jun 30 15:28 /dev/led/ahcich2.locate
41	0 crw-----	1 root	wheel	0, 41 Jun 30 15:28 /dev/led/ahcich2.fault
42	0 crw-----	1 root	wheel	0, 42 Jun 30 15:28 /dev/led/ahcich3.locate
43	0 crw-----	1 root	wheel	0, 43 Jun 30 15:28 /dev/led/ahcich3.fault
44	0 crw-----	1 root	wheel	0, 44 Jun 30 15:28 /dev/led/ahcich4.locate
45	0 crw-----	1 root	wheel	0, 45 Jun 30 15:28 /dev/led/ahcich4.fault
46	0 crw-----	1 root	wheel	0, 46 Jun 30 15:28 /dev/ttyu0
47	0 crw-----	1 root	wheel	0, 47 Jun 30 15:28 /dev/ttyu0.init
48	0 crw-----	1 root	wheel	0, 48 Jun 30 15:28 /dev/ttyu0.lock
49	0 crw-rw----	1 uucp	dialer	0, 49 Jun 30 15:28 /dev/cuau0
50	0 crw-rw----	1 uucp	dialer	0, 50 Jun 30 15:28 /dev/cuau0.init
51	0 crw-rw----	1 uucp	dialer	0, 51 Jun 30 15:28 /dev/cuau0.lock
52	0 crw-----	1 root	wheel	0, 52 Jun 30 15:28 /dev/ttyu1
53	0 crw-----	1 root	wheel	0, 53 Jun 30 15:28 /dev/ttyu1.init
54	0 crw-----	1 root	wheel	0, 54 Jun 30 15:28 /dev/ttyu1.lock
55	0 crw-rw----	1 uucp	dialer	0, 55 Jun 30 15:28 /dev/cuau1
56	0 crw-rw----	1 uucp	dialer	0, 56 Jun 30 15:28 /dev/cuau1.init
57	0 crw-rw----	1 uucp	dialer	0, 57 Jun 30 15:28 /dev/cuau1.lock
58	0 crw-----	1 root	tty	0, 58 Jun 30 15:34 /dev/ttyv0
59	0 crw-----	1 root	tty	0, 59 Jun 30 15:30 /dev/ttyv1
60	0 crw-----	1 root	wheel	0, 60 Jun 30 15:29 /dev/ttyv2
61	0 crw-----	1 root	wheel	0, 61 Jun 30 15:29 /dev/ttyv3
62	0 crw-----	1 root	wheel	0, 62 Jun 30 15:29 /dev/ttyv4
63	0 crw-----	1 root	wheel	0, 63 Jun 30 15:29 /dev/ttyv5
64	0 crw-----	1 root	wheel	0, 64 Jun 30 15:29 /dev/ttyv6
65	0 crw-----	1 root	wheel	0, 65 Jun 30 15:29 /dev/ttyv7
66	0 crw-----	1 root	wheel	0, 66 Jun 30 15:28 /dev/ttyv8
67	0 crw-----	1 root	wheel	0, 67 Jun 30 15:28 /dev/ttyv9
68	0 crw-----	1 root	wheel	0, 68 Jun 30 15:28 /dev/ttyva
69	0 crw-----	1 root	wheel	0, 69 Jun 30 15:28 /dev/ttyvb
70	0 crw-----	1 root	wheel	0, 70 Jun 30 15:28 /dev/ttyvc
71	0 crw-----	1 root	wheel	0, 71 Jun 30 15:28 /dev/ttyvd
72	0 crw-----	1 root	wheel	0, 72 Jun 30 15:28 /dev/ttyve
73	0 crw-----	1 root	wheel	0, 73 Jun 30 15:28 /dev/ttyvf
74	0 crw-----	1 root	wheel	0, 74 Jun 30 15:28 /dev/conslectl
124	1 dr-xr-xr-x	2 root	wheel	512 Jun 30 15:28 /dev/cam
75	0 crw-----	1 root	operator	0, 75 Jun 30 15:28 /dev/cam/ctl
77	0 crw-r--r--	1 root	operator	0, 77 Jun 30 15:28 /dev/usbctl
78	0 crw-----	1 root	operator	0, 78 Jun 30 15:28 /dev/xpt0
79	0 crw-----	1 root	wheel	0, 79 Jun 30 15:28 /dev/mdctl
125	1 dr-xr-xr-x	2 root	wheel	512 Jun 30 15:28 /dev/usb
80	0 crw-----	1 root	operator	0, 80 Jun 30 15:28 /dev/usb/0.1.0
82	0 crw-----	1 root	operator	0, 82 Jun 30 15:28 /dev/usb/1.1.0
84	0 crw-----	1 root	operator	0, 84 Jun 30 15:28 /dev/usb/2.1.0

86	0 crw-----	1 root	operator	0,	86 Jun 30 15:28	/dev/usb/0.1.1
87	0 crw-----	1 root	operator	0,	87 Jun 30 15:28	/dev/usb/1.1.1
88	0 crw-----	1 root	operator	0,	88 Jun 30 15:28	/dev/usb/2.1.1
89	0 crw-----	1 root	operator	0,	89 Jun 30 15:28	/dev/usb/1.2.0
91	0 crw-----	1 root	operator	0,	91 Jun 30 15:28	/dev/usb/2.2.0
93	0 crw-----	1 root	operator	0,	93 Jun 30 15:28	/dev/usb/1.2.1
94	0 crw-----	1 root	operator	0,	94 Jun 30 15:28	/dev/usb/2.2.1
95	0 crw-----	1 root	operator	0,	95 Jun 30 15:28	/dev/usb/1.3.0
97	0 crw-----	1 root	operator	0,	97 Jun 30 15:28	/dev/usb/1.3.1
98	0 crw-----	1 root	operator	0,	98 Jun 30 15:28	/dev/usb/2.3.0
100	0 crw-----	1 root	operator	0,	100 Jun 30 15:28	/dev/usb/2.3.1
101	0 crw-----	1 root	operator	0,	101 Jun 30 15:28	/dev/usb/2.3.2
102	0 crw-----	1 root	operator	0,	102 Jun 30 15:28	/dev/usb/1.4.0
104	0 crw-----	1 root	operator	0,	104 Jun 30 15:28	/dev/usb/1.4.1
115	0 crw-----	1 root	operator	0,	115 Jun 30 15:28	/dev/usb/1.5.0
117	0 crw-----	1 root	operator	0,	117 Jun 30 15:28	/dev/usb/1.5.1
118	0 crw-----	1 root	operator	0,	118 Jun 30 15:28	/dev/usb/1.5.2
81	0 lrwxr-xr-x	1 root	wheel	9 Jun 30 15:28	/dev/ugen0.1 -> usb/0.1.0	
83	0 lrwxr-xr-x	1 root	wheel	9 Jun 30 15:28	/dev/ugen1.1 -> usb/1.1.0	
85	0 lrwxr-xr-x	1 root	wheel	9 Jun 30 15:28	/dev/ugen2.1 -> usb/2.1.0	
90	0 lrwxr-xr-x	1 root	wheel	9 Jun 30 15:28	/dev/ugen1.2 -> usb/1.2.0	
92	0 lrwxr-xr-x	1 root	wheel	9 Jun 30 15:28	/dev/ugen2.2 -> usb/2.2.0	
96	0 lrwxr-xr-x	1 root	wheel	9 Jun 30 15:28	/dev/ugen1.3 -> usb/1.3.0	
99	0 lrwxr-xr-x	1 root	wheel	9 Jun 30 15:28	/dev/ugen2.3 -> usb/2.3.0	
103	0 lrwxr-xr-x	1 root	wheel	9 Jun 30 15:28	/dev/ugen1.4 -> usb/1.4.0	
105	0 cr-----	1 root	wheel	0,	105 Jun 30 15:28	/dev/devstat
106	0 crw-----	1 root	operator	0,	106 Jun 30 15:28	/dev/pass0
107	0 crw-----	1 root	operator	0,	107 Jun 30 15:28	/dev/pass1
108	0 crw-r-----	1 root	operator	0,	108 Jun 30 15:28	/dev/cd0
109	0 crw-----	1 root	wheel	0,	109 Jun 30 15:28	/dev/ukbd0
110	0 lrwxr-xr-x	1 root	wheel	5 Jun 30 15:28	/dev/kbd0 -> ukbd0	
111	0 crw-r-----	1 root	operator	0,	111 Jun 30 15:28	/dev/da0
112	0 crw-r-----	1 root	operator	0,	112 Jun 30 15:28	/dev/da0a
127	1 dr-xr-xr-x	2 root	wheel	512 Jun 30 15:28	/dev/ufs	
114	0 crw-r-----	1 root	operator	0,	114 Jun 30 15:28	/dev/ufs/FreeBSD_Install
116	0 lrwxr-xr-x	1 root	wheel	9 Jun 30 15:28	/dev/ugen1.5 -> usb/1.5.0	
119	0 crw-----	1 root	wheel	0,	119 Jun 30 15:28	/dev/ukbd1
120	0 lrwxr-xr-x	1 root	wheel	5 Jun 30 15:28	/dev/kbd2 -> ukbd1	
121	0 crw-r-----	1 root	operator	0,	121 Jun 30 15:28	/dev/ums0
113	0 crw-r-----	1 root	operator	0,	113 Jun 30 15:29	/dev/md0
128	0 crw-r-----	1 root	operator	0,	128 Jun 30 15:29	/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 / 9.1-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

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