

FreeBSD動作検証レポート

R120f-1E / 9.2-RELEASE

対象ハードウェア

maker:NEC, product:Express5800/R120f-1E
[N8100-2248Y], serial:5200107, version:FR1.0

対象OSバージョン

FreeBSD 9.2-RELEASE #0 r255898: Thu Sep 26
22:50:31 UTC 2013

2015年11月4日版

BSDコンサルティング株式会社

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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	da398a36-3dbc-e411-8001-448a5bf84ef8
製品データ	maker:NEC, product:Express5800/R120f-1E [N8100-2248Y], serial:5200107, version:FR1.0
筐体データ	maker:NEC, serial:01, tag:_____, version:856-857682-031
CPU	Intel(R) Xeon(R) CPU E5-2660 v3 @ 2.60GHz
MEMORY	134217728[KB]
BIOS	reldate:11/21/2014, vendor:American Megatrends Inc., version:5.0.4015
ACPI	oem:AMI , revision:2, rsdp:984368, rsdt:0x7b081028, xsdt:0x000000007b081080
OS	FreeBSD 9.2-RELEASE #0 r255898: Thu Sep 26 22:50:31 UTC 2013

基礎性能データ

メモリアクセス速度	24.510 GBi/sec
IPv4スタック処理速度	未検出
IPv6スタック処理速度	未検出

動作検証要約

1way/2way アーキテクチャ

FreeBSD 9.2-RELEASE #0 r255898: Thu Sep 26 22:50:31 UTC 2013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-1E [N8100-2248Y], serial:5200107, version:FR1.0」においてLiveCD環境の起動を確認。FreeBSD 9.2-RELEASEでは、LSI MegaRAID SAS 3108を認識し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9.2-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。

FreeBSD 9.2-RELEASE #0 r255898: Thu Sep 26 22:50:31 UTC 2013は、検証対象ハードウェア「maker:NEC, product:Express5800/R120f-1E [N8100-2248Y], serial:5200107, version:FR1.0」向けに提供されているNIC(Qlogic NetXtreme II BCM57800S 10Gb)を認識しないため適切に扱うことができない。

1way/2way共通

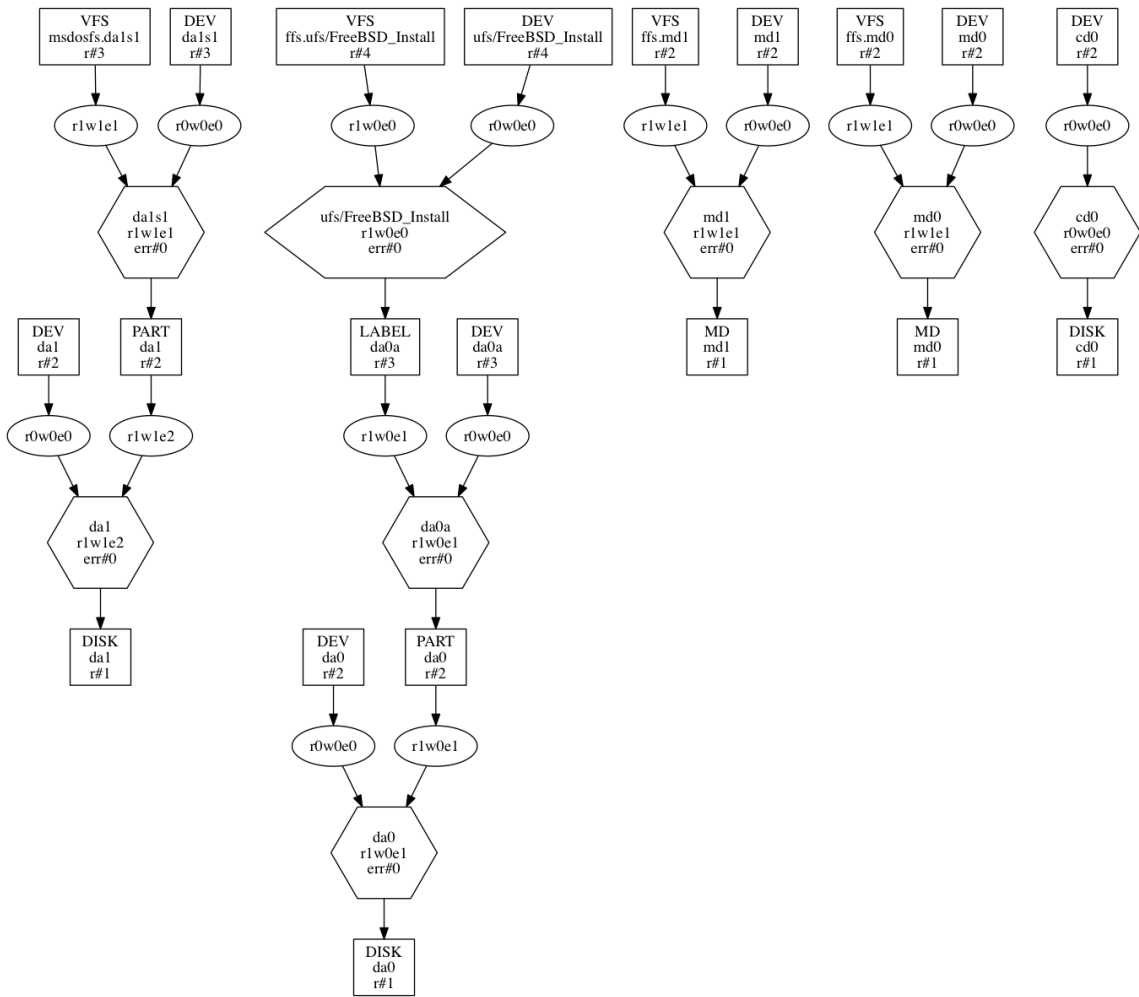
UEFIブートへの対応はFreeBSD 10.2-RELEASE以降で行われている。ただし、

「maker:NEC, product:Express5800/R120f-1E [N8100-2248Y], serial:5200107, version:FR1.0」においてUEFI版FreeBSD 10.2-RELEASEは動作しない。FreeBSD 9.2-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、将来のバージョン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以降のバージョンであれば、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=0680, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_BERT	Revision=1, OEMID=AMI, OEM_Table ID=0680, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x1
ACPI_DMAR	Revision=1, OEMID=AMI, OEM_Table ID=0680, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x20091013
ACPI_DSDT	Revision=2, OEMID=AMI, OEM_Table ID=0680, OEM_Revision=0x1072009, Creator_ID=INTL, Creator_Revision=0x20091013
ACPI_FACP	Revision=5, OEMID=AMI, OEM_Table ID=0680, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013, FACS=0x7b5f3f80, DSDT=0x7b081198, SMI_CMD=0xb2, ACPI_ENABLE=0xa0, ACPI_DISABLE=0xa1, S4BIOS_REQ=0x0, FLUSH_STRIDE=16, DUTY_WIDTH=3, RESET_VALUE=0xbf
ACPI_FACS	HwSig=0x00000042, Firm_Wake_Vec=0x00000000
ACPI_FIDT	Length=156, Revision=1, Checksum=223, OEMID=AMI, OEM_Table ID=0680, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_HPET	Revision=1, OEMID=AMI, OEM_Table ID=0680, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x20091013
ACPI_MCFG	Revision=1, OEMID=AMI, OEM_Table ID=0680, OEM_Revision=0x1072009, Creator_ID=MSFT, Creator_Revision=0x97
ACPI_RSD_PTR	OEM=AMI, ACPI_Rev=2.0x(2), XSDT=0x7b081080
ACPI_SLIT	Revision=1, OEMID=AMI, OEM_Table ID=0680, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x20091013
ACPI_SRAT	Revision=3, OEMID=AMI, OEM_Table ID=0680, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x20091013
ACPI_XSDT	Revision=1, OEMID=AMI, OEM_Table ID=0680, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_SSDT_1	Length=31969, Revision=1, Checksum=238, OEMID=AMI, OEM_Table ID=PmMgt, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x20120913
ACPI_SSDT_2	Length=6370, Revision=2, Checksum=187, OEMID=AMI, OEM_Table ID=SpsNm, OEM_Revision=0x2, Creator_ID=INTL, Creator_Revision=0x20120913
ACPI_SSDT_3	Length=100, Revision=2, Checksum=102, 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mp(4)ドライバを使用しないストレージ構成の場合、当項目は該当データなし。

NIC認識データ

NIC	
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カーネルデバイス認識データ

acpi	audit	bpf	bpf0(bpf)
cd0	console	consolectl	ctty
cuau0	cuau0.init	cuau0.lock	cuau1
cuau1.init	cuau1.lock	da0	da0a
da1	devctl	devstat	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	led/ahcich5.fault
led/ahcich5.locate	log(/var/run/log)	md0	md1
mdctl	mem	midistat	nfslock
null	pass0	pass1	pass2
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
ufssuspend	ugen0.1(usb/0.1.0)	ugen1.1(usb/1.1.0)	ugen1.2(usb/1.2.0)
ugen1.3(usb/1.3.0)	ugen2.1(usb/2.1.0)	ugen2.2(usb/2.2.0)	ugen2.3(usb/2.3.0)
ugen2.4(usb/2.4.0)	ugen2.5(usb/2.5.0)	ugen2.6(usb/2.6.0)	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/1.3.2	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
usb/2.4.0	usb/2.4.1	usb/2.5.0	usb/2.5.1
usb/2.6.0	usb/2.6.1	usb/2.6.2	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	pci0:255:9:0(none3), class=base peripheral, vendor='Intel Corporation', device=
5	pci0:255:9:2(none4), class=dasp, vendor='Intel Corporation', device=
6	pci0:255:9:3(none5), class=base peripheral, vendor='Intel Corporation', device=
7	pci0:255:11:0(none6), class=base peripheral, vendor='Intel Corporation', device=
8	pci0:255:11:1(none7), class=dasp, vendor='Intel Corporation', device=
9	pci0:255:11:2(none8), class=dasp, vendor='Intel Corporation', device=
10	pci0:255:12:0(none9), class=base peripheral, vendor='Intel Corporation', device=
11	pci0:255:12:1(none10), class=base peripheral, vendor='Intel Corporation', device=
12	pci0:255:12:2(none11), class=base peripheral, vendor='Intel Corporation', device=
13	pci0:255:12:3(none12), class=base peripheral, vendor='Intel Corporation', device=
14	pci0:255:12:4(none13), class=base peripheral, vendor='Intel Corporation', device=
15	pci0:255:12:5(none14), class=base peripheral, vendor='Intel Corporation', device=
16	pci0:255:12:6(none15), class=base peripheral, vendor='Intel Corporation', device=
17	pci0:255:12:7(none16), class=base peripheral, vendor='Intel Corporation', device=
18	pci0:255:13:0(none17), class=base peripheral, vendor='Intel Corporation', device=
19	pci0:255:13:1(none18), class=base peripheral, vendor='Intel Corporation', device=
20	pci0:255:15:0(none19), class=base peripheral, vendor='Intel Corporation', device=
21	pci0:255:15:1(none20), class=base peripheral, vendor='Intel Corporation', device=
22	pci0:255:15:2(none21), class=base peripheral, vendor='Intel Corporation', device=
23	pci0:255:15:3(none22), class=base peripheral, vendor='Intel Corporation', device=
24	pci0:255:15:4(none23), class=base peripheral, vendor='Intel Corporation', device=
25	pci0:255:15:5(none24), class=base peripheral, vendor='Intel Corporation', device=
26	pci0:255:15:6(none25), class=base peripheral, vendor='Intel Corporation', device=
27	pci0:255:16:0(none26), class=base peripheral, vendor='Intel Corporation', device=
28	pci0:255:16:1(none27), class=dasp, vendor='Intel Corporation', device=
29	pci0:255:16:5(none28), class=base peripheral, vendor='Intel Corporation', device=
30	pci0:255:16:6(none29), class=dasp, vendor='Intel Corporation', device=
31	pci0:255:16:7(none30), class=base peripheral, vendor='Intel Corporation', device=
32	pci0:255:18:0(none31), class=base peripheral, vendor='Intel Corporation', device=
33	pci0:255:18:1(none32), class=dasp, vendor='Intel Corporation', device=
34	pci0:255:18:4(none33), class=base peripheral, vendor='Intel Corporation', device=
35	pci0:255:18:5(none34), class=dasp, vendor='Intel Corporation', device=
36	pci0:255:19:0(none35), class=base peripheral, vendor='Intel Corporation', device=
37	pci0:255:19:1(none36), class=base peripheral, vendor='Intel Corporation', device=
38	pci0:255:19:2(none37), class=base peripheral, vendor='Intel Corporation', device=
39	pci0:255:19:3(none38), class=base peripheral, vendor='Intel Corporation', device=
40	pci0:255:19:6(none39), class=base peripheral, vendor='Intel Corporation', device=

41	pci0:255:19:7(none40), class=base peripheral, vendor='Intel Corporation', device=
42	pci0:255:20:0(none41), class=base peripheral, vendor='Intel Corporation', device=
43	pci0:255:20:1(none42), class=base peripheral, vendor='Intel Corporation', device=
44	pci0:255:20:2(none43), class=base peripheral, vendor='Intel Corporation', device=
45	pci0:255:20:3(none44), class=base peripheral, vendor='Intel Corporation', device=
46	pci0:255:20:4(none45), class=base peripheral, vendor='Intel Corporation', device=
47	pci0:255:20:5(none46), class=base peripheral, vendor='Intel Corporation', device=
48	pci0:255:20:6(none47), class=base peripheral, vendor='Intel Corporation', device=
49	pci0:255:20:7(none48), class=base peripheral, vendor='Intel Corporation', device=
50	pci0:255:22:0(none49), class=base peripheral, vendor='Intel Corporation', device=
51	pci0:255:22:1(none50), class=base peripheral, vendor='Intel Corporation', device=
52	pci0:255:22:2(none51), class=base peripheral, vendor='Intel Corporation', device=
53	pci0:255:22:3(none52), class=base peripheral, vendor='Intel Corporation', device=
54	pci0:255:22:6(none53), class=base peripheral, vendor='Intel Corporation', device=
55	pci0:255:22:7(none54), class=base peripheral, vendor='Intel Corporation', device=
56	pci0:255:23:0(none55), class=base peripheral, vendor='Intel Corporation', device=
57	pci0:255:23:1(none56), class=base peripheral, vendor='Intel Corporation', device=
58	pci0:255:23:2(none57), class=base peripheral, vendor='Intel Corporation', device=
59	pci0:255:23:3(none58), class=base peripheral, vendor='Intel Corporation', device=
60	pci0:255:23:4(none59), class=base peripheral, vendor='Intel Corporation', device=
61	pci0:255:23:5(none60), class=base peripheral, vendor='Intel Corporation', device=
62	pci0:255:23:6(none61), class=base peripheral, vendor='Intel Corporation', device=
63	pci0:255:23:7(none62), class=base peripheral, vendor='Intel Corporation', device=
64	pci0:255:30:0(none63), class=base peripheral, vendor='Intel Corporation', device=
65	pci0:255:30:1(none64), class=base peripheral, vendor='Intel Corporation', device=
66	pci0:255:30:2(none65), class=base peripheral, vendor='Intel Corporation', device=
67	pci0:255:30:3(none66), class=base peripheral, vendor='Intel Corporation', device=
68	pci0:255:30:4(none67), class=base peripheral, vendor='Intel Corporation', device=
69	pci0:255:31:0(none68), class=base peripheral, vendor='Intel Corporation', device=
70	pci0:255:31:2(none69), class=base peripheral, vendor='Intel Corporation', device=
71	pci0:127:8:0(none70), class=base peripheral, vendor='Intel Corporation', device=
72	pci0:127:8:2(none71), class=dasp, vendor='Intel Corporation', device=
73	pci0:127:8:3(none72), class=base peripheral, vendor='Intel Corporation', device=
74	pci0:127:9:0(none73), class=base peripheral, vendor='Intel Corporation', device=
75	pci0:127:9:2(none74), class=dasp, vendor='Intel Corporation', device=
76	pci0:127:9:3(none75), class=base peripheral, vendor='Intel Corporation', device=
77	pci0:127:11:0(none76), class=base peripheral, vendor='Intel Corporation', device=
78	pci0:127:11:1(none77), class=dasp, vendor='Intel Corporation', device=
79	pci0:127:11:2(none78), class=dasp, vendor='Intel Corporation', device=
80	pci0:127:12:0(none79), class=base peripheral, vendor='Intel Corporation', device=
81	pci0:127:12:1(none80), class=base peripheral, vendor='Intel Corporation', device=
82	pci0:127:12:2(none81), class=base peripheral, vendor='Intel Corporation', device=

83	pci0:127:12:3(none82), class=base peripheral, vendor='Intel Corporation', device=
84	pci0:127:12:4(none83), class=base peripheral, vendor='Intel Corporation', device=
85	pci0:127:12:5(none84), class=base peripheral, vendor='Intel Corporation', device=
86	pci0:127:12:6(none85), class=base peripheral, vendor='Intel Corporation', device=
87	pci0:127:12:7(none86), class=base peripheral, vendor='Intel Corporation', device=
88	pci0:127:13:0(none87), class=base peripheral, vendor='Intel Corporation', device=
89	pci0:127:13:1(none88), class=base peripheral, vendor='Intel Corporation', device=
90	pci0:127:15:0(none89), class=base peripheral, vendor='Intel Corporation', device=
91	pci0:127:15:1(none90), class=base peripheral, vendor='Intel Corporation', device=
92	pci0:127:15:2(none91), class=base peripheral, vendor='Intel Corporation', device=
93	pci0:127:15:3(none92), class=base peripheral, vendor='Intel Corporation', device=
94	pci0:127:15:4(none93), class=base peripheral, vendor='Intel Corporation', device=
95	pci0:127:15:5(none94), class=base peripheral, vendor='Intel Corporation', device=
96	pci0:127:15:6(none95), class=base peripheral, vendor='Intel Corporation', device=
97	pci0:127:16:0(none96), class=base peripheral, vendor='Intel Corporation', device=
98	pci0:127:16:1(none97), class=dasp, vendor='Intel Corporation', device=
99	pci0:127:16:5(none98), class=base peripheral, vendor='Intel Corporation', device=
100	pci0:127:16:6(none99), class=dasp, vendor='Intel Corporation', device=
101	pci0:127:16:7(none100), class=base peripheral, vendor='Intel Corporation', device=
102	pci0:127:18:0(none101), class=base peripheral, vendor='Intel Corporation', device=
103	pci0:127:18:1(none102), class=dasp, vendor='Intel Corporation', device=
104	pci0:127:18:4(none103), class=base peripheral, vendor='Intel Corporation', device=
105	pci0:127:18:5(none104), class=dasp, vendor='Intel Corporation', device=
106	pci0:127:19:0(none105), class=base peripheral, vendor='Intel Corporation', device=
107	pci0:127:19:1(none106), class=base peripheral, vendor='Intel Corporation', device=
108	pci0:127:19:2(none107), class=base peripheral, vendor='Intel Corporation', device=
109	pci0:127:19:3(none108), class=base peripheral, vendor='Intel Corporation', device=
110	pci0:127:19:6(none109), class=base peripheral, vendor='Intel Corporation', device=
111	pci0:127:19:7(none110), class=base peripheral, vendor='Intel Corporation', device=
112	pci0:127:20:0(none111), class=base peripheral, vendor='Intel Corporation', device=
113	pci0:127:20:1(none112), class=base peripheral, vendor='Intel Corporation', device=
114	pci0:127:20:2(none113), class=base peripheral, vendor='Intel Corporation', device=
115	pci0:127:20:3(none114), class=base peripheral, vendor='Intel Corporation', device=
116	pci0:127:20:4(none115), class=base peripheral, vendor='Intel Corporation', device=
117	pci0:127:20:5(none116), class=base peripheral, vendor='Intel Corporation', device=
118	pci0:127:20:6(none117), class=base peripheral, vendor='Intel Corporation', device=
119	pci0:127:20:7(none118), class=base peripheral, vendor='Intel Corporation', device=
120	pci0:127:22:0(none119), class=base peripheral, vendor='Intel Corporation', device=
121	pci0:127:22:1(none120), class=base peripheral, vendor='Intel Corporation', device=
122	pci0:127:22:2(none121), class=base peripheral, vendor='Intel Corporation', device=
123	pci0:127:22:3(none122), class=base peripheral, vendor='Intel Corporation', device=
124	pci0:127:22:6(none123), class=base peripheral, vendor='Intel Corporation', device=

125	pci0:127:22:7(none124), class=base peripheral, vendor='Intel Corporation', device=
126	pci0:127:23:0(none125), class=base peripheral, vendor='Intel Corporation', device=
127	pci0:127:23:1(none126), class=base peripheral, vendor='Intel Corporation', device=
128	pci0:127:23:2(none127), class=base peripheral, vendor='Intel Corporation', device=
129	pci0:127:23:3(none128), class=base peripheral, vendor='Intel Corporation', device=
130	pci0:127:23:4(none129), class=base peripheral, vendor='Intel Corporation', device=
131	pci0:127:23:5(none130), class=base peripheral, vendor='Intel Corporation', device=
132	pci0:127:23:6(none131), class=base peripheral, vendor='Intel Corporation', device=
133	pci0:127:23:7(none132), class=base peripheral, vendor='Intel Corporation', device=
134	pci0:127:30:0(none133), class=base peripheral, vendor='Intel Corporation', device=
135	pci0:127:30:1(none134), class=base peripheral, vendor='Intel Corporation', device=
136	pci0:127:30:2(none135), class=base peripheral, vendor='Intel Corporation', device=
137	pci0:127:30:3(none136), class=base peripheral, vendor='Intel Corporation', device=
138	pci0:127:30:4(none137), class=base peripheral, vendor='Intel Corporation', device=
139	pci0:127:31:0(none138), class=base peripheral, vendor='Intel Corporation', device=
140	pci0:127:31:2(none139), class=base peripheral, vendor='Intel Corporation', device=
141	pci0:0:0:0(hostb0), class=HOST-PCI, vendor='Intel Corporation', device=
142	pci0:0:1:0(pciB3), class=PCI-PCI, vendor='Intel Corporation', device=
143	pci0:0:2:0(pciB4), class=PCI-PCI, vendor='Intel Corporation', device=
144	pci0:0:2:2(pciB5), class=PCI-PCI, vendor='Intel Corporation', device=
145	pci0:0:3:0(pciB6), class=PCI-PCI, vendor='Intel Corporation', device=
146	pci0:0:3:2(pciB7), class=PCI-PCI, vendor='Intel Corporation', device=
147	pci0:0:4:0(none140), class=base peripheral, vendor='Intel Corporation', device=
148	pci0:0:4:1(none141), class=base peripheral, vendor='Intel Corporation', device=
149	pci0:0:4:2(none142), class=base peripheral, vendor='Intel Corporation', device=
150	pci0:0:4:3(none143), class=base peripheral, vendor='Intel Corporation', device=
151	pci0:0:4:4(none144), class=base peripheral, vendor='Intel Corporation', device=
152	pci0:0:4:5(none145), class=base peripheral, vendor='Intel Corporation', device=
153	pci0:0:4:6(none146), class=base peripheral, vendor='Intel Corporation', device=
154	pci0:0:4:7(none147), class=base peripheral, vendor='Intel Corporation', device=
155	pci0:0:5:0(none148), class=base peripheral, vendor='Intel Corporation', device=
156	pci0:0:5:1(none149), class=base peripheral, vendor='Intel Corporation', device=
157	pci0:0:5:2(none150), class=base peripheral, vendor='Intel Corporation', device=
158	pci0:0:5:4(ioapic0), class=interrupt controller, vendor='Intel Corporation', device=
159	pci0:0:17:0(none151), class=, vendor='Intel Corporation', device=
160	pci0:0:20:0(xhci0), class=USB, vendor='Intel Corporation', device=
161	pci0:0:22:0(none152), class=simple comms, vendor='Intel Corporation', device=
162	pci0:0:22:1(none153), class=simple comms, vendor='Intel Corporation', device=
163	pci0:0:26:0(ehci0), class=USB, vendor='Intel Corporation', device=
164	pci0:0:28:0(pciB8), class=PCI-PCI, vendor='Intel Corporation', device=
165	pci0:0:28:3(pciB9), class=PCI-PCI, vendor='Intel Corporation', device=
166	pci0:0:29:0(ehci1), class=USB, vendor='Intel Corporation', device=

167	pci0:0:31:0(isab0), class=PCI-ISA, vendor='Intel Corporation', device=
168	pci0:0:31:2(ahci0), class=SATA, vendor='Intel Corporation', device=
169	pci0:0:31:3(none154), class=SMBus, vendor='Intel Corporation', device=
170	pci0:1:0:0(none155), class=RAID, vendor='LSI Logic / Symbios Logic', device='MegaRAID SAS-3 3108 [Invader]'
171	pci0:5:0:0(none156), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme II BCM57800 10 Gigabit Ethernet'
172	pci0:5:0:1(none157), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme II BCM57800 10 Gigabit Ethernet'
173	pci0:5:0:2(none158), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme II BCM57800 10 Gigabit Ethernet'
174	pci0:5:0:3(none159), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme II BCM57800 10 Gigabit Ethernet'
175	pci0:125:0:0(vgapci0), class=VGA, vendor='Matrox Graphics, Inc.', device='MGA G200e [Pilot] ServerEngines (SEP1)'
176	pci0:128:0:0(pcib11), class=PCI-PCI, vendor='Intel Corporation', device=
177	pci0:128:1:0(pcib12), class=PCI-PCI, vendor='Intel Corporation', device=
178	pci0:128:2:0(pcib13), class=PCI-PCI, vendor='Intel Corporation', device=
179	pci0:128:3:0(pcib14), class=PCI-PCI, vendor='Intel Corporation', device=
180	pci0:128:4:0(none160), class=base peripheral, vendor='Intel Corporation', device=
181	pci0:128:4:1(none161), class=base peripheral, vendor='Intel Corporation', device=
182	pci0:128:4:2(none162), class=base peripheral, vendor='Intel Corporation', device=
183	pci0:128:4:3(none163), class=base peripheral, vendor='Intel Corporation', device=
184	pci0:128:4:4(none164), class=base peripheral, vendor='Intel Corporation', device=
185	pci0:128:4:5(none165), class=base peripheral, vendor='Intel Corporation', device=
186	pci0:128:4:6(none166), class=base peripheral, vendor='Intel Corporation', device=
187	pci0:128:4:7(none167), class=base peripheral, vendor='Intel Corporation', device=
188	pci0:128:5:0(none168), class=base peripheral, vendor='Intel Corporation', device=
189	pci0:128:5:1(none169), class=base peripheral, vendor='Intel Corporation', device=
190	pci0:128:5:2(none170), class=base peripheral, vendor='Intel Corporation', device=
191	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	0xc1000000/0x1000000 BIOS write-through set-by-firmware active
92	0xc2000000/0x2000000 BIOS write-through set-by-firmware active
93	0xc4000000/0x2000000 BIOS write-through set-by-firmware active
94	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"
autoboot_delay="NO"
bootfile="kernel"
comconsole_pcidev=""
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.rsdt="0x7b081028"
hint.acpi.0.xsdt="0x000000007b081080"
hint.acpi.0.xsdt_length="36"
hint.atkbd.0.at="atkbd"
hint.atkbd.0.irq="1"
hint.atkbd.0.at="isa"
hint.atkbd.0.port="0x060"
hint.atrtc.0.at="isa"
hint.atrtc.0.irq="8"
hint.atrtc.0.port="0x70"
hint.attimer.0.at="isa"
hint.attimer.0.irq="0"
hint.attimer.0.port="0x40"
hint.fdc.0.at="fdc0"
hint.fdc.0.drive="0"
hint.fdc.1.at="fdc0"
hint.fdc.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"
hw.mfi.mrsas_enable="1"
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_ifoff="NO"
module_path="/boot/kernel;/boot/modules"
prompt="{interpret}"
smbios.bios.reldate="11/21/2014"
smbios.bios.vendor="American Megatrends Inc."
smbios.bios.version="5.0.4015"
smbios.chassis.maker="NEC"
smbios.chassis.serial="01"
smbios.chassis.tag="-----"
smbios.chassis.version="856-857682-031"
smbios.memory.enabled="134217728"
smbios.planar.maker="MICRO-STAR"
smbios.planar.product="MS-S0901-V"
smbios.planar.serial="EC16255312"
smbios.planar.version="S11"
smbios.socket.enabled="2"
smbios.socket.populated="2"
smbios.system.maker="NEC"
smbios.system.product="Express5800/R120f-1E [N8100-2248Y]"
smbios.system.serial="5200107"
smbios.system.uuid="da398a36-3dbc-e411-8001-448a5bf84ef8"
smbios.system.version="FR1.0"
```

```
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: 9.2-RELEASE
kern.osrevision: 199506
kern.version: FreeBSD 9.2-RELEASE #0 r255898: Thu Sep 26 22:50:31 UTC 2013
root@bake.isc.freebsd.org:/usr/obj/usr/src/sys/GENERIC
kern.maxvnodes: 2112820
kern.maxproc: 6164
kern.maxfiles: 12328
kern.argmax: 262144
kern.securelevel: -1
kern.hostname: navygem.bsdconsulting.co.jp
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 = 1446644471, usec = 785957 } Wed Nov 4 13:41:11 2015
kern.domainname:
kern.osreldate: 902001
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: 0
kern.ipc.maxpipekva: 2145751040
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.shmmax: 536870912
kern.ipc.maxsockets: 25600
kern.ipc.numopensockets: 6
kern.ipc.nsfbufsused: 0
kern.ipc.nsfbufspeak: 0
kern.ipc.nsfbufs: 0
kern.dummy: 0
kern.ps_strings: 140737488351200
kern.usrstack: 140737488351232
kern.logsigexit: 1
kern.iov_max: 1024
kern.hostuid: 00000000-0000-0000-0000-000000000000
kern.cam.sort_io_queues: 1
kern.cam.debug_delay: 0
kern.cam.dflags: 0
kern.cam.boot_delay: 0
kern.cam.pmp.hide_special: 1
kern.cam.pmp.default_timeout: 30
kern.cam.pmp.retry_count: 1
kern.cam.cam_srch_hi: 0
kern.cam.scsi_delay: 5000
kern.cam.cd.timeout: 30000
kern.cam.cd.retry_count: 4
kern.cam.cd.poll_period: 3
```

kern.cam.cd.changer.max_busy_seconds: 15
kern.cam.cd.changer.min_busy_seconds: 5
kern.cam.cd.0.minimum_cmd_size: 6
kern.cam.ada.write_cache: 1
kern.cam.ada.read_ahead: 1
kern.cam.ada.spindown_suspend: 1
kern.cam.ada.spindown_shutdown: 1
kern.cam.ada.send_ordered: 1
kern.cam.ada.default_timeout: 30
kern.cam.ada.retry_count: 4
kern.cam.ada.legacy_aliases: 1
kern.cam.da.send_ordered: 1
kern.cam.da.default_timeout: 60
kern.cam.da.retry_count: 4
kern.cam.da.poll_period: 3
kern.cam.da.0.delete_method: NONE
kern.cam.da.0.delete_max: 65536
kern.cam.da.0.minimum_cmd_size: 10
kern.cam.da.0.sort_io_queue: -1
kern.cam.da.0.error_inject: 0
kern.cam.da.1.delete_method: NONE
kern.cam.da.1.delete_max: 65536
kern.cam.da.1.minimum_cmd_size: 10
kern.cam.da.1.sort_io_queue: -1
kern.cam.da.1.error_inject: 0
kern.cam.enc.emulate_array_devices: 1
kern.tty_pty_warningcnt: 1
kern.disks: da1 da0 cd0
kern.geom.dev.delete_max_sectors: 262144
kern.geom.disk.cd0.led:
kern.geom.disk.da0.led:
kern.geom.disk.da1.led:
kern.geom.inflight_transient_maps: 0
kern.geom.transient_map_soft_failures: 0
kern.geom.transient_map_hard_failures: 0
kern.geom.transient_map_retries: 10
kern.geom.transient_maps: 504
kern.geom.collectstats: 1
kern.geom.debugflags: 0
kern.geom.conftxt: 0 DISK da1 15504900096 512 hd 255 sc 63
kern.geom.confdot: digraph geom {
kern.geom.confxml: <mesh>
kern.geom.label.debug: 0
kern.geom.label.ext2fs.enable: 1
kern.geom.label.iso9660.enable: 1
kern.geom.label.msdosfs.enable: 1
kern.geom.label.ntfs.enable: 1
kern.geom.label.reiserfs.enable: 1
kern.geom.label.ufs.enable: 1
kern.geom.label.ufsid.enable: 1
kern.geom.label.gptid.enable: 1
kern.geom.label.gpt.enable: 1
kern.geom.part.check_integrity: 1
kern.geom.raid.legacy_aliases: 1
kern.geom.raid.idle_threshold: 1000000
kern.geom.raid.name_format: 0
kern.geom.raid.disconnect_on_failure: 1
kern.geom.raid.clean_time: 5
kern.geom.raid.start_timeout: 30
kern.geom.raid.read_err_thresh: 10
kern.geom.raid.debug: 0
kern.geom.raid.aggressive_spare: 0
kern.geom.raid.enable: 1
kern.geom.raid.ddf.enable: 1
kern.geom.raid.intel.enable: 1
kern.geom.raid.jmicron.enable: 1
kern.geom.raid.nvidia.enable: 1
kern.geom.raid.promise.enable: 1
kern.geom.raid.sii.enable: 1
kern.geom.raid.concat.enable: 1
kern.geom.raid.raid0.enable: 1
kern.geom.raid.raid1.enable: 1
kern.geom.raid.raid1.rebuild_meta_update: 1024
kern.geom.raid.raid1.rebuild_cluster_idle: 100
kern.geom.raid.raid1.rebuild_fair_io: 20
kern.geom.raid.raid1.rebuild_slab_size: 1048576
kern.geom.raid.raid1e.enable: 1
kern.geom.raid.raid1e.rebuild_meta_update: 1024
kern.geom.raid.raid1e.rebuild_cluster_idle: 100
kern.geom.raid.raid1e.rebuild_fair_io: 20
kern.geom.raid.raid1e.rebuild_slab_size: 1048576
kern.geom.raid.raid5.enable: 1
kern.elf64.nxstack: 1
kern.elf64.fallback_brand: -1
kern.init_shutdown_timeout: 120
kern.init_path: /sbin/init:/sbin/oinit:/sbin/init.bak:/rescue/init:/stand/sysinstall
kern.acct_suspended: 0
kern.acct_configured: 0
kern.acct_chkfreq: 15
kern.acct_resume: 4
kern.acct_suspend: 2

```

kern.cp_times: 5 0 23 13 24666 2 0 1 0 24685 4 0 4 2 24678 1 0 6 0 24681 41 0 6 13 24628 3 0 30 0 24655 2 0 5 0 24681 2 0 3 0 24683 7 0 2
0 24679 4 0 3 0 24681 3 0 4 0 24681 1 0 9 0 24678 5 0 6 0 24677 3 0 4 0 24681 6 0 6 0 24676 5 0 6 0 24677 4 0 3 0 24681 2 0 2 0 24684 6 0
5 0 24677 3 0 11 0 24674
kern.cp_time: 109 0 139 28 493503
kern.constty_wakeups_per_second: 5
kern.consmgsbuf_size: 8192
kern.consmute: 0
kern.console: ttyv0,/ttyv0,uart,ucom,
kern.openfiles: 43
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: 50001047
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: 642
kern.ktrace.request_pool: 100
kern.ktrace.genio_size: 4096
kern.module_path: /boot/kernel;/boot/modules
kern.malloc_count: 322
kern.fallback_elf_brand: -1
kern.pid_max: 99999
kern.features.scbus: 1
kern.features.ata_cam: 1
kern.features.nfscl: 1
kern.features.nfsd: 1
kern.features.geom_label: 1
kern.features.geom_part_bsd: 1
kern.features.geom_part_ebr_compat: 1
kern.features.geom_part_ebr: 1
kern.features.geom_part_gpt: 1
kern.features.geom_part_mbr: 1
kern.features.kposix_priority_scheduling: 1
kern.features.kdtrace_hooks: 1
kern.features.ktrace: 1
kern.features.compat_freebsd7: 1
kern.features.compat_freebsd6: 1
kern.features.compat_freebsd5: 1
kern.features.compat_freebsd4: 1
kern.features.hwpmc_hooks: 1
kern.features.stack: 1
kern.features.sysv_msg: 1
kern.features.sysv_sem: 1
kern.features.sysv_shm: 1
kern.features.posix_shm: 1
kern.features.inet: 1
kern.features.inet6: 1
kern.features.audit: 1
kern.features.security_mac: 1
kern.features.ffs_snapshot: 1
kern.features.softupdates: 1
kern.features.ufs_acl: 1
kern.features.ufs_quota64: 1
kern.features.ufs_quota: 1

```

kern.features.ufs_gjournal: 1
kern.conftxt: options CONFIG_AUTOGENERATED
kern.maxusers: 384
kern.compiler_version: gcc version 4.2.1 20070831 patched [FreeBSD]
kern.ident: GENERIC
kern.hwpmc.softevents: 16
kern.kstack_pages: 4
kern.shutdown.kproc_shutdown_wait: 60
kern.shutdown.poweroff_delay: 5000
kern.shutdown.show_busybufs: 0
kern.stop_scheduler_on_panic: 1
kern.sync_on_panic: 0
kern.corefile: %N.core
kern.nodump_coredump: 0
kern.coredump: 1
kern.sugid_coredump: 0
kern.sigqueue.alloc_fail: 0
kern.sigqueue.overflow: 0
kern.sigqueue.preallocate: 1024
kern.sigqueue.max_pending_per_proc: 128
kern.forcesigexit: 1
kern.fscale: 2048
kern.timecounter.fast_gettime: 1
kern.timecounter.tick: 1
kern.timecounter.choice: TSC-low(1000) ACPI-fast(900) HPET(950) i8254(0) dummy(-1000000)
kern.timecounter.hardware: TSC-low
kern.timecounter.stepwarnings: 0
kern.timecounter.tc.i8254.mask: 65535
kern.timecounter.tc.i8254.counter: 19903
kern.timecounter.tc.i8254.frequency: 1193182
kern.timecounter.tc.i8254.quality: 0
kern.timecounter.tc.HPET.mask: 4294967295
kern.timecounter.tc.HPET.counter: 1054288870
kern.timecounter.tc.HPET.frequency: 14318180
kern.timecounter.tc.HPET.quality: 950
kern.timecounter.tc.ACPI-fast.mask: 16777215
kern.timecounter.tc.ACPI-fast.counter: 8207778
kern.timecounter.tc.ACPI-fast.frequency: 3579545
kern.timecounter.tc.ACPI-fast.quality: 900
kern.timecounter.tc.TSC-low.mask: 4294967295
kern.timecounter.tc.TSC-low.counter: 1633462576
kern.timecounter.tc.TSC-low.frequency: 1300027034
kern.timecounter.tc.TSC-low.quality: 1000
kern.timecounter.tsc_shift: 1
kern.timecounter.smp_tsc_adjust: 0
kern.timecounter.smp_tsc: 1
kern.timecounter.invariant_tsc: 1
kern.threads.max_threads_hits: 0
kern.threads.max_threads_per_proc: 1500
kern.ccpu: 0
kern.sched.cpusetsize: 8
kern.sched.preemption: 1
kern.sched.topology_spec: <groups>
kern.sched.steal_thresh: 2
kern.sched.steal_idle: 1
kern.sched.balance_interval: 127
kern.sched.balance: 1
kern.sched.affinity: 1
kern.sched.idlespinthresh: 157
kern.sched.idlespins: 10000
kern.sched.static_boost: 152
kern.sched.preempt_thresh: 80
kern.sched.interact: 30
kern.sched.slice: 12
kern.sched.quantum: 94488
kern.sched.name: ULE
kern.devstat.version: 6
kern.devstat.generation: 206
kern.devstat.numdevs: 8
kern.kobj_methodcount: 204
kern.log_wakeups_per_second: 5
kern.msgbuf_show_timestamp: 0
kern.vm_guest: none
kern.sgrowsiz: 131072
kern.maxssiz: 536870912
kern.dflsiz: 8388608
kern.maxdsiz: 34359738368
kern.dfldsiz: 134217728
kern.maxtsiz: 134217728
kern.bio_transient_maxcnt: 1024
kern.maxbcache: 0
kern.maxswzone: 0
kern.msgbufsize: 65536
kern.nswbuf: 256
kern.nbuf: 105931
kern.ncallout: 18508
kern.hz: 1000
kern.msgbuf_clear: 0
kern.msgbuf: rned 6
p4tcc15: <CPU Frequency Thermal Control> on cpu15
est16: <Enhanced SpeedStep Frequency Control> on cpu16


```

est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c460001d00
device_attach: est16 attach returned 6
p4tcc16: <CPU Frequency Thermal Control> on cpu16
est17: <Enhanced SpeedStep Frequency Control> on cpu17
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c460001d00
device_attach: est17 attach returned 6
p4tcc17: <CPU Frequency Thermal Control> on cpu17
est18: <Enhanced SpeedStep Frequency Control> on cpu18
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c460001d00
device_attach: est18 attach returned 6
p4tcc18: <CPU Frequency Thermal Control> on cpu18
est19: <Enhanced SpeedStep Frequency Control> on cpu19
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c460001d00
device_attach: est19 attach returned 6
p4tcc19: <CPU Frequency Thermal Control> on cpu19
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
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 #15 Launched!
SMP: AP CPU #7 Launched!
SMP: AP CPU #5 Launched!
SMP: AP CPU #1 Launched!
SMP: AP CPU #12 Launched!
SMP: AP CPU #6 Launched!
SMP: AP CPU #2 Launched!
SMP: AP CPU #3 Launched!
SMP: AP CPU #11 Launched!
SMP: AP CPU #9 Launched!
SMP: AP CPU #4 Launched!
SMP: AP CPU #10 Launched!
SMP: AP CPU #8 Launched!
SMP: AP CPU #17 Launched!
SMP: AP CPU #14 Launched!
SMP: AP CPU #13 Launched!
SMP: AP CPU #19 Launched!
SMP: AP CPU #16 Launched!
SMP: AP CPU #18 Launched!
Root mount waiting for: usb2 usb1 usb0
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
Root mount waiting for: usb2 usb1
uhub3: 6 ports with 6 removable, self powered
uhub4: 8 ports with 8 removable, self powered
ugen1.3: <American Megatrends Inc.> at usb1
ukbd0: <Keyboard Interface> on usb1
ums0: <Mouse Interface> on usb1
ums0: 3 buttons and [Z] coordinates ID=0
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
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)
da0: quirks=0x2<NO_6_BYTE>
Root mount waiting for: usb2
ugen2.4: <vendor 0x0409> at usb2
uhub5: <vendor 0x0409 product 0x005a, class 9/0, rev 2.00/1.00, addr 4> on usb2
Root mount waiting for: usb2
uhub5: 3 ports with 2 removable, bus powered
ugen2.5: <Topre Corporation> at usb2
ukbd1: <Topre Corporation HHKB Professional, class 0/0, rev 1.10/1.02, addr 5> on usb2
Trying to mount root from ufs:/dev/ufs/FreeBSD_Install [ro,noatime]...
<118>Entropy harvesting:
<118>Starting file system checks:
<118>/dev/ufs/FreeBSD_Install: FILE SYSTEM CLEAN; SKIPPING CHECKS
<118>/dev/ufs/FreeBSD_Install: clean, 46564 free (436 frags, 5766 blocks, 0.1% fragmentation)
<118>Mounting local file systems:
<118>/etc/rc: WARNING: $hostname is not set -- see rc.conf(5).
<118>Starting Network: lo0.
<118>lo0: flags=8049<UP,LOOPBACK,RUNNING,MULTICAST> metric 0 mtu 16384
<118> inet6 ::1 prefixlen 128
<118> inet6 fe80::1%lo0 prefixlen 64 scopeid 0x4

```

```
<118>add net fe80:: gateway ::1
<118>add net ff02:: gateway ::1
<118>add net ::ffff:0.0.0.0: gateway ::1
<118>add net ::0.0.0.0: gateway ::1
<118>eval: cannot create /etc/host.conf: Read-only file system
<118>eval: cannot create /etc/host.conf: Read-only file system
<118>eval: cannot create /etc/host.conf: Read-only file system
<118>ELF ldconfig path: /lib /usr/lib /usr/lib/compat
<118>32-bit compatibility ldconfig path: /usr/lib32
<118>Starting local daemons: [1;25r[m[41[?1h=[39;49m[m[H[2J[16B[36m[44m[1m][H FreeBSD Installer[K
<118> [37m[47m[0x[0B[m[30m[47m Choose optional system components to install: (0x[B[30m[40m[1m [36m[44m[K
<118> [SD[39;49m[m[?1h=[?1h=[5;17H[37m[47m[0[1mlqqqqqqqqqqq[B[34m[47mPartition Scheme[37m[47m[0qqqqqqqqqqqqq[m[30m[47m[0k[39;49m[B[m
[6;17H[30m[47m[0[37m[47m[1mx[0B[m[30m[47m Select a partition scheme for this (0x[B[30m[40m[1m [7;17H[37m[47m[0x[B[m[30m[47m
volume: (0x[B[30m[40m[1m [8;17H[37m[47m[0x[B[m[30m[47m [0lqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq[37m
[47m[1mk[B[m[30m[47m (0x[B[30m[40m[1m [9;17H[37m[47m[0x[B[m[30m[47m (0x[B [31m[47mA[34m[47m[1mPM[m[30m[47m Apple Partition
Map [37m[47m[0[1mx[39;49m[B[m[10;17H[37m[47m[0[1mx[B[m[30m[47m (0x[B [31m[47mB[34m[47m[1mSD[m[30m[47m BSD
Labels [37m[47m[0[1mx[39;49m[B[m[11;17H[37m[47m[0[1mx[B[m[30m[47m (0x[B [31m[44m[1mG[33m[44mPT[m[30m[47m [37m[44m
[1mGUID Partition Table[m[30m[47m [37m[47m[0[1mx[39;49m[B[m[12;17H[37m[47m[0[1mx[B[m[30m[47m (0x[B [31m[47mM[34m[47m[1mBR[m[30m
[47m DOS Partitions [37m[47m[0[1mx[39;49m[B[m[13;17H[37m[47m[0[1mx[B[m[30m[47m (0x[B [31m[47mP[34m[47m[1mC98[m[30m
[47m NEC PC9801 Partition Table [37m[47m[0[1mx[39;49m[B[m[14;17H[37m[47m[0[1mx[B[m[30m[47m (0x[B [31m[47mV[34m[47m[1mT0C8[m[30m[47m
Sun VTOC8 Partition Table [37m[47m[0[1mx[B[m[30m[47m (0x[39;49m[B[m[15;17H[37m[47m[0[1mx[B[m[30m[47m (0m[37m[47m
[1mqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq[39;49m[B[m[16;17H[37m[47m[0[1mx[B[m[30m[47m (0x
[39;49m[B[m[17;17H[30m[47m[0[37m[47m[1mx[B[m[30m[47m (0x[39;49m[B[m[18;17H[30m[47m[0[37m[47m
[1mtqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq[30m[47m[0u[B[30m[40m[1m [19;17H[37m[47m[0x[B[m[30m
[47m (0x[B[30m[40m[1m [20;17H[37m[47m[0m[m[30m[47m[0qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqj
[B[30m[40m[1m [21;19H
<118> [37m[47m[0x[0B[m[30m[47m Choose optional system components to install: (0x[B[30m[40m[1m [36m[44m[K
<118> [30m[40m [36m[44m[K[14;25H[39;49m[m[4A[30m[47mWelcome to FreeBSD! Would you
[11;24Hlike to begin an installation[12;24Hor use the live CD?[14;25H[39;49m[m[30m[47m[31m[47mI[30m[47m[1mInstall[m[30m[47m[37m[44m[1m<
[33m[44m [37m[44mS[33m[44mhell [37m[44mS[7D[39;49m[m[30m[47m[31m [m[31m[47mS[30m[47m[1mhell [m[30m[47m[37m[44m[1m<L[33m[44mive CD[37m
[44m[14;45H[39;49m[m[16;59H[25;1H[?1l>Updating motd: /etc/motd is not writable, update failed.
<118>Configuring syscons: blanktime.
<118>Wed Nov 4 13:42:55 UTC 2015
<118>Nov 4 13:43:48 login: ROOT LOGIN (root) ON ttyv0
ugen2.6: <UFD 2.0> at usb2
umass1: <UFD 2.0 Silicon-Power16G, class 0/0, rev 2.00/1.00, addr 6> on usb2
umass1: SCSI over Bulk-Only; quirks = 0x4100
umass1:7:1:-1: Attached to scbus7
da1: <UFD 2.0 Silicon-Power16G PMAP> Removable Direct Access SCSI-4 device
da1: 40.00MB/s transfers
da1: 14786MB (30283008 512 byte sectors: 255H 63S/T 1885C)
da1: quirks=0x2<NO_6_BYTE>
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: 20
kern.smp.disabled: 0
kern.smp.active: 1
kern.smp.maxcpus: 64
kern.smp.maxid: 19
kern.tty_inq_flush_secure: 1
kern.tty_nout: 64093
kern.tty_nin: 299
kern.minvnodes: 528205
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
vm.vmtotal:
System wide totals computed every five seconds: (values in kilobytes)
Processes: (RUNQ: 1 Disk Wait: 0 Page Wait: 0 Sleep: 15)
Virtual Memory: (Total: 1079591648K Active: 252004K)
Real Memory: (Total: 252128K Active: 15432K)
Shared Virtual Memory: (Total: 1928K Active: 1928K)
Shared Real Memory: (Total: 1700K Active: 1700K)
Free Memory: 129554500K
vm.loadavg: { 0.09 0.24 0.13 }
vm.v_free_min: 205035
vm.v_free_target: 862542
vm.v_free_reserved: 42402
vm.v_inactive_target: 1293813
vm.v_cache_min: 862542
vm.v_cache_max: 1725084
vm.v_pageout_free_min: 34
vm.pageout_algorithm: 0
vm.swap_enabled: 1
vm.md_malloc_wait: 0
vm.kmem_map_free: 133109436416
vm.kmem_map_size: 120541184
vm.kmem_size_scale: 1
vm.kmem_size_max: 329853485875
vm.kmem_size_min: 0
vm.kmem_size: 133229977600
vm.nswapdev: 0
vm.dmmmax: 32
vm.swap_async_max: 4
```

```

vm.overcommit: 0
vm.swap_reserved: 198029312
vm.swap_total: 0
vm.zone_count: 91
vm.swap_idle_threshold2: 10
vm.swap_idle_threshold1: 2
vm.kstacks: 394
vm.kstack_cache_size: 128
vm.exec_map_entries: 16
vm.stats.misc.zero_page_count: 31
vm.stats.misc.cnt_prezero: 0
vm.stats.vm.v_kthreadpages: 0
vm.stats.vm.v_rforkpages: 0
vm.stats.vm.v_vforkpages: 64501
vm.stats.vm.v_forkpages: 252554
vm.stats.vm.v_kthreads: 17
vm.stats.vm.v_rforks: 0
vm.stats.vm.v_vforks: 127
vm.stats.vm.v_forks: 498
vm.stats.vm.v_interrupt_free_min: 2
vm.stats.vm.v_pageout_free_min: 34
vm.stats.vm.v_cache_max: 1725084
vm.stats.vm.v_cache_min: 862542
vm.stats.vm.v_cache_count: 0
vm.stats.vm.v_inactive_count: 2590
vm.stats.vm.v_inactive_target: 1293813
vm.stats.vm.v_active_count: 2551
vm.stats.vm.v_wire_count: 133009
vm.stats.vm.v_free_count: 32388623
vm.stats.vm.v_free_min: 205035
vm.stats.vm.v_free_target: 862542
vm.stats.vm.v_free_reserved: 42402
vm.stats.vm.v_page_count: 32526850
vm.stats.vm.v_page_size: 4096
vm.stats.vm.v_tfree: 156525
vm.stats.vm.v_pfree: 31164
vm.stats.vm.v_dfree: 0
vm.stats.vm.v_tcached: 0
vm.stats.vm.v_pdpages: 0
vm.stats.vm.v_pdwakeup: 0
vm.stats.vm.v_reactivated: 0
vm.stats.vm.v_intrans: 0
vm.stats.vm.v_vnodepgsout: 0
vm.stats.vm.v_vnodepgsin: 1806
vm.stats.vm.v_vnodeout: 0
vm.stats.vm.v_vnodein: 286
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: 22348
vm.stats.vm.v_cow_optim: 72
vm.stats.vm.v_cow_faults: 20166
vm.stats.vm.v_vm_faults: 76214
vm.stats.sys.v_soft: 15133
vm.stats.sys.v_intr: 14930
vm.stats.sys.v_syscall: 65145
vm.stats.sys.v_trap: 49283
vm.stats.sys.v_swch: 126166
vm.stats.object.bypasses: 109
vm.stats.object.collapses: 1509
vm.v_free_severe: 123718
vm.old_mlock: 1
vm.old_msync: 0
vm.tryrelock_restart: 0
vm.boot_pages: 64
vm.max_wired: 10802709
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: 862542
vm.max_laundry: 32
vm.phys_segs:
SEGMENT 0:
start: 0x10000
end: 0x9a000
domain: 0
free list: 0xffffffff8142e328
SEGMENT 1:
start: 0x100000
end: 0x200000
domain: 0
free list: 0xffffffff8142e328
SEGMENT 2:
start: 0x17e6000
end: 0x7aab1000
domain: 0

```

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free list: 0xffffffff8142df80
SEGMENT 3:
start:    0x7bd5d000
end:      0x7bd5e000
domain:   0
free list: 0xffffffff8142df80
SEGMENT 4:
start:    0x7bde4000
end:      0x7c000000
domain:   0
free list: 0xffffffff8142df80
SEGMENT 5:
start:    0x100000000
end:      0x1f8bb90000
domain:   0
free list: 0xffffffff8142df80
vm.phys_free:
FREE LIST 0:
FREE LIST 1:
vm.reserv.reclaimed: 0
vm.reserv.partpopq:
-1: 62188K, 36
vm.reserv.freed: 1589
vm.reserv.broken: 16
vm.idlezero_enable: 0
vm.kvm_free: 410978873344
vm.kvm_size: 549755809792
vm.pmap.pde.demotions: 3
vm.pmap.pde.promotions: 88
vm.pmap.pde.p_failures: 25614
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: 26602
vfs.ufs.dirhash_maxmem: 27111424
vfs.ufs.dirhash_minsize: 2560
vfs.ufs.rename_restarts: 0
vfs.nfs.downdelayinitial: 12
vfs.nfs.downdelayinterval: 30
vfs.nfs.keytab_encytype: 1
vfs.nfs.skip_wcc_data_onerr: 1
vfs.nfs.nfs3_jukebox_delay: 10
vfs.nfs.reconnects: 0
vfs.nfs.bufpackets: 4
vfs.nfs.debuglevel: 0
vfs.nfs.callback_addr:
vfs.nfs.realign_count: 0
vfs.nfs.realign_test: 0
vfs.nfs.nfs_directio_allow_mmap: 1
vfs.nfs.nfs_keep_dirty_on_error: 0
vfs.nfs.nfs_directio_enable: 0
vfs.nfs.clean_pages_on_close: 1
vfs.nfs.commit_on_close: 0
vfs.nfs.prime_access_cache: 0
vfs.nfs.access_cache_timeout: 60
vfs.nfs.diskless_rootpath:
vfs.nfs.diskless_valid: 0
vfs.nfs.nfs_ip_paranoia: 1
vfs.nfs.defect: 0
vfs.nfs.iodmax: 20
vfs.nfs.iodmin: 0
vfs.nfs.iodmaxidle: 120
vfs.devfs.rule_depth: 1
vfs.devfs.generation: 142
vfs.nfsd.disable_checkutf8: 0
vfs.nfsd.server_max_nfsvers: 4
vfs.nfsd.server_min_nfsvers: 2
vfs.nfsd.nfs_privport: 0
vfs.nfsd.async: 0
vfs.nfsd.enable_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.nfsd.fha.enable: 1
vfs.nfsd.fha.bin_shift: 22
vfs.nfsd.fha.max_nfsds_per_fh: 8
vfs.nfsd.fha.max_reqs_per_nfsd: 0

```

vfs.nfsd.fha.fhe_stats: No file handle entries.
vfs.pfs.trace: 0
vfs.pfs.vncache.misses: 0
vfs.pfs.vncache.hits: 0
vfs.pfs.vncache.maxentries: 0
vfs.pfs.vncache.entries: 0
vfs.acl_nfs4_old_semantics: 0
vfs.flushwithdeps: 0
vfs.unmapped_buf_allowed: 1
vfs.barrierwrites: 0
vfs.notbufdflashes: 0
vfs.flushbufqtarget: 100
vfs.mappingrestarts: 0
vfs.getnewbufrestarts: 0
vfs.getnewbufcalls: 2338
vfs.hifreebuffers: 11780
vfs.lofreebuffers: 5890
vfs.numfreebuffers: 105913
vfs.dirtybufthresh: 23851
vfs.hidirtybuffers: 26502
vfs.lodirtybuffers: 13251
vfs.numdirtybuffers: 10
vfs.recursiveflushes: 0
vfs.altbufferflushes: 0
vfs.bdwriteskip: 0
vfs.dirtybufferflushes: 0
vfs.hirunningspace: 16777216
vfs.lorunningspace: 11206656
vfs.bufdefragcnt: 0
vfs.buffreekvacnt: 7
vfs.bufreuscnt: 2310
vfs.hibufspace: 1734918144
vfs.lobufspace: 1734852608
vfs.maxmallocbufspace: 86745907
vfs.bufmalloospace: 0
vfs.maxbufspace: 1735573504
vfs.unmapped_bufspace: 2924544
vfs.bufspace: 37003264
vfs.runningbufspace: 65536
vfs.vmiorenable: 1
vfs.cache.numfullpathfound: 8
vfs.cache.numfullpathfail4: 0
vfs.cache.numfullpathfail2: 0
vfs.cache.numfullpathfail1: 0
vfs.cache.numfullpathcalls: 8
vfs.cache.numupgrades: 1
vfs.cache.numneghits: 1168
vfs.cache.numnegzaps: 23
vfs.cache.numposhits: 13618
vfs.cache.numposzaps: 32
vfs.cache.nummisszap: 4
vfs.cache.nummiss: 1002
vfs.cache.numchecks: 14843
vfs.cache.dotdothits: 10
vfs.cache.dothits: 214
vfs.cache.numcalls: 16075
vfs.cache.numcache: 435
vfs.cache.numneg: 27
vfs.ncsizefactor: 2
vfs.ncnegfactor: 16
vfs.read_min: 1
vfs.read_max: 64
vfs.write_behind: 1
vfs.typenumhash: 1
vfs.lookup_shared: 1
vfs.usermount: 0
vfs.worklist_len: 5
vfs.timestamp_precision: 0
vfs.reassignbufcalls: 632
vfs.vlru_allow_cache_src: 0
vfs.freevnodes: 31
vfs.wantfreevnodes: 528205
vfs.numvnodes: 468
vfs.ffi.doreallocblks: 1
vfs.ffi.doasyncfree: 1
vfs.ffi.compute_summary_at_mount: 0
net.local.stream.recvspace: 8192
net.local.stream.sendspace: 8192
net.local.dgram.recvspace: 4096
net.local.dgram.maxdgram: 2048
net.local.seqpacket.recvspace: 8192
net.local.seqpacket.maxseqpacket: 8192
net.local.taskcount: 0
net.local.recycled: 0
net.local.deferred: 0
net.local.inflight: 0
net.inet.ip.portrange.randomtime: 45
net.inet.ip.portrange.randomcps: 10
net.inet.ip.portrange.randomized: 1
net.inet.ip.portrange.reservedlow: 0
net.inet.ip.portrange.reservedhigh: 1023

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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.rtmxcache: 128
net.inet.ip.sourceroute: 0
net.inet.ip.intr_queue_maxlen: 256
net.inet.ip.intr_queue_drops: 0
net.inet.ip.accept_sourceroute: 0
net.inet.ip.keepfaith: 0
net.inet.ip.gifttl: 30
net.inet.ip.same_prefix_carp_only: 0
net.inet.ip.random_id_total: 0
net.inet.ip.random_id_collisions: 0
net.inet.ip.random_id_period: 8192
net.inet.ip.mcast.loop: 1
net.inet.ip.mcast.maxsocksrc: 128
net.inet.ip.mcast.maxgrpsrc: 512
net.inet.ip.fastforwarding: 0
net.inet.ip.maxfragpackets: 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.drop_redirect: 0
net.inet.icmp.bmcastecho: 0
net.inet.icmp.quotelen: 8
net.inet.icmp.reply_from_interface: 0
net.inet.icmp.reply_src: 0
net.inet.icmp.log_redirect: 0
net.inet.icmp.maskfake: 0
net.inet.icmp.icmplim_output: 1
net.inet.igmp.gsrdelay: 10
net.inet.igmp.default_version: 3
net.inet.igmp.legacysupp: 0
net.inet.igmp.v2enable: 1
net.inet.igmp.v1enable: 1
net.inet.igmp.sendlocal: 1
net.inet.igmp.sendra: 1
net.inet.igmp.recvifkludge: 1
net.inet.tcp.rfc1323: 1
net.inet.tcp.mssdflt: 536
net.inet.tcp.keeidle: 7200000
net.inet.tcp.keeintvl: 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: 0
net.inet.tcp.hostcache.bucketlimit: 30
net.inet.tcp.hostcache.hashsize: 512
net.inet.tcp.hostcache.cachelimit: 15360
net.inet.tcp.recvbuf_max: 2097152
net.inet.tcp.recvbuf_inc: 16384
net.inet.tcp.recvbuf_auto: 1
net.inet.tcp.insecure_rst: 0
net.inet.tcp.ecn.maxretries: 1
net.inet.tcp.ecn.enable: 0
net.inet.tcp.abc_l_var: 2
net.inet.tcp.rfc3465: 1
net.inet.tcp.experimental.initcwnd10: 0
net.inet.tcp.rfc3390: 1
net.inet.tcp.rfc3042: 1
net.inet.tcp.drop_synfin: 0
net.inet.tcp.delayed_ack: 1
net.inet.tcp.blackhole: 0
net.inet.tcp.log_in_vain: 0
net.inet.tcp.sendbuf_max: 2097152
net.inet.tcp.sendbuf_inc: 8192
net.inet.tcp.sendbuf_auto: 1
net.inet.tcp.tso: 1
net.inet.tcp.path_mtu_discovery: 1
net.inet.tcp.reass.overflow: 0
net.inet.tcp.reass.cursgments: 0
```

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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: 0
net.inet.tcp.do_tcpdrain: 1
net.inet.tcp.tcbhashsize: 512
net.inet.tcp.log_debug: 0
net.inet.tcp.minmss: 216
net.inet.tcp.syncache.rst_on_sock_fail: 1
net.inet.tcp.syncache.rexmtlimit: 3
net.inet.tcp.syncache.hashsize: 512
net.inet.tcp.syncache.count: 0
net.inet.tcp.syncache.cachelimit: 15375
net.inet.tcp.syncache.bucketlimit: 30
net.inet.tcp.syncookies_only: 0
net.inet.tcp.syncookies: 1
net.inet.tcp.timer_race: 0
net.inet.tcp.per_cpu_timers: 0
net.inet.tcp.rexmit_drop_options: 1
net.inet.tcp.keepcnt: 8
net.inet.tcp.finwait2_timeout: 60000
net.inet.tcp.fast_finwait2_recycle: 0
net.inet.tcp.always_keepalive: 1
net.inet.tcp.rexmit_slop: 200
net.inet.tcp.rexmit_min: 30
net.inet.tcp.msl: 30000
net.inet.tcp.nolocaltimewait: 0
net.inet.tcp.maxtcptw: 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.incoming_streams: 2048
net.inet.sctp.add_more_on_output: 1452
net.inet.sctp.path_pf_threshold: 65535
net.inet.sctp.path_rtx_max: 5
net.inet.sctp.assoc_rtx_max: 10
net.inet.sctp.init_rtx_max: 8
net.inet.sctp.valid_cookie_life: 60000
net.inet.sctp.init_rto_max: 60000
net.inet.sctp.rto_initial: 3000
net.inet.sctp.rto_min: 1000
net.inet.sctp.rto_max: 60000
net.inet.sctp.secret_lifetime: 3600
net.inet.sctp.shutdown_guard_time: 180
net.inet.sctp.pmtu_raise_time: 600
net.inet.sctp.heartbeat_interval: 30000
net.inet.sctp.asoc_resource: 10
net.inet.sctp.sys_resource: 1000
net.inet.sctp.sack_freq: 2
net.inet.sctp.delayed_sack_time: 200
```

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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: 4
net.link.ether.inet.allow_multicast: 0
net.link.ether.inet.log_arp_permanent_modify: 1
net.link.ether.inet.log_arp_movements: 1
net.link.ether.inet.log_arp_wrong_iface: 1
net.link.ether.inet.maxhold: 1
net.link.ether.inet.wait: 20
net.link.ether.inet.proxyall: 0
net.link.ether.inet.useloopback: 1
net.link.ether.inet.maxtries: 5
net.link.ether.inet.max_age: 1200
net.link.ether.ipfw: 0
net.link.vlan.soft_pad: 0
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.rtmaxcache: 128
net.inet6.ip6.use_tempaddr: 0
net.inet6.ip6.templtime: 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.errrpslimit: 100
net.inet6.icmp6.nd6_maxnudhint: 0
net.inet6.icmp6.nd6_debug: 0
net.inet6.icmp6.nd6_maxqueue: 1
net.inet6.icmp6.nodeinfo_oldmcprefix: 1
net.inet6.icmp6.nd6_onlink_ns_rfc4861: 0
net.inet6.mld.use_allow: 1
net.inet6.mld.vlenable: 1
net.inet6.mld.gsrdelay: 10
net.bpf.optimize_writers: 0
net.bpf.zerocopy_enable: 0
net.bpf.maxinsns: 512
net.bpf.maxbufsize: 524288
net.bpf.bufsize: 4096
net.ifdescr_maxlen: 1024
net.isr.numthreads: 1
net.isr.maxprot: 16
net.isr.defaultqlimit: 256
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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.pollled: 0
debug.acpi.ec.burst: 0
debug.acpi.batt.batt_sleep_ms: 0
debug.acpi.resume_beeper: 0
debug.ipw: 0
debug.iwi: 0
debug.mddebug: 0
debug.wpi: 0
debug.elf64_legacy_core_dump: 0
debug.bootverbose: 0
debug.boothowto: 0
debug.cpubufreq.verbose: 0
debug.cpubufreq.lowest: 0
debug.fail_point.sysctl_running: off
debug.fail_point.buf_pressure: off
debug.fail_point.nlm_deny_grant: off
debug.adaptive_machine_arch: 1
debug.sizeof.cdev_priv: 376
debug.sizeof.cdev: 288
debug.sizeof.g_biq: 56
debug.sizeof.g_consumer: 96
debug.sizeof.g_provider: 136
debug.sizeof.g_geom: 160
debug.sizeof.g_class: 160
debug.sizeof.kinfo_proc: 1088
debug.sizeof.buf: 616
debug.sizeof.bio: 248
debug.sizeof.proc: 1192
debug.sizeof.vnode: 504
debug.sizeof.devstat: 288
debug.sizeof.namecache: 72
debug.osd: 0
debug.trace_on_panic: 1
debug.debugger_on_panic: 1
debug.ncores: 5
debug.to_avg_mpcalls: 256
debug.to_avg_lockcalls: 1
debug.to_avg_gcalls: 489
debug.to_avg_depth: 1003
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.iosize_max_clamp: 1
debug.disablefullpath: 0
debug.disablecwd: 0
debug.vfscache: 1
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debug.numcachehv: 39
debug.numcache: 435
debug.numneg: 27
debug.nchash: 4194303
debug.vnlru_nowhere: 0
debug.rush_requests: 0
debug.vn_io_faults: 0
debug.vn_io_fault_enable: 0
debug.if_tun_debug: 0
debug.nlm_debug: 0
debug.fsckcmds: 0
debug.collectsnapstats: 0
debug.snapdebug: 0
debug.dopersistence: 0
debug.softdep.flushcache: 0
debug.softdep.cleanup_failures: 0
debug.softdep.cleanup_retries: 0
debug.softdep.cleanup_high_delay: 0
debug.softdep.cleanup_inorequests: 0
debug.softdep.cleanup_blkrequests: 0
debug.softdep.jwait_newblk: 0
debug.softdep.jwait_inode: 0
debug.softdep.jwait_freeblks: 0
debug.softdep.jwait_filepage: 0
debug.softdep.journal_wait: 0
debug.softdep.journal_min: 0
debug.softdep.journal_low: 0
debug.softdep.jnewblk_rollback: 0
debug.softdep.jaddrf_rollback: 0
debug.softdep.dir_entry: 0
debug.softdep.direct_blk_ptrs: 0
debug.softdep.inode_bitmap: 0
debug.softdep.indir_blk_ptrs: 0
debug.softdep.sync_limit_hit: 0
debug.softdep.ino_limit_hit: 0
debug.softdep.blk_limit_hit: 0
debug.softdep.ino_limit_push: 0
debug.softdep.blk_limit_push: 0
debug.softdep.worklist_push: 0
debug.softdep.maxindirdeps: 50
debug.softdep.tickdelay: 2
debug.softdep.max_softdeps: 8451280
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.jmhref: 0
debug.softdep.write.jmhref: 0
debug.softdep.write.jaddrf: 0
debug.softdep.write.freedep: 0
debug.softdep.write.freework: 0
debug.softdep.write.newdirblk: 0
debug.softdep.write.dirrem: 0
debug.softdep.write.mkdir: 0
debug.softdep.write.diradd: 0
debug.softdep.write.freefile: 0
debug.softdep.write.freeblks: 0
debug.softdep.write.freefrag: 0
debug.softdep.write.allocindir: 0
debug.softdep.write.indirdep: 0
debug.softdep.write.allocdirect: 0
debug.softdep.write.newblk: 0
debug.softdep.write.bmsafemap: 0
debug.softdep.write.inodedep: 0
debug.softdep.write.pagedep: 0
debug.softdep.current.jfsync: 0
debug.softdep.current.jtrunc: 0
debug.softdep.current.sbdep: 0
debug.softdep.current.jsegdep: 0
debug.softdep.current.jseg: 0
debug.softdep.current.jfreefrag: 0
debug.softdep.current.jfreeblk: 0
debug.softdep.current.jnewblk: 0
debug.softdep.current.jmhref: 0
debug.softdep.current.jmhref: 0
debug.softdep.current.jaddrf: 0
debug.softdep.current.freedep: 0
debug.softdep.current.freework: 0
debug.softdep.current.newdirblk: 0
debug.softdep.current.dirrem: 0
debug.softdep.current.mkdir: 0
debug.softdep.current.diradd: 0
debug.softdep.current.freefile: 0
debug.softdep.current.freeblks: 0
debug.softdep.current.freefrag: 0
debug.softdep.current.allocindir: 0
debug.softdep.current.indirdep: 0

debug.softdep.current.allocdirect: 0
debug.softdep.current.newblk: 0
debug.softdep.current.bmsafemap: 0
debug.softdep.current.inodedep: 0
debug.softdep.current.pagedep: 0
debug.softdep.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.jmhref: 0
debug.softdep.total.jmhref: 0
debug.softdep.total.jaddref: 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
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 E5-2660 v3 @ 2.60GHz
hw.ncpu: 20
hw.byteorder: 1234
hw.physmem: 137328271360
hw.usermem: 136783450112
hw.pagesize: 4096
hw.floatingpoint: 1
hw.machine_arch: amd64
hw.realmem: 139586437120
hw.aac.enable_msi: 1
hw.amr.force_sg32: 0
hw.an.an_cache_iponly: 1
hw.an.an_cache_mcastonly: 0
hw.an.an_cache_mode: dbm
hw.an.an_dump: off
hw.ata.ata_dma_check_80pin: 1
hw.ath.bstuck: 4
hw.ath.txbuf: 200
hw.ath.rxbuf: 40
hw.ath.anical: 100
hw.ath.resetcal: 1200
hw.ath.shortcal: 100
hw.ath.longcal: 30
hw.bce.rx_ticks: 18
hw.bce.rx_ticks_int: 18
hw.bce.rx_quick_cons_trip: 6
hw.bce.rx_quick_cons_trip_int: 6
hw.bce.tx_ticks: 80
hw.bce.tx_ticks_int: 80
hw.bce.tx_quick_cons_trip: 20
hw.bce.tx_quick_cons_trip_int: 20
hw.bce.loose_rx_mtu: 0
hw.bce.hdr_split: 1
hw.bce.tx_pages: 2
hw.bce.rx_pages: 2
hw.bce.msi_enable: 1

hw.bce.tso_enable: 1
hw.bce.verbose: 1
hw.bge.allow_asf: 1
hw.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.buf_ring_size: 4096
hw.igb.max_interrupt_rate: 8000
hw.igb.enable_msix: 1
hw.igb.enable_atm: 1
hw.igb.txd: 1024
hw.igb.rxd: 1024
hw.malo.txbuf: 256
hw.malo.rxquota: 256
hw.malo.rxbuf: 256
hw.malo.txcoalesce: 8
hw.malo.pci.msi_disable: 0
hw.mfi.cmd_timeout: 30
hw.mfi.polled_cmd_timeout: 60
hw.mfi.detect_jbod_change: 1
hw.mfi.max_cmds: 128
hw.mfi.event_class: 0
hw.mfi.event_locale: 65535
hw.mfi.msi: 1
hw.mwl.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.reallocBars: 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.broken_txfifo: 0
hw.usb.uaudio.default_channels: 0
hw.usb.uaudio.default_bits: 32
hw.usb.uaudio.default_rate: 0
hw.usb.uaudio.debug: 0
hw.usb.ehci.lostintrbug: 0
hw.usb.ehci.iaadbug: 0
hw.usb.ehci.no_hs: 0
hw.usb.ehci.debug: 0
hw.usb.ohci.debug: 0
hw.usb.uhci.loop: 0
hw.usb.uhci.debug: 0
hw.usb.xhci.xhci_port_route: 0
hw.usb.xhci.debug: 0
hw.usb.no_shutdown_wait: 0
hw.usb.no_suspend_wait: 0
hw.usb.no_boot_wait: 0
hw.usb.ctrl.debug: 0
hw.usb.umass.throttle: 0
hw.usb.umass.debug: 0
hw.usb.urio.debug: 0
hw.usb.timings.extra_power_up_time: 20
hw.usb.timings.resume_recovery: 50
hw.usb.timings.resume_wait: 50
hw.usb.timings.resume_delay: 250
hw.usb.timings.set_address_settle: 10
hw.usb.timings.port_resume_delay: 40
hw.usb.timings.port_powerup_delay: 300
hw.usb.timings.port_reset_recovery: 250
hw.usb.timings.port_root_reset_delay: 250
hw.usb.timings.port_reset_delay: 50
hw.usb.debug: 0
hw.usb.dev.debug: 0
hw.usb.usb_lang_mask: 255
hw.usb.usb_lang_id: 9
hw.usb.template: 0
hw.usb.ugen.debug: 0
hw.usb.power_timeout: 30
hw.usb.uhub.debug: 0
hw.usb.no_pf: 0
hw.usb.proc.debug: 0
hw.usb.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.uvscm.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: 33527410
hw.bus.devctl_queue: 1000
hw.bus.devctl_disable: 0
hw.clockrate: 2600
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: 9587
hw.bsdma.zone0.total_bpages: 8197
hw.bsdma.zone0.free_bpages: 8197
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: 0xfffffffffffff
hw.bsdma.zone0.alignment: 4096
hw.bsdma.zone1.total_bpages: 1390
hw.bsdma.zone1.free_bpages: 1390
hw.bsdma.zone1.reserved_bpages: 0
hw.bsdma.zone1.active_bpages: 0
hw.bsdma.zone1.total_bounced: 0
hw.bsdma.zone1.total_deferred: 0
hw.bsdma.zone1.lowaddr: 0xffffffff
hw.bsdma.zone1.alignment: 4096
hw.apic.enable_extint: 0
hw.mca.erratum383: 0
hw.mca.amd10h_L1TP: 1
hw.mca.enabled: 1
hw.mca.count: 0
hw.mca.interval: 3600
hw.mca.force_scan: 0
hw.mca.cmc_throttle: 60
hw.acpi.supported_sleep_state: S4 S5
hw.acpi.power_button_state: S5
hw.acpi.sleep_button_state: S4
hw.acpi.lid_switch_state: NONE
hw.acpi.standby_state: NONE
hw.acpi.suspend_state: NONE
hw.acpi.sleep_delay: 1
hw.acpi.s4bios: 0
hw.acpi.verbose: 0
hw.acpi.disable_on_reboot: 0
hw.acpi.handle_reboot: 1
hw.acpi.reset_video: 0
hw.acpi.cpu.cx_lowest: C1
machdep.acpi_timer_freq: 3579545
machdep.enable_panic_key: 0
machdep.rtc_save_period: 1800
machdep.wall_cmos_clock: 0
machdep.adjkerntz: 0
machdep.disable_rtc_set: 0
machdep.disable_mtrrs: 0
machdep.idle: acpi
machdep.idle_available: spin, mwait, hlt, acpi
machdep.idle_mwait: 1
machdep.max_ldt_segment: 1024
machdep.uprintf_signal: 0
machdep.prot_fault_translation: 0
machdep.panic_on_nmi: 1
machdep.kdb_on_nmi: 1
machdep.acpi_root: 984368
machdep.i8254_freq: 1193182
machdep.tsc_freq: 2600054068
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

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p1003_1b.mapped_files: 200112
p1003_1b.memlock: 0
p1003_1b.memlock_range: 0
p1003_1b.memory_protection: 0
p1003_1b.message_passing: 0
p1003_1b.prioritized_io: 0
p1003_1b.priority_scheduling: 200112
p1003_1b.realtime_signals: 200112
p1003_1b.semaphores: 0
p1003_1b.fsync: 200112
p1003_1b.shared_memory_objects: 200112
p1003_1b.synchronized_io: 0
p1003_1b.timers: 200112
p1003_1b.aio_listio_max: -1
p1003_1b.aio_max: -1
p1003_1b.aio_prio_delta_max: -1
p1003_1b.delaytimer_max: 2147483647
p1003_1b.mq_open_max: 0
p1003_1b.pagesize: 4096
p1003_1b.rtsig_max: 62
p1003_1b.sem_nsems_max: 0
p1003_1b.sem_value_max: 0
p1003_1b.sigqueue_max: 128
p1003_1b.timer_max: 32
security.jail.param.allow.mount.zfs: 0
security.jail.param.allow.mount.procfs: 0
security.jail.param.allow.mount.nullfs: 0
security.jail.param.allow.mount.devfs: 0
security.jail.param.allow.mount.: 0
security.jail.param.allow.socket_af: 0
security.jail.param.allow.quotas: 0
security.jail.param.allow.chflags: 0
security.jail.param.allow.raw_sockets: 0
security.jail.param.allow.sysvipc: 0
security.jail.param.allow.set_hostname: 0
security.jail.param.ip6.saddrsel: 0
security.jail.param.ip6.: 0
security.jail.param.ip4.saddrsel: 0
security.jail.param.ip4.: 0
security.jail.param.cpuset.id: 0
security.jail.param.host.hostid: 0
security.jail.param.host.hostuid: 64
security.jail.param.host.domainname: 256
security.jail.param.host.hostname: 256
security.jail.param.host.: 0
security.jail.param.children.max: 0
security.jail.param.children.cur: 0
security.jail.param.dying: 0
security.jail.param.persist: 0
security.jail.param.devfs_ruleset: 0
security.jail.param.enforce_stats: 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_stats: 2
security.jail.mount_zfs_allowed: 0
security.jail.mount_procfs_allowed: 0
security.jail.mount_nullfs_allowed: 0
security.jail.mount_devfs_allowed: 0
security.jail.mount_allowed: 0
security.jail.chflags_allowed: 0
security.jail.allow_raw_sockets: 0
security.jail.sysvipc_allowed: 0
security.jail.socket_unixiproute_only: 1
security.jail.set_hostname_allowed: 1
security.jail.jail_max_af_ips: 255
security.jail.vnet: 0
security.jail.jailed: 0
security.bsd.map_at_zero: 0
security.bsd.unprivileged_mlock: 0
security.bsd.suser_enabled: 1
security.bsd.unprivileged_proc_debug: 1
security.bsd.conservative_signals: 1
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

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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 0680
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.%npninfo: _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.%npninfo: _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.%npninfo: _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.%npninfo: _HID=none _UID=0
dev.cpu.0.%parent: acpi0
dev.cpu.0.freq_levels: 2600/-1 2275/-1 1950/-1 1625/-1 1300/-1 975/-1 650/-1 325/-1
dev.cpu.0.cx_supported: C1/1/1
dev.cpu.0.cx_lowest: C1
dev.cpu.0.cx_usage: 100.00% last 6532us
dev.cpu.1.%desc: ACPI CPU
dev.cpu.1.%driver: cpu
dev.cpu.1.%location: handle=\_SB_.SCK0.CP01
dev.cpu.1.%npninfo: _HID=none _UID=0
dev.cpu.1.%parent: acpi0
dev.cpu.1.cx_supported: C1/1/1
dev.cpu.1.cx_lowest: C1
dev.cpu.1.cx_usage: 100.00% last 9702us
dev.cpu.2.%desc: ACPI CPU
dev.cpu.2.%driver: cpu
dev.cpu.2.%location: handle=\_SB_.SCK0.CP02
dev.cpu.2.%npninfo: _HID=none _UID=0
dev.cpu.2.%parent: acpi0
dev.cpu.2.cx_supported: C1/1/1
dev.cpu.2.cx_lowest: C1
dev.cpu.2.cx_usage: 100.00% last 6892us
dev.cpu.3.%desc: ACPI CPU
dev.cpu.3.%driver: cpu
dev.cpu.3.%location: handle=\_SB_.SCK0.CP03
dev.cpu.3.%npninfo: _HID=none _UID=0
dev.cpu.3.%parent: acpi0
dev.cpu.3.cx_supported: C1/1/1
dev.cpu.3.cx_lowest: C1
dev.cpu.3.cx_usage: 100.00% last 9570us
dev.cpu.4.%desc: ACPI CPU
dev.cpu.4.%driver: cpu
dev.cpu.4.%location: handle=\_SB_.SCK0.CP04
dev.cpu.4.%npninfo: _HID=none _UID=0
dev.cpu.4.%parent: acpi0
dev.cpu.4.cx_supported: C1/1/1
dev.cpu.4.cx_lowest: C1
dev.cpu.4.cx_usage: 100.00% last 6936us
dev.cpu.5.%desc: ACPI CPU
dev.cpu.5.%driver: cpu
dev.cpu.5.%location: handle=\_SB_.SCK0.CP05
dev.cpu.5.%npninfo: _HID=none _UID=0
dev.cpu.5.%parent: acpi0
dev.cpu.5.cx_supported: C1/1/1
dev.cpu.5.cx_lowest: C1
dev.cpu.5.cx_usage: 100.00% last 9810us
dev.cpu.6.%desc: ACPI CPU
dev.cpu.6.%driver: cpu
dev.cpu.6.%location: handle=\_SB_.SCK0.CP06
dev.cpu.6.%npninfo: _HID=none _UID=0
dev.cpu.6.%parent: acpi0
dev.cpu.6.cx_supported: C1/1/1
dev.cpu.6.cx_lowest: C1
dev.cpu.6.cx_usage: 100.00% last 9810us
dev.cpu.7.%desc: ACPI CPU
dev.cpu.7.%driver: cpu
dev.cpu.7.%location: handle=\_SB_.SCK0.CP07
dev.cpu.7.%npninfo: _HID=none _UID=0
dev.cpu.7.%parent: acpi0
dev.cpu.7.cx_supported: C1/1/1
dev.cpu.7.cx_lowest: C1
dev.cpu.7.cx_usage: 100.00% last 9814us
dev.cpu.8.%desc: ACPI CPU
dev.cpu.8.%driver: cpu

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dev.cpu.8.%location: handle=\_SB_.SCK0.CP08
dev.cpu.8.%pnpinfo: _HID=none _UID=0
dev.cpu.8.%parent: acpi0
dev.cpu.8.cx_supported: C1/1/1
dev.cpu.8.cx_lowest: C1
dev.cpu.8.cx_usage: 100.00% last 9816us
dev.cpu.9.%desc: ACPI CPU
dev.cpu.9.%driver: cpu
dev.cpu.9.%location: handle=\_SB_.SCK0.CP09
dev.cpu.9.%pnpinfo: _HID=none _UID=0
dev.cpu.9.%parent: acpi0
dev.cpu.9.cx_supported: C1/1/1
dev.cpu.9.cx_lowest: C1
dev.cpu.9.cx_usage: 100.00% last 4562us
dev.cpu.10.%desc: ACPI CPU
dev.cpu.10.%driver: cpu
dev.cpu.10.%location: handle=\_SB_.SCK1.CP00
dev.cpu.10.%pnpinfo: _HID=none _UID=0
dev.cpu.10.%parent: acpi0
dev.cpu.10.cx_supported: C1/1/1
dev.cpu.10.cx_lowest: C1
dev.cpu.10.cx_usage: 100.00% last 9698us
dev.cpu.11.%desc: ACPI CPU
dev.cpu.11.%driver: cpu
dev.cpu.11.%location: handle=\_SB_.SCK1.CP01
dev.cpu.11.%pnpinfo: _HID=none _UID=0
dev.cpu.11.%parent: acpi0
dev.cpu.11.cx_supported: C1/1/1
dev.cpu.11.cx_lowest: C1
dev.cpu.11.cx_usage: 100.00% last 9700us
dev.cpu.12.%desc: ACPI CPU
dev.cpu.12.%driver: cpu
dev.cpu.12.%location: handle=\_SB_.SCK1.CP02
dev.cpu.12.%pnpinfo: _HID=none _UID=0
dev.cpu.12.%parent: acpi0
dev.cpu.12.cx_supported: C1/1/1
dev.cpu.12.cx_lowest: C1
dev.cpu.12.cx_usage: 100.00% last 8165us
dev.cpu.13.%desc: ACPI CPU
dev.cpu.13.%driver: cpu
dev.cpu.13.%location: handle=\_SB_.SCK1.CP03
dev.cpu.13.%pnpinfo: _HID=none _UID=0
dev.cpu.13.%parent: acpi0
dev.cpu.13.cx_supported: C1/1/1
dev.cpu.13.cx_lowest: C1
dev.cpu.13.cx_usage: 100.00% last 9712us
dev.cpu.14.%desc: ACPI CPU
dev.cpu.14.%driver: cpu
dev.cpu.14.%location: handle=\_SB_.SCK1.CP04
dev.cpu.14.%pnpinfo: _HID=none _UID=0
dev.cpu.14.%parent: acpi0
dev.cpu.14.cx_supported: C1/1/1
dev.cpu.14.cx_lowest: C1
dev.cpu.14.cx_usage: 100.00% last 9696us
dev.cpu.15.%desc: ACPI CPU
dev.cpu.15.%driver: cpu
dev.cpu.15.%location: handle=\_SB_.SCK1.CP05
dev.cpu.15.%pnpinfo: _HID=none _UID=0
dev.cpu.15.%parent: acpi0
dev.cpu.15.cx_supported: C1/1/1
dev.cpu.15.cx_lowest: C1
dev.cpu.15.cx_usage: 100.00% last 9706us
dev.cpu.16.%desc: ACPI CPU
dev.cpu.16.%driver: cpu
dev.cpu.16.%location: handle=\_SB_.SCK1.CP06
dev.cpu.16.%pnpinfo: _HID=none _UID=0
dev.cpu.16.%parent: acpi0
dev.cpu.16.cx_supported: C1/1/1
dev.cpu.16.cx_lowest: C1
dev.cpu.16.cx_usage: 100.00% last 9696us
dev.cpu.17.%desc: ACPI CPU
dev.cpu.17.%driver: cpu
dev.cpu.17.%location: handle=\_SB_.SCK1.CP07
dev.cpu.17.%pnpinfo: _HID=none _UID=0
dev.cpu.17.%parent: acpi0
dev.cpu.17.cx_supported: C1/1/1
dev.cpu.17.cx_lowest: C1
dev.cpu.17.cx_usage: 100.00% last 7216us
dev.cpu.18.%desc: ACPI CPU
dev.cpu.18.%driver: cpu
dev.cpu.18.%location: handle=\_SB_.SCK1.CP08
dev.cpu.18.%pnpinfo: _HID=none _UID=0
dev.cpu.18.%parent: acpi0
dev.cpu.18.cx_supported: C1/1/1
dev.cpu.18.cx_lowest: C1
dev.cpu.18.cx_usage: 100.00% last 9698us
dev.cpu.19.%desc: ACPI CPU
dev.cpu.19.%driver: cpu
dev.cpu.19.%location: handle=\_SB_.SCK1.CP09
dev.cpu.19.%pnpinfo: _HID=none _UID=0
dev.cpu.19.%parent: acpi0

```

```

dev.cpu.19.cx_supported: C1/1/1
dev.cpu.19.cx_lowest: C1
dev.cpu.19.cx_usage: 100.00% last 523us
dev.atrtc.0.%desc: AT realtime clock
dev.atrtc.0.%driver: atrtc
dev.atrtc.0.%location: handle=\_SB_.PCI0.LPC0.RTC_
dev.atrtc.0.%pnpinf: _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.%pnpinf: _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.%pnpinf: _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.%pnpinf: 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.%pnpinf: _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.%pnpinf: _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.%pnpinf: _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.%pnpinf: _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.%pnpinf: _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.%pnpinf: _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.%pnpinf: _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.%pnpinf: _HID=PNP0C0F _UID=8
dev.pci_link.7.%parent: acpi0
dev.pci.0.%desc: ACPI Host-PCI bridge
dev.pci.0.%driver: pci
dev.pci.0.%location: handle=\_SB_.UNC1
dev.pci.0.%pnpinf: _HID=PNP0A03 _UID=127
dev.pci.0.%parent: acpi0
dev.pci.1.%desc: ACPI Host-PCI bridge
dev.pci.1.%driver: pci
dev.pci.1.%location: handle=\_SB_.UNC0
dev.pci.1.%pnpinf: _HID=PNP0A03 _UID=63
dev.pci.1.%parent: acpi0
dev.pci.2.%desc: ACPI Host-PCI bridge
dev.pci.2.%driver: pci
dev.pci.2.%location: handle=\_SB_.PCI0
dev.pci.2.%pnpinf: _HID=PNP0A08 _UID=0
dev.pci.2.%parent: acpi0
dev.pci.3.%desc: ACPI PCI-PCI bridge
dev.pci.3.%driver: pci
dev.pci.3.%location: slot=1 function=0 handle=\_SB_.PCI0.BR1A
dev.pci.3.%pnpinf: vendor=0x8086 device=0x2f02 subvendor=0x1bcf subdevice=0x8053 class=0x060400
dev.pci.3.%parent: pci0
dev.pci.3.domain: 0
dev.pci.3.pribus: 0
dev.pci.3.secbus: 1
dev.pci.3.subbus: 1
dev.pci.3.wake: 0
dev.pci.4.%desc: ACPI PCI-PCI bridge
dev.pci.4.%driver: pci
dev.pci.4.%location: slot=2 function=0 handle=\_SB_.PCI0.BR2A

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dev.pci.4.%pnpinfo: vendor=0x8086 device=0x2f04 subvendor=0x1bcf subdevice=0x8053 class=0x060400
dev.pci.4.%parent: pci0
dev.pci.4.domain: 0
dev.pci.4.pribus: 0
dev.pci.4.secbus: 5
dev.pci.4.subbus: 5
dev.pci.4.wake: 0
dev.pci.5.%desc: ACPI PCI-PCI bridge
dev.pci.5.%driver: pcib
dev.pci.5.%location: slot=2 function=2 handle=_SB_.PCI0.BR2C
dev.pci.5.%pnpinfo: vendor=0x8086 device=0x2f06 subvendor=0x1bcf subdevice=0x8053 class=0x060400
dev.pci.5.%parent: pci0
dev.pci.5.domain: 0
dev.pci.5.pribus: 0
dev.pci.5.secbus: 12
dev.pci.5.subbus: 12
dev.pci.5.wake: 0
dev.pci.6.%desc: ACPI PCI-PCI bridge
dev.pci.6.%driver: pcib
dev.pci.6.%location: slot=3 function=0 handle=_SB_.PCI0.BR3A
dev.pci.6.%pnpinfo: vendor=0x8086 device=0x2f08 subvendor=0x1bcf subdevice=0x8053 class=0x060400
dev.pci.6.%parent: pci0
dev.pci.6.domain: 0
dev.pci.6.pribus: 0
dev.pci.6.secbus: 64
dev.pci.6.subbus: 64
dev.pci.6.wake: 0
dev.pci.7.%desc: ACPI PCI-PCI bridge
dev.pci.7.%driver: pcib
dev.pci.7.%location: slot=3 function=2 handle=_SB_.PCI0.BR3C
dev.pci.7.%pnpinfo: vendor=0x8086 device=0x2fa0 subvendor=0x1bcf subdevice=0x8053 class=0x060400
dev.pci.7.%parent: pci0
dev.pci.7.domain: 0
dev.pci.7.pribus: 0
dev.pci.7.secbus: 65
dev.pci.7.subbus: 65
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=0 handle=_SB_.PCI0.RP01
dev.pci.8.%pnpinfo: vendor=0x8086 device=0x8d10 subvendor=0x1bcf subdevice=0x8053 class=0x060400
dev.pci.8.%parent: pci0
dev.pci.8.domain: 0
dev.pci.8.pribus: 0
dev.pci.8.secbus: 66
dev.pci.8.subbus: 66
dev.pci.8.wake: 0
dev.pci.9.%desc: ACPI PCI-PCI bridge
dev.pci.9.%driver: pcib
dev.pci.9.%location: slot=28 function=3 handle=_SB_.PCI0.RP04
dev.pci.9.%pnpinfo: vendor=0x8086 device=0x8d16 subvendor=0x1bcf subdevice=0x8053 class=0x060400
dev.pci.9.%parent: pci0
dev.pci.9.domain: 0
dev.pci.9.pribus: 0
dev.pci.9.secbus: 125
dev.pci.9.subbus: 125
dev.pci.9.wake: 0
dev.pci.10.%desc: ACPI Host-PCI bridge
dev.pci.10.%driver: pcib
dev.pci.10.%location: handle=_SB_.PCI1
dev.pci.10.%pnpinfo: _HID=PNP0A08 _UID=128
dev.pci.10.%parent: acpi0
dev.pci.11.%desc: ACPI PCI-PCI bridge
dev.pci.11.%driver: pcib
dev.pci.11.%location: slot=0 function=0 handle=_SB_.PCI1.QRP0
dev.pci.11.%pnpinfo: vendor=0x8086 device=0x2f01 subvendor=0x1bcf subdevice=0x8053 class=0x060400
dev.pci.11.%parent: pci128
dev.pci.11.domain: 0
dev.pci.11.pribus: 128
dev.pci.11.secbus: 129
dev.pci.11.subbus: 129
dev.pci.11.wake: 0
dev.pci.12.%desc: ACPI PCI-PCI bridge
dev.pci.12.%driver: pcib
dev.pci.12.%location: slot=1 function=0 handle=_SB_.PCI1.QR1A
dev.pci.12.%pnpinfo: vendor=0x8086 device=0x2f02 subvendor=0x1bcf subdevice=0x8053 class=0x060400
dev.pci.12.%parent: pci128
dev.pci.12.domain: 0
dev.pci.12.pribus: 128
dev.pci.12.secbus: 130
dev.pci.12.subbus: 130
dev.pci.12.wake: 0
dev.pci.13.%desc: ACPI PCI-PCI bridge
dev.pci.13.%driver: pcib
dev.pci.13.%location: slot=2 function=0 handle=_SB_.PCI1.QR2A
dev.pci.13.%pnpinfo: vendor=0x8086 device=0x2f04 subvendor=0x1bcf subdevice=0x8053 class=0x060400
dev.pci.13.%parent: pci128
dev.pci.13.domain: 0
dev.pci.13.pribus: 128
dev.pci.13.secbus: 131
dev.pci.13.subbus: 131

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dev.pci.13.wake: 0
dev.pci.14.%desc: ACPI PCI-PCI bridge
dev.pci.14.%driver: pcib
dev.pci.14.%location: slot=3 function=0 handle=_SB_.PCI1.QR3A
dev.pci.14.%pnpinfo: vendor=0x8086 device=0x2f08 subvendor=0x1bcf subdevice=0x8053 class=0x060400
dev.pci.14.%parent: pci128
dev.pci.14.domain: 0
dev.pci.14.pribus: 128
dev.pci.14.secbus: 192
dev.pci.14.subbus: 192
dev.pci.14.wake: 0
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.5.%desc: ACPI PCI bus
dev.pci.5.%driver: pci
dev.pci.5.%parent: pcib4
dev.pci.5.wake: 0
dev.pci.12.%desc: ACPI PCI bus
dev.pci.12.%driver: pci
dev.pci.12.%parent: pcib5
dev.pci.12.wake: 0
dev.pci.64.%desc: ACPI PCI bus
dev.pci.64.%driver: pci
dev.pci.64.%parent: pcib6
dev.pci.64.wake: 0
dev.pci.65.%desc: ACPI PCI bus
dev.pci.65.%driver: pci
dev.pci.65.%parent: pcib7
dev.pci.65.wake: 0
dev.pci.66.%desc: ACPI PCI bus
dev.pci.66.%driver: pci
dev.pci.66.%parent: pcib8
dev.pci.66.wake: 0
dev.pci.125.%desc: ACPI PCI bus
dev.pci.125.%driver: pci
dev.pci.125.%parent: pcib9
dev.pci.125.wake: 0
dev.pci.128.%desc: ACPI PCI bus
dev.pci.128.%driver: pci
dev.pci.128.%parent: pcib10
dev.pci.129.%desc: ACPI PCI bus
dev.pci.129.%driver: pci
dev.pci.129.%parent: pcib11
dev.pci.129.wake: 0
dev.pci.130.%desc: ACPI PCI bus
dev.pci.130.%driver: pci
dev.pci.130.%parent: pcib12
dev.pci.130.wake: 0
dev.pci.131.%desc: ACPI PCI bus
dev.pci.131.%driver: pci
dev.pci.131.%parent: pcib13
dev.pci.131.wake: 0
dev.pci.192.%desc: ACPI PCI bus
dev.pci.192.%driver: pci
dev.pci.192.%parent: pcib14
dev.pci.192.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=0x8053 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=0x8053 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=0x8053 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=0x8053 class=0xc0330
dev.xhci.0.%parent: pci0
dev.usb.0.%driver: usb
dev.usb.0.%parent: xhci0
dev.usb.1.%driver: usb
dev.usb.1.%parent: ehci0

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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.%npninfo: vendor=0x8086 device=0x8d2d subvendor=0x1bcf subdevice=0x8053 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.%npninfo: vendor=0x8086 device=0x8d26 subvendor=0x1bcf subdevice=0x8053 class=0x0c0320
dev.ehci.1.%parent: pci0
dev.vgapci.0.%desc: VGA-compatible display
dev.vgapci.0.%driver: vgapci
dev.vgapci.0.%location: slot=0 function=0 handle=\_SB_.PCI0.RP04.D03D
dev.vgapci.0.%npninfo: vendor=0x102b device=0x0522 subvendor=0x1bcf subdevice=0x8053 class=0x030000
dev.vgapci.0.%parent: pci125
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.%npninfo: vendor=0x8086 device=0x8d44 subvendor=0x1bcf subdevice=0x8053 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.%npninfo: vendor=0x8086 device=0x8d02 subvendor=0x1bcf subdevice=0x8053 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.ahcich.5.%desc: AHCI channel
dev.ahcich.5.%driver: ahcich
dev.ahcich.5.%location: channel=5
dev.ahcich.5.%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.%npninfo: _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.%npninfo: _HID=PNP0200 _UID=0
dev.atdma.0.%parent: acpi0
dev.fpupnp.0.%desc: Legacy ISA coprocessor support
dev.fpupnp.0.%driver: fpupnp
dev.fpupnp.0.%location: handle=\_SB_.PCI0.LPC0.FPU_
dev.fpupnp.0.%npninfo: _HID=PNP0C04 _UID=0
dev.fpupnp.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.%npninfo: _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.%npninfo: _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

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dev.vga.0.%desc: Generic ISA VGA
dev.vga.0.%driver: vga
dev.vga.0.%parent: isa0
dev.p4tcc.0.%desc: CPU Frequency Thermal Control
dev.p4tcc.0.%driver: p4tcc
dev.p4tcc.0.%parent: cpu0
dev.p4tcc.0.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.1.%desc: CPU Frequency Thermal Control
dev.p4tcc.1.%driver: p4tcc
dev.p4tcc.1.%parent: cpu1
dev.p4tcc.1.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.2.%desc: CPU Frequency Thermal Control
dev.p4tcc.2.%driver: p4tcc
dev.p4tcc.2.%parent: cpu2
dev.p4tcc.2.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.3.%desc: CPU Frequency Thermal Control
dev.p4tcc.3.%driver: p4tcc
dev.p4tcc.3.%parent: cpu3
dev.p4tcc.3.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.4.%desc: CPU Frequency Thermal Control
dev.p4tcc.4.%driver: p4tcc
dev.p4tcc.4.%parent: cpu4
dev.p4tcc.4.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.5.%desc: CPU Frequency Thermal Control
dev.p4tcc.5.%driver: p4tcc
dev.p4tcc.5.%parent: cpu5
dev.p4tcc.5.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.6.%desc: CPU Frequency Thermal Control
dev.p4tcc.6.%driver: p4tcc
dev.p4tcc.6.%parent: cpu6
dev.p4tcc.6.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.7.%desc: CPU Frequency Thermal Control
dev.p4tcc.7.%driver: p4tcc
dev.p4tcc.7.%parent: cpu7
dev.p4tcc.7.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.8.%desc: CPU Frequency Thermal Control
dev.p4tcc.8.%driver: p4tcc
dev.p4tcc.8.%parent: cpu8
dev.p4tcc.8.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.9.%desc: CPU Frequency Thermal Control
dev.p4tcc.9.%driver: p4tcc
dev.p4tcc.9.%parent: cpu9
dev.p4tcc.9.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.10.%desc: CPU Frequency Thermal Control
dev.p4tcc.10.%driver: p4tcc
dev.p4tcc.10.%parent: cpu10
dev.p4tcc.10.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.11.%desc: CPU Frequency Thermal Control
dev.p4tcc.11.%driver: p4tcc
dev.p4tcc.11.%parent: cpu11
dev.p4tcc.11.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.12.%desc: CPU Frequency Thermal Control
dev.p4tcc.12.%driver: p4tcc
dev.p4tcc.12.%parent: cpu12
dev.p4tcc.12.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.13.%desc: CPU Frequency Thermal Control
dev.p4tcc.13.%driver: p4tcc
dev.p4tcc.13.%parent: cpu13
dev.p4tcc.13.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.14.%desc: CPU Frequency Thermal Control
dev.p4tcc.14.%driver: p4tcc
dev.p4tcc.14.%parent: cpu14
dev.p4tcc.14.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.15.%desc: CPU Frequency Thermal Control
dev.p4tcc.15.%driver: p4tcc
dev.p4tcc.15.%parent: cpu15
dev.p4tcc.15.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.16.%desc: CPU Frequency Thermal Control
dev.p4tcc.16.%driver: p4tcc
dev.p4tcc.16.%parent: cpu16
dev.p4tcc.16.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.17.%desc: CPU Frequency Thermal Control
dev.p4tcc.17.%driver: p4tcc
dev.p4tcc.17.%parent: cpu17
dev.p4tcc.17.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.18.%desc: CPU Frequency Thermal Control
dev.p4tcc.18.%driver: p4tcc
dev.p4tcc.18.%parent: cpu18
dev.p4tcc.18.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.19.%desc: CPU Frequency Thermal Control
dev.p4tcc.19.%driver: p4tcc
dev.p4tcc.19.%parent: cpu19
dev.p4tcc.19.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
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

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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.cpubfreq.12.%driver: cpufreq
dev.cpubfreq.12.%parent: cpu12
dev.cpubfreq.13.%driver: cpufreq
dev.cpubfreq.13.%parent: cpu13
dev.cpubfreq.14.%driver: cpufreq
dev.cpubfreq.14.%parent: cpu14
dev.cpubfreq.15.%driver: cpufreq
dev.cpubfreq.15.%parent: cpu15
dev.cpubfreq.16.%driver: cpufreq
dev.cpubfreq.16.%parent: cpu16
dev.cpubfreq.17.%driver: cpufreq
dev.cpubfreq.17.%parent: cpu17
dev.cpubfreq.18.%driver: cpufreq
dev.cpubfreq.18.%parent: cpu18
dev.cpubfreq.19.%driver: cpufreq
dev.cpubfreq.19.%parent: cpu19
dev.uhub.0.%desc: 0x8086 XHCI root HUB, class 9/0, rev 3.00/1.00, addr 1
dev.uhub.0.%driver: uhub
dev.uhub.0.%parent: usb0
dev.uhub.1.%desc: Intel EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1
dev.uhub.1.%driver: uhub
dev.uhub.1.%parent: usb1
dev.uhub.2.%desc: Intel EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1
dev.uhub.2.%driver: uhub
dev.uhub.2.%parent: usb2
dev.uhub.3.%desc: vendor 0x8087 product 0x800a, class 9/0, rev 2.00/0.05, addr 2
dev.uhub.3.%driver: uhub
dev.uhub.3.%location: bus=1 hubaddr=1 port=1 devaddr=2 interface=0
dev.uhub.3.%pnpinfo: vendor=0x8087 product=0x800a devclass=0x09 devsubclass=0x00 sernum="" release=0x0005 mode=host intclass=0x09
intsubclass=0x00 intprotocol=0x00
dev.uhub.3.%parent: uhub1
dev.uhub.4.%desc: vendor 0x8087 product 0x8002, class 9/0, rev 2.00/0.05, addr 2
dev.uhub.4.%driver: uhub
dev.uhub.4.%location: bus=1 hubaddr=1 port=2 devaddr=2 interface=0
dev.uhub.4.%pnpinfo: vendor=0x8087 product=0x8002 devclass=0x09 devsubclass=0x00 sernum="" release=0x0005 mode=host intclass=0x09
intsubclass=0x00 intprotocol=0x00
dev.uhub.4.%parent: uhub2
dev.uhub.5.%desc: vendor 0x0409 product 0x005a, class 9/0, rev 2.00/1.00, addr 4
dev.uhub.5.%driver: uhub
dev.uhub.5.%location: bus=2 hubaddr=6 port=2 devaddr=4 interface=0
dev.uhub.5.%pnpinfo: vendor=0x0409 product=0x005a devclass=0x09 devsubclass=0x00 sernum="" release=0x0100 mode=host intclass=0x09
intsubclass=0x00 intprotocol=0x00
dev.uhub.5.%parent: uhub4
dev.ukbd.0.%desc: Keyboard Interface
dev.ukbd.0.%driver: ukbd
dev.ukbd.0.%location: bus=2 hubaddr=3 port=1 devaddr=3 interface=0
dev.ukbd.0.%pnpinfo: vendor=0x046b product=0xff10 devclass=0x00 devsubclass=0x00 sernum="" release=0x0100 mode=host intclass=0x03
intsubclass=0x01 intprotocol=0x01
dev.ukbd.0.%parent: uhub3
dev.ukbd.1.%desc: Topre Corporation HHKB Professional, class 0/0, rev 1.10/1.02, addr 5
dev.ukbd.1.%driver: ukbd
dev.ukbd.1.%location: bus=4 hubaddr=1 port=2 devaddr=5 interface=0
dev.ukbd.1.%pnpinfo: vendor=0x0853 product=0x0100 devclass=0x00 devsubclass=0x00 sernum="" release=0x0102 mode=host intclass=0x03
intsubclass=0x01 intprotocol=0x01
dev.ukbd.1.%parent: uhub5
dev.ums.0.%desc: Mouse Interface
dev.ums.0.%driver: ums
dev.ums.0.%location: bus=2 hubaddr=3 port=1 devaddr=3 interface=1
dev.ums.0.%pnpinfo: vendor=0x046b product=0xff10 devclass=0x00 devsubclass=0x00 sernum="" release=0x0100 mode=host intclass=0x03
intsubclass=0x01 intprotocol=0x02
dev.ums.0.%parent: uhub3
dev.ums.0.%parseinfo: i1: Z:r0, p40, s8; B1:r0, p0, s1; B2:r0, p1, s1; B3:r0, p2, s1;
dev.umass.0.%desc: UFD 2.0 Silicon-Power4G, class 0/0, rev 2.00/1.00, addr 3
dev.umass.0.%driver: umass
dev.umass.0.%location: bus=2 hubaddr=5 port=2 devaddr=3 interface=0
dev.umass.0.%pnpinfo: vendor=0x13fe product=0x4100 devclass=0x00 devsubclass=0x00 sernum="12101504053E6002A8B923CA184" release=0x0100
mode=host intclass=0x08 intsubclass=0x06 intprotocol=0x50
dev.umass.0.%parent: uhub4
dev.umass.1.%desc: UFD 2.0 Silicon-Power16G, class 0/0, rev 2.00/1.00, addr 6
dev.umass.1.%driver: umass
dev.umass.1.%location: bus=2 hubaddr=1 port=2 devaddr=6 interface=0
dev.umass.1.%pnpinfo: vendor=0x13fe product=0x4100 devclass=0x00 devsubclass=0x00 sernum="12090358056E600298331564282" release=0x0100
mode=host intclass=0x08 intsubclass=0x06 intprotocol=0x50
dev.umass.1.%parent: uhub4
hptmv.status: RocketRAID 18xx SATA Controller driver Version v1.16

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システム起動時メッセージ

```
Copyright (c) 1992-2013 The FreeBSD Project.
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FreeBSD is a registered trademark of The FreeBSD Foundation.
FreeBSD 9.2-RELEASE #0 r255898: Thu Sep 26 22:50:31 UTC 2013
    root@bake.isc.freebsd.org:/usr/obj/usr/src/sys/GENERIC amd64
gcc version 4.2.1 20070831 patched [FreeBSD]
CPU: Intel(R) Xeon(R) CPU E5-2660 v3 @ 2.60GHz (2600.05-MHz K8-class CPU)
    Origin = "GenuineIntel" Id = 0x306f2 Family = 0x6 Model = 0x3f Stepping = 2

Features=0xbfebfbff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMOV,PAT,PSE36,CLFLUSH,DTS,ACPI,MMX,FXSR,SSE,SSE2,SS,HTT,TM,PBE>
    Features2=0x7ffefbff<SSE3,PCLMULQDQ,DTES64,MON,DS_CPL,VMX,SMX,EST,TM2,SSSE3,
<b11>,FMA,CX16,xTPR,PDCM,PCID,DCA,SSE4.1,SSE4.2,x2APIC,MOVBE,POPCNT,TSCDLT,AESNI,XSAVE,OSXSAVE,AVX,F16C,RDRAND>
    AMD Features=0x2c100800<SYSCALL,NX,Page1GB,RDTSCP,LM>
    AMD Features2=0x21<LAHF,ABM>
    Standard Extended Features=0x37ab<GSFSBASE,TSCADJ,SMEP,ENHMOVSB,INVPCID>
    TSC: P-state invariant, performance statistics
real memory = 137438953472 (131072 MB)
avail memory = 132889600000 (126733 MB)
Event timer "LAPIC" quality 600
ACPI APIC Table: <AMI 0680 >
FreeBSD/SMP: Multiprocessor System Detected: 20 CPUs
FreeBSD/SMP: 2 package(s) x 10 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: 16
cpu6 (AP): APIC ID: 18
cpu7 (AP): APIC ID: 20
cpu8 (AP): APIC ID: 22
cpu9 (AP): APIC ID: 24
cpu10 (AP): APIC ID: 32
cpu11 (AP): APIC ID: 34
cpu12 (AP): APIC ID: 36
cpu13 (AP): APIC ID: 38
cpu14 (AP): APIC ID: 40
cpu15 (AP): APIC ID: 48
cpu16 (AP): APIC ID: 50
cpu17 (AP): APIC ID: 52
cpu18 (AP): APIC ID: 54
cpu19 (AP): APIC ID: 56
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 0680> on motherboard
acpi0: Power Button (fixed)
cpu0: <ACPI CPU> on acpi0
cpu1: <ACPI CPU> on acpi0
cpu2: <ACPI CPU> on acpi0
cpu3: <ACPI CPU> on acpi0
cpu4: <ACPI CPU> on acpi0
cpu5: <ACPI CPU> on acpi0
cpu6: <ACPI CPU> on acpi0
cpu7: <ACPI CPU> on acpi0
cpu8: <ACPI CPU> on acpi0
cpu9: <ACPI CPU> on acpi0
cpu10: <ACPI CPU> on acpi0
cpu11: <ACPI CPU> on acpi0
cpu12: <ACPI CPU> on acpi0
cpu13: <ACPI CPU> on acpi0
cpu14: <ACPI CPU> on acpi0
cpu15: <ACPI CPU> on acpi0
cpu16: <ACPI CPU> on acpi0
cpu17: <ACPI CPU> on acpi0
cpu18: <ACPI CPU> on acpi0
cpu19: <ACPI CPU> on acpi0
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
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pci127: <base peripheral> at device 12.6 (no driver attached)
pci127: <base peripheral> at device 12.7 (no driver attached)
pci127: <base peripheral> at device 13.0 (no driver attached)
pci127: <base peripheral> at device 13.1 (no driver attached)
pci127: <base peripheral> at device 15.0 (no driver attached)
pci127: <base peripheral> at device 15.1 (no driver attached)
pci127: <base peripheral> at device 15.2 (no driver attached)
pci127: <base peripheral> at device 15.3 (no driver attached)
pci127: <base peripheral> at device 15.4 (no driver attached)
pci127: <base peripheral> at device 15.5 (no driver attached)
pci127: <base peripheral> at device 15.6 (no driver attached)
pci127: <base peripheral> at device 16.0 (no driver attached)
pci127: <dasp> at device 16.1 (no driver attached)
pci127: <base peripheral> at device 16.5 (no driver attached)
pci127: <dasp> at device 16.6 (no driver attached)
pci127: <base peripheral> at device 16.7 (no driver attached)
pci127: <base peripheral> at device 18.0 (no driver attached)
pci127: <dasp> at device 18.1 (no driver attached)
pci127: <base peripheral> at device 18.4 (no driver attached)
pci127: <dasp> at device 18.5 (no driver attached)
pci127: <base peripheral> at device 19.0 (no driver attached)
pci127: <base peripheral> at device 19.1 (no driver attached)
pci127: <base peripheral> at device 19.2 (no driver attached)
pci127: <base peripheral> at device 19.3 (no driver attached)
pci127: <base peripheral> at device 19.6 (no driver attached)
pci127: <base peripheral> at device 19.7 (no driver attached)
pci127: <base peripheral> at device 20.0 (no driver attached)
pci127: <base peripheral> at device 20.1 (no driver attached)
pci127: <base peripheral> at device 20.2 (no driver attached)
pci127: <base peripheral> at device 20.3 (no driver attached)
pci127: <base peripheral> at device 20.4 (no driver attached)
pci127: <base peripheral> at device 20.5 (no driver attached)
pci127: <base peripheral> at device 20.6 (no driver attached)
pci127: <base peripheral> at device 20.7 (no driver attached)
pci127: <base peripheral> at device 22.0 (no driver attached)
pci127: <base peripheral> at device 22.1 (no driver attached)
pci127: <base peripheral> at device 22.2 (no driver attached)
pci127: <base peripheral> at device 22.3 (no driver attached)
pci127: <base peripheral> at device 22.6 (no driver attached)
pci127: <base peripheral> at device 22.7 (no driver attached)
pci127: <base peripheral> at device 23.0 (no driver attached)
pci127: <base peripheral> at device 23.1 (no driver attached)
pci127: <base peripheral> at device 23.2 (no driver attached)
pci127: <base peripheral> at device 23.3 (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 0xcfc8-0xcfff on acpi0
pci0: <ACPI PCI bus> on pcib2
pcib3: <ACPI PCI-PCI bridge> irq 27 at device 1.0 on pci0
pci1: <ACPI PCI bus> on pcib3
pci1: <mass storage, RAID> at device 0.0 (no driver attached)
pcib4: <ACPI PCI-PCI bridge> irq 33 at device 2.0 on pci0
pci5: <ACPI PCI bus> on pcib4
pci5: <network, ethernet> at device 0.0 (no driver attached)
pci5: <network, ethernet> at device 0.1 (no driver attached)
pci5: <network, ethernet> at device 0.2 (no driver attached)
pci5: <network, ethernet> at device 0.3 (no driver attached)
pcib5: <ACPI PCI-PCI bridge> irq 33 at device 2.2 on pci0
pci12: <ACPI PCI bus> on pcib5
pcib6: <ACPI PCI-PCI bridge> irq 41 at device 3.0 on pci0
pci64: <ACPI PCI bus> on pcib6
pcib7: <ACPI PCI-PCI bridge> irq 41 at device 3.2 on pci0
pci65: <ACPI PCI bus> on pcib7
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 0xc7f00000-0xc7f0ffff 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 0xc7f34000-0xc7f343ff irq 18 at device 26.0 on pci0
usb1: EHCI version 1.0

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usb1 on ehci0
pcib8: <ACPI PCI-PCI bridge> irq 16 at device 28.0 on pci0
pcib6: <ACPI PCI bus> on pcib8
pcib9: <ACPI PCI-PCI bridge> irq 19 at device 28.3 on pci0
pcib9: failed to allocate initial memory window: 0xc7000000-0xc79fffff
pcib125: <ACPI PCI bus> on pcib9
vgapci0: <VGA-compatible display> mem 0xc1000000-0xc1ffffff,0xc7000000-0xc77fffff irq 16 at device 0.0 on pci125
ehci1: <EHCI (generic) USB 2.0 controller> mem 0xc7f33000-0xc7f333ff 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 0xc7f32000-0xc7f327ff irq 16
at device 31.2 on pci0
ahci0: AHCI v1.30 with 6 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
ahcich5: <AHCI channel> at channel 5 on ahci0
pci0: <serial bus, SMBus> at device 31.3 (no driver attached)
pcib10: <ACPI Host-PCI bridge> on acpi0
pci128: <ACPI PCI bus> on pcib10
pcib11: <ACPI PCI-PCI bridge> at device 0.0 on pci128
pci129: <ACPI PCI bus> on pcib11
pcib12: <ACPI PCI-PCI bridge> irq 50 at device 1.0 on pci128
pci130: <ACPI PCI bus> on pcib12
pcib13: <ACPI PCI-PCI bridge> irq 57 at device 2.0 on pci128
pci131: <ACPI PCI bus> on pcib13
pcib14: <ACPI PCI-PCI bridge> irq 65 at device 3.0 on pci128
pci192: <ACPI PCI bus> on pcib14
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
est0: <Enhanced SpeedStep Frequency Control> on cpu0
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c460001d00
device_attach: est0 attach returned 6
p4tcc0: <CPU Frequency Thermal Control> on cpu0
est1: <Enhanced SpeedStep Frequency Control> on cpu1
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c460001d00
device_attach: est1 attach returned 6
p4tcc1: <CPU Frequency Thermal Control> on cpu1
est2: <Enhanced SpeedStep Frequency Control> on cpu2
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c460001d00
device_attach: est2 attach returned 6
p4tcc2: <CPU Frequency Thermal Control> on cpu2
est3: <Enhanced SpeedStep Frequency Control> on cpu3
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c460001d00
device_attach: est3 attach returned 6
p4tcc3: <CPU Frequency Thermal Control> on cpu3
est4: <Enhanced SpeedStep Frequency Control> on cpu4
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c460001d00
device_attach: est4 attach returned 6
p4tcc4: <CPU Frequency Thermal Control> on cpu4
est5: <Enhanced SpeedStep Frequency Control> on cpu5
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c460001d00
device_attach: est5 attach returned 6
p4tcc5: <CPU Frequency Thermal Control> on cpu5
est6: <Enhanced SpeedStep Frequency Control> on cpu6
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c460001d00
device_attach: est6 attach returned 6
p4tcc6: <CPU Frequency Thermal Control> on cpu6
est7: <Enhanced SpeedStep Frequency Control> on cpu7
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c460001d00
device_attach: est7 attach returned 6
p4tcc7: <CPU Frequency Thermal Control> on cpu7

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est8: <Enhanced SpeedStep Frequency Control> on cpu8
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c4600001d00
device_attach: est8 attach returned 6
p4tcc8: <CPU Frequency Thermal Control> on cpu8
est9: <Enhanced SpeedStep Frequency Control> on cpu9
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c4600001d00
device_attach: est9 attach returned 6
p4tcc9: <CPU Frequency Thermal Control> on cpu9
est10: <Enhanced SpeedStep Frequency Control> on cpu10
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c4600001d00
device_attach: est10 attach returned 6
p4tcc10: <CPU Frequency Thermal Control> on cpu10
est11: <Enhanced SpeedStep Frequency Control> on cpu11
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c4600001d00
device_attach: est11 attach returned 6
p4tcc11: <CPU Frequency Thermal Control> on cpu11
est12: <Enhanced SpeedStep Frequency Control> on cpu12
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c4600001d00
device_attach: est12 attach returned 6
p4tcc12: <CPU Frequency Thermal Control> on cpu12
est13: <Enhanced SpeedStep Frequency Control> on cpu13
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c4600001d00
device_attach: est13 attach returned 6
p4tcc13: <CPU Frequency Thermal Control> on cpu13
est14: <Enhanced SpeedStep Frequency Control> on cpu14
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c4600001d00
device_attach: est14 attach returned 6
p4tcc14: <CPU Frequency Thermal Control> on cpu14
est15: <Enhanced SpeedStep Frequency Control> on cpu15
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c4600001d00
device_attach: est15 attach returned 6
p4tcc15: <CPU Frequency Thermal Control> on cpu15
est16: <Enhanced SpeedStep Frequency Control> on cpu16
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c4600001d00
device_attach: est16 attach returned 6
p4tcc16: <CPU Frequency Thermal Control> on cpu16
est17: <Enhanced SpeedStep Frequency Control> on cpu17
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c4600001d00
device_attach: est17 attach returned 6
p4tcc17: <CPU Frequency Thermal Control> on cpu17
est18: <Enhanced SpeedStep Frequency Control> on cpu18
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c4600001d00
device_attach: est18 attach returned 6
p4tcc18: <CPU Frequency Thermal Control> on cpu18
est19: <Enhanced SpeedStep Frequency Control> on cpu19
est: CPU supports Enhanced Speedstep, but is not recognized.
est: cpu_vendor GenuineIntel, msr 1c4600001d00
device_attach: est19 attach returned 6
p4tcc19: <CPU Frequency Thermal Control> on cpu19
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
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 #15 Launched!
SMP: AP CPU #7 Launched!
SMP: AP CPU #5 Launched!
SMP: AP CPU #1 Launched!
SMP: AP CPU #12 Launched!
SMP: AP CPU #6 Launched!
SMP: AP CPU #2 Launched!
SMP: AP CPU #3 Launched!
SMP: AP CPU #11 Launched!
SMP: AP CPU #9 Launched!
SMP: AP CPU #4 Launched!
SMP: AP CPU #10 Launched!
SMP: AP CPU #8 Launched!
SMP: AP CPU #17 Launched!
SMP: AP CPU #14 Launched!
SMP: AP CPU #13 Launched!
SMP: AP CPU #19 Launched!

```

```
SMP: AP CPU #16 Launched!
SMP: AP CPU #18 Launched!
Timecounter "TSC-low" frequency 1300027034 Hz quality 1000
Root mount waiting for: usb2 usb1 usb0
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
Root mount waiting for: usb2 usb1
uhub3: 6 ports with 6 removable, self powered
uhub4: 8 ports with 8 removable, self powered
ugen1.3: <American Megatrends Inc.> at usb1
ukbd0: <Keyboard Interface> on usb1
kbd0 at ukbd0
ums0: <Mouse Interface> on usb1
ums0: 3 buttons and [Z] coordinates ID=0
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
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)
da0: quirks=0x2<NO_6_BYTE>
Root mount waiting for: usb2
ugen2.4: <vendor 0x0409> at usb2
uhub5: <vendor 0x0409 product 0x005a, class 9/0, rev 2.00/1.00, addr 4> on usb2
Root mount waiting for: usb2
uhub5: 3 ports with 2 removable, bus powered
ugen2.5: <Topre Corporation> at usb2
ukbd1: <Topre Corporation HHKB Professional, class 0/0, rev 1.10/1.02, addr 5> on usb2
kbd2 at ukbd1
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:
    0x0-0x9d7ff
    0x100000-0x7aab0fff
    0x7bd5d000-0x7bd5dfff
    0x7bde4000-0x7bfffffff
    0x100000000-0x207fffffff
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
  p4tcc0
  cpufreq0
cpu1
  p4tcc1
  cpufreq1
cpu2
  p4tcc2
  cpufreq2
cpu3
  p4tcc3
  cpufreq3
cpu4
  p4tcc4
  cpufreq4
cpu5
  p4tcc5
  cpufreq5
cpu6
  p4tcc6
  cpufreq6
cpu7
  p4tcc7
  cpufreq7
cpu8
  p4tcc8
  cpufreq8
cpu9
  p4tcc9
  cpufreq9
cpu10
  p4tcc10
  cpufreq10
cpu11
  p4tcc11
  cpufreq11
cpu12
  p4tcc12
  cpufreq12
cpu13
  p4tcc13
  cpufreq13
cpu14
  p4tcc14
  cpufreq14
```

```

cpu15
  p4tcc15
  cpufreq15
cpu16
  p4tcc16
  cpufreq16
cpu17
  p4tcc17
  cpufreq17
cpu18
  p4tcc18
  cpufreq18
cpu19
  p4tcc19
  cpufreq19
pcib2
  I/O ports:
    0xcf8-0xcff
pci0
  hostb0
  pcib3
    I/O ports:
      0x6000-0x6fff
    I/O memory addresses:
      0xc7a00000-0xc7cfffff
  pci1
  pcib4
    I/O memory addresses:
      0xc2000000-0xc60fffff
      0xc7d00000-0xc7efffff
  pci5
  pcib5
  pci12
  pcib6
  pci64
  pcib7
  pci65
  ioapic0
    I/O memory addresses:
      0xc7f38000-0xc7f38fff
xhci0
  Interrupt request lines:
    19
  I/O memory addresses:
    0xc7f00000-0xc7f0ffff
  usb0
  uhub0
ehci0
  Interrupt request lines:
    18
  I/O memory addresses:
    0xc7f34000-0xc7f343ff
  usb1
  uhub1
  uhub3
  ukbd0
  ums0
pcib8
  pci66
pcib9
  I/O memory addresses:
    0xc1000000-0xc1ffffff
    0xc7000000-0xc77fffff
  pci125
  vgapci0
    pcib9 memory window:
      0xc7000000-0xc77fffff
    pcib9 prefetch window:
      0xc1000000-0xc1ffffff
  vgapm0
ehci1
  Interrupt request lines:
    18
  I/O memory addresses:
    0xc7f33000-0xc7f333ff
  usb2
  uhub2
  uhub4
  umass0
  uhub5
  ukbd1
  umass1
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:
        264
    I/O ports:
        0x7000-0x701f
        0x7020-0x7023
        0x7030-0x7037
        0x7040-0x7043
        0x7050-0x7057
    I/O memory addresses:
        0xc7f32000-0xc7f327ff
ahcich0
    I/O memory addresses:
        0xc7f32100-0xc7f3217f
ahcich1
    I/O memory addresses:
        0xc7f32180-0xc7f321ff
ahcich2
    I/O memory addresses:
        0xc7f32200-0xc7f3227f
ahcich3
    I/O memory addresses:
        0xc7f32280-0xc7f322ff
ahcich4
    I/O memory addresses:
        0xc7f32300-0xc7f3237f
ahcich5
    I/O memory addresses:
        0xc7f32380-0xc7f323ff
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
pcib10
pci128
pci11
pci129
pci12
pci130
pci13
pci131
pci14
pci192

```

```
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@pci0:255:9:0:   class=0x088000 card=0x2f908086 chip=0x2f908086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none4@pci0:255:9:2:   class=0x110100 card=0x2f338086 chip=0x2f338086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = dasp
none5@pci0:255:9:3:   class=0x088000 card=0x2f938086 chip=0x2f938086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none6@pci0:255:11:0:   class=0x088000 card=0x80531bcf chip=0x2f818086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none7@pci0:255:11:1:   class=0x110100 card=0x80531bcf chip=0x2f368086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = dasp
none8@pci0:255:11:2:   class=0x110100 card=0x80531bcf chip=0x2f378086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = dasp
none9@pci0:255:12:0:   class=0x088000 card=0x80531bcf chip=0x2fe08086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none10@pci0:255:12:1:  class=0x088000 card=0x80531bcf chip=0x2fe18086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none11@pci0:255:12:2:  class=0x088000 card=0x80531bcf chip=0x2fe28086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none12@pci0:255:12:3:  class=0x088000 card=0x80531bcf chip=0x2fe38086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none13@pci0:255:12:4:  class=0x088000 card=0x80531bcf chip=0x2fe48086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none14@pci0:255:12:5:  class=0x088000 card=0x80531bcf chip=0x2fe58086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none15@pci0:255:12:6:  class=0x088000 card=0x80531bcf chip=0x2fe68086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none16@pci0:255:12:7:  class=0x088000 card=0x80531bcf chip=0x2fe78086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none17@pci0:255:13:0:  class=0x088000 card=0x80531bcf chip=0x2fe88086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none18@pci0:255:13:1:  class=0x088000 card=0x80531bcf chip=0x2fe98086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none19@pci0:255:15:0:  class=0x088000 card=0x00000000 chip=0x2ff88086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none20@pci0:255:15:1:  class=0x088000 card=0x00000000 chip=0x2ff98086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none21@pci0:255:15:2:  class=0x088000 card=0x00000000 chip=0x2ffa8086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none22@pci0:255:15:3:  class=0x088000 card=0x00000000 chip=0x2ffb8086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none23@pci0:255:15:4:  class=0x088000 card=0x80531bcf chip=0x2ffc8086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none24@pci0:255:15:5:  class=0x088000 card=0x80531bcf chip=0x2ffd8086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none25@pci0:255:15:6:  class=0x088000 card=0x80531bcf chip=0x2ffe8086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none26@pci0:255:16:0:  class=0x088000 card=0x80531bcf chip=0x2fd8086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = base peripheral
none27@pci0:255:16:1:  class=0x110100 card=0x80531bcf chip=0x2f348086 rev=0x02 hdr=0x00
  vendor   = 'Intel Corporation'
  class    = dasp
none28@pci0:255:16:5:  class=0x088000 card=0x80531bcf chip=0x2f1e8086 rev=0x02 hdr=0x00
```

```

vendor = 'Intel Corporation'
class = base peripheral
none29@pci:255:16:6: class=0x110100 card=0x80531bcf chip=0x2f7d8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = dasp
none30@pci:255:16:7: class=0x088000 card=0x80531bcf chip=0x2f1f8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none31@pci:255:18:0: class=0x088000 card=0x80531bcf chip=0x2fa08086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none32@pci:255:18:1: class=0x110100 card=0x2f308086 chip=0x2f308086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = dasp
none33@pci:255:18:4: class=0x088000 card=0x80531bcf chip=0x2f608086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none34@pci:255:18:5: class=0x110100 card=0x2f388086 chip=0x2f388086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = dasp
none35@pci:255:19:0: class=0x088000 card=0x80531bcf chip=0x2fa88086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none36@pci:255:19:1: class=0x088000 card=0x80531bcf chip=0x2f718086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none37@pci:255:19:2: class=0x088000 card=0x80531bcf chip=0x2faa8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none38@pci:255:19:3: class=0x088000 card=0x80531bcf chip=0x2fab8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none39@pci:255:19:6: class=0x088000 card=0x00000000 chip=0x2fae8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none40@pci:255:19:7: class=0x088000 card=0x00000000 chip=0x2faf8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none41@pci:255:20:0: class=0x088000 card=0x80531bcf chip=0x2fb08086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none42@pci:255:20:1: class=0x088000 card=0x80531bcf chip=0x2fb18086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none43@pci:255:20:2: class=0x088000 card=0x80531bcf chip=0x2fb28086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none44@pci:255:20:3: class=0x088000 card=0x80531bcf chip=0x2fb38086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none45@pci:255:20:4: class=0x088000 card=0x00000000 chip=0x2fbc8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none46@pci:255:20:5: class=0x088000 card=0x00000000 chip=0x2fbd8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none47@pci:255:20:6: class=0x088000 card=0x00000000 chip=0x2fbe8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none48@pci:255:20:7: class=0x088000 card=0x00000000 chip=0x2fbf8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none49@pci:255:22:0: class=0x088000 card=0x80531bcf chip=0x2f688086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none50@pci:255:22:1: class=0x088000 card=0x80531bcf chip=0x2f798086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none51@pci:255:22:2: class=0x088000 card=0x80531bcf chip=0x2fa8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none52@pci:255:22:3: class=0x088000 card=0x80531bcf chip=0x2fb8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none53@pci:255:22:6: class=0x088000 card=0x00000000 chip=0x2f6e8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none54@pci:255:22:7: class=0x088000 card=0x00000000 chip=0x2f6f8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none55@pci:255:23:0: class=0x088000 card=0x80531bcf chip=0x2fd08086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none56@pci:255:23:1: class=0x088000 card=0x80531bcf chip=0x2fd18086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none57@pci:255:23:2: class=0x088000 card=0x80531bcf chip=0x2fd28086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none58@pci:255:23:3: class=0x088000 card=0x80531bcf chip=0x2fd38086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'

```

```

class = base peripheral
none59@pci:255:23:4: class=0x088000 card=0x00000000 chip=0x2fb88086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none60@pci:255:23:5: class=0x088000 card=0x00000000 chip=0x2fb98086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none61@pci:255:23:6: class=0x088000 card=0x00000000 chip=0x2fba8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none62@pci:255:23:7: class=0x088000 card=0x00000000 chip=0x2fbb8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none63@pci:255:30:0: class=0x088000 card=0x80531bcf chip=0x2f988086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none64@pci:255:30:1: class=0x088000 card=0x80531bcf chip=0x2f998086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none65@pci:255:30:2: class=0x088000 card=0x80531bcf chip=0x2f9a8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none66@pci:255:30:3: class=0x088000 card=0x80531bcf chip=0x2fc08086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none67@pci:255:30:4: class=0x088000 card=0x80531bcf chip=0x2f9c8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none68@pci:255:31:0: class=0x088000 card=0x00000000 chip=0x2f888086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none69@pci:255:31:2: class=0x088000 card=0x00000000 chip=0x2f8a8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none70@pci:127:8:0: class=0x088000 card=0x2f808086 chip=0x2f808086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none71@pci:127:8:2: class=0x110100 card=0x2f328086 chip=0x2f328086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = dasp
none72@pci:127:8:3: class=0x088000 card=0x2f838086 chip=0x2f838086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none73@pci:127:9:0: class=0x088000 card=0x2f908086 chip=0x2f908086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none74@pci:127:9:2: class=0x110100 card=0x2f338086 chip=0x2f338086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = dasp
none75@pci:127:9:3: class=0x088000 card=0x2f938086 chip=0x2f938086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none76@pci:127:11:0: class=0x088000 card=0x80531bcf chip=0x2f818086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none77@pci:127:11:1: class=0x110100 card=0x80531bcf chip=0x2f368086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = dasp
none78@pci:127:11:2: class=0x110100 card=0x80531bcf chip=0x2f378086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = dasp
none79@pci:127:12:0: class=0x088000 card=0x80531bcf chip=0x2fe08086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none80@pci:127:12:1: class=0x088000 card=0x80531bcf chip=0x2fe18086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none81@pci:127:12:2: class=0x088000 card=0x80531bcf chip=0x2fe28086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none82@pci:127:12:3: class=0x088000 card=0x80531bcf chip=0x2fe38086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none83@pci:127:12:4: class=0x088000 card=0x80531bcf chip=0x2fe48086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none84@pci:127:12:5: class=0x088000 card=0x80531bcf chip=0x2fe58086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none85@pci:127:12:6: class=0x088000 card=0x80531bcf chip=0x2fe68086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none86@pci:127:12:7: class=0x088000 card=0x80531bcf chip=0x2fe78086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none87@pci:127:13:0: class=0x088000 card=0x80531bcf chip=0x2fe88086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none88@pci:127:13:1: class=0x088000 card=0x80531bcf chip=0x2fe98086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral

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none89@pci0:127:15:0: class=0x088000 card=0x00000000 chip=0x2ff8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none90@pci0:127:15:1: class=0x088000 card=0x00000000 chip=0x2ff98086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none91@pci0:127:15:2: class=0x088000 card=0x00000000 chip=0x2ffa8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none92@pci0:127:15:3: class=0x088000 card=0x00000000 chip=0x2ffb8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none93@pci0:127:15:4: class=0x088000 card=0x80531bcf chip=0x2ffc8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none94@pci0:127:15:5: class=0x088000 card=0x80531bcf chip=0x2ffd8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none95@pci0:127:15:6: class=0x088000 card=0x80531bcf chip=0x2ffe8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none96@pci0:127:16:0: class=0x088000 card=0x80531bcf chip=0x2fd8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none97@pci0:127:16:1: class=0x110100 card=0x80531bcf chip=0x2f348086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = dasp
none98@pci0:127:16:5: class=0x088000 card=0x80531bcf chip=0x2fe8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none99@pci0:127:16:6: class=0x110100 card=0x80531bcf chip=0x2f7d8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = dasp
none100@pci0:127:16:7: class=0x088000 card=0x80531bcf chip=0x2f1f8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none101@pci0:127:18:0: class=0x088000 card=0x80531bcf chip=0x2fa8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none102@pci0:127:18:1: class=0x110100 card=0x2f308086 chip=0x2f308086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = dasp
none103@pci0:127:18:4: class=0x088000 card=0x80531bcf chip=0x2f68086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none104@pci0:127:18:5: class=0x110100 card=0x2f388086 chip=0x2f388086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = dasp
none105@pci0:127:19:0: class=0x088000 card=0x80531bcf chip=0x2fa88086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none106@pci0:127:19:1: class=0x088000 card=0x80531bcf chip=0x2f718086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none107@pci0:127:19:2: class=0x088000 card=0x80531bcf chip=0x2faa8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none108@pci0:127:19:3: class=0x088000 card=0x80531bcf chip=0x2fab8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none109@pci0:127:19:6: class=0x088000 card=0x00000000 chip=0x2fae8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none110@pci0:127:19:7: class=0x088000 card=0x00000000 chip=0x2faf8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none111@pci0:127:20:0: class=0x088000 card=0x80531bcf chip=0x2fb8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none112@pci0:127:20:1: class=0x088000 card=0x80531bcf chip=0x2fb18086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none113@pci0:127:20:2: class=0x088000 card=0x80531bcf chip=0x2fb28086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none114@pci0:127:20:3: class=0x088000 card=0x80531bcf chip=0x2fb38086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none115@pci0:127:20:4: class=0x088000 card=0x00000000 chip=0x2fbc8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none116@pci0:127:20:5: class=0x088000 card=0x00000000 chip=0x2fbd8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none117@pci0:127:20:6: class=0x088000 card=0x00000000 chip=0x2fbe8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none118@pci0:127:20:7: class=0x088000 card=0x00000000 chip=0x2fbf8086 rev=0x02 hdr=0x00
    vendor   = 'Intel Corporation'
    class    = base peripheral
none119@pci0:127:22:0: class=0x088000 card=0x80531bcf chip=0x2f688086 rev=0x02 hdr=0x00

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vendor = 'Intel Corporation'
class = base peripheral
none120@pci:0:127:22:1: class=0x088000 card=0x80531bcf chip=0x2f798086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none121@pci:0:127:22:2: class=0x088000 card=0x80531bcf chip=0x2f6a8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none122@pci:0:127:22:3: class=0x088000 card=0x80531bcf chip=0x2f6b8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none123@pci:0:127:22:6: class=0x088000 card=0x00000000 chip=0x2f6e8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none124@pci:0:127:22:7: class=0x088000 card=0x00000000 chip=0x2f6f8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none125@pci:0:127:23:0: class=0x088000 card=0x80531bcf chip=0x2fd08086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none126@pci:0:127:23:1: class=0x088000 card=0x80531bcf chip=0x2fd18086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none127@pci:0:127:23:2: class=0x088000 card=0x80531bcf chip=0x2fd28086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none128@pci:0:127:23:3: class=0x088000 card=0x80531bcf chip=0x2fd38086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none129@pci:0:127:23:4: class=0x088000 card=0x00000000 chip=0x2fb88086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none130@pci:0:127:23:5: class=0x088000 card=0x00000000 chip=0x2fb98086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none131@pci:0:127:23:6: class=0x088000 card=0x00000000 chip=0x2fba8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none132@pci:0:127:23:7: class=0x088000 card=0x00000000 chip=0x2fbb8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none133@pci:0:127:30:0: class=0x088000 card=0x80531bcf chip=0x2f988086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none134@pci:0:127:30:1: class=0x088000 card=0x80531bcf chip=0x2f998086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none135@pci:0:127:30:2: class=0x088000 card=0x80531bcf chip=0x2f9a8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none136@pci:0:127:30:3: class=0x088000 card=0x80531bcf chip=0x2fc08086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none137@pci:0:127:30:4: class=0x088000 card=0x80531bcf chip=0x2f9c8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none138@pci:0:127:31:0: class=0x088000 card=0x00000000 chip=0x2f888086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none139@pci:0:127:31:2: class=0x088000 card=0x00000000 chip=0x2f8a8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
hostb0@pci:0:0:0: class=0x060000 card=0x80531bcf chip=0x2f008086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = bridge
subclass = HOST-PCI
cap 10[90] = PCI-Express 2 root port max data 128(128) link x0(x4)
speed 0.0(2.5) ASPM disabled(L1)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000b[144] = Vendor 1 ID 4
ecap 000b[1d0] = Vendor 1 ID 3
ecap 000b[280] = Vendor 1 ID 5
ecap 000b[300] = Vendor 1 ID 8
pcib3@pci:0:1:0: class=0x060400 card=0x80531bcf chip=0x2f028086 rev=0x02 hdr=0x01
vendor = 'Intel Corporation'
class = bridge
subclass = PCI-PCI
cap 0d[40] = PCI Bridge card=0x80531bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port slot max data 256(256) link x8(x8)
speed 8.0(8.0) ASPM disabled(L1)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
ecap 000b[300] = Vendor 1 ID 8
pcib4@pci:0:2:0: class=0x060400 card=0x80531bcf chip=0x2f048086 rev=0x02 hdr=0x01

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vendor      = 'Intel Corporation'
class       = bridge
subclass    = PCI-PCI
cap 0d[40] = PCI Bridge card=0x80531bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port slot max data 256(256) link x8(x8)
             speed 5.0(8.0) ASPM disabled(L1)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0xff
ecap 000b[280] = Vendor 1 ID 5
ecap 000b[300] = Vendor 1 ID 8
pcib5@pci0:0:2:2:      class=0x060400 card=0x80531bcf chip=0x2f068086 rev=0x02 hdr=0x01
vendor      = 'Intel Corporation'
class       = bridge
subclass    = PCI-PCI
cap 0d[40] = PCI Bridge card=0x80531bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port max data 128(256) link x0(x8)
             speed 0.0(8.0) ASPM disabled(L1)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
ecap 000b[300] = Vendor 1 ID 8
pcib6@pci0:0:3:0:      class=0x060400 card=0x80531bcf chip=0x2f088086 rev=0x02 hdr=0x01
vendor      = 'Intel Corporation'
class       = bridge
subclass    = PCI-PCI
cap 0d[40] = PCI Bridge card=0x80531bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port slot max data 128(256) link x0(x8)
             speed 0.0(8.0) ASPM disabled(L1)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
ecap 000b[300] = Vendor 1 ID 8
pcib7@pci0:0:3:2:      class=0x060400 card=0x80531bcf chip=0x2f0a8086 rev=0x02 hdr=0x01
vendor      = 'Intel Corporation'
class       = bridge
subclass    = PCI-PCI
cap 0d[40] = PCI Bridge card=0x80531bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port max data 128(256) link x0(x8)
             speed 0.0(8.0) ASPM disabled(L1)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
ecap 000b[300] = Vendor 1 ID 8
none140@pci0:0:4:0:      class=0x088000 card=0x80531bcf 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
none141@pci0:0:4:1:      class=0x088000 card=0x80531bcf 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
none142@pci0:0:4:2:      class=0x088000 card=0x80531bcf 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
none143@pci0:0:4:3:      class=0x088000 card=0x80531bcf 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
none144@pci0:0:4:4:      class=0x088000 card=0x80531bcf chip=0x2f248086 rev=0x02 hdr=0x00
vendor      = 'Intel Corporation'
class       = base peripheral
cap 11[80] = MSI-X supports 1 message in map 0x10

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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
none145@pci:0:4:5: class=0x088000 card=0x80531bcf 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
none146@pci:0:4:6: class=0x088000 card=0x80531bcf 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
none147@pci:0:4:7: class=0x088000 card=0x80531bcf 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
none148@pci:0:5:0: class=0x088000 card=0x80531bcf 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)
none149@pci:0:5:1: class=0x088000 card=0x80531bcf chip=0x2f298086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
cap 05[80] = MSI supports 1 message, 64 bit
ecap 000b[100] = Vendor 1 ID 6
ecap 000b[110] = Vendor 1 ID 6
ecap 000b[120] = Vendor 1 ID 6
ecap 000b[130] = Vendor 1 ID 6
none150@pci:0:5:2: class=0x088000 card=0x80531bcf 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)
ioapic@pci:0:5:4: class=0x080020 card=0x80531bcf 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
none151@pci:0:17:0: class=0xff0000 card=0x80531bcf chip=0x8d7c8086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
cap 10[40] = PCI-Express 2 root endpoint max data 128(128) link x1(x1)
speed 2.5(2.5) ASPM disabled(L0s/L1)
cap 01[80] = powerspec 3 supports D0 D3 current D0
xhci@pci:0:20:0: class=0x0c0330 card=0x80531bcf chip=0x8d318086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
class = serial bus
subclass = USB
cap 01[70] = powerspec 2 supports D0 D3 current D0
none152@pci:0:22:0: class=0x078000 card=0x80531bcf 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
none153@pci:0:22:1: class=0x078000 card=0x80531bcf 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
ehci@pci:0:26:0: class=0x0c0320 card=0x80531bcf 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
pcib8@pci:0:28:0: class=0x060400 card=0x80531bcf 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)
speed 0.0(5.0) ASPM disabled(L0s/L1)
cap 05[80] = MSI supports 1 message
cap 0d[90] = PCI Bridge card=0x80531bcf
cap 01[a0] = powerspec 3 supports D0 D3 current D0
pcib9@pci:0:28:3: class=0x060400 card=0x80531bcf chip=0x8d168086 rev=0xd5 hdr=0x01
vendor = 'Intel Corporation'
class = bridge
subclass = PCI-PCI
cap 10[40] = PCI-Express 2 root port slot max data 128(128) link x1(x1)
speed 2.5(5.0) ASPM disabled(L0s/L1)
cap 05[80] = MSI supports 1 message enabled with 1 message
cap 0d[90] = PCI Bridge card=0x80531bcf
cap 01[a0] = powerspec 3 supports D0 D3 current D0
ehci1@pci:0:29:0: class=0x0c0320 card=0x80531bcf chip=0x8d268086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
class = serial bus

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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@pci0:0:31:0: class=0x060100 card=0x80531bcf 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@pci0:0:31:2: class=0x010601 card=0x80531bcf chip=0x8d228086 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
none154@pci0:0:31:3: class=0x0c0500 card=0x80531bcf chip=0x8d228086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
class = serial bus
subclass = SMBus
none155@pci0:1:0:0: class=0x010400 card=0x93641000 chip=0x005d1000 rev=0x02 hdr=0x00
vendor = 'LSI Logic / Symbios Logic'
device = 'MegaRAID SAS-3 3108 [Invader]'
class = mass storage
subclass = RAID
cap 01[50] = powerspec 3 supports D0 D1 D2 D3 current D0
cap 10[68] = PCI-Express 2 endpoint max data 256(4096) FLR link x8(x8)
speed 8.0(8.0) ASPM disabled(L0s)
cap 03[d0] = VPD
cap 05[a8] = MSI supports 1 message, 64 bit, vector masks
cap 11[c0] = MSI-X supports 97 messages in map 0x14
ecap 0001[100] = AER 2 0 fatal 0 non-fatal 1 corrected
ecap 0019[1e0] = PCIe Sec 1 lane errors 0
ecap 0004[1c0] = Power Budgeting 1
ecap 0016[190] = DPA 1
ecap 000e[148] = ARI 1
none156@pci0:5:0:0: class=0x020000 card=0x80551bcf chip=0x168a14e4 rev=0x10 hdr=0x00
vendor = 'Broadcom Corporation'
device = 'NetXtreme II BCM57800 10 Gigabit Ethernet'
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
cap 11[a0] = MSI-X supports 32 messages in map 0x20
cap 10[ac] = PCI-Express 2 endpoint max data 256(512) FLR link x8(x8)
speed 5.0(5.0)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 448a5bfffef4d661
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
ecap 000e[1b8] = ARI 1
ecap 0015[220] = Resizable BAR 1
ecap 0019[300] = PCIe Sec 1 lane errors 0
none157@pci0:5:0:1: class=0x020000 card=0x80551bcf chip=0x168a14e4 rev=0x10 hdr=0x00
vendor = 'Broadcom Corporation'
device = 'NetXtreme II BCM57800 10 Gigabit Ethernet'
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
cap 11[a0] = MSI-X supports 32 messages in map 0x20
cap 10[ac] = PCI-Express 2 endpoint max data 256(512) FLR link x8(x8)
speed 5.0(5.0)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 448a5bfffef4d661
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
ecap 000e[1b8] = ARI 1
ecap 0015[220] = Resizable BAR 1
none158@pci0:5:0:2: class=0x020000 card=0x805f1bcf chip=0x168a14e4 rev=0x10 hdr=0x00
vendor = 'Broadcom Corporation'
device = 'NetXtreme II BCM57800 10 Gigabit Ethernet'
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
cap 11[a0] = MSI-X supports 32 messages in map 0x20
cap 10[ac] = PCI-Express 2 endpoint max data 256(512) FLR link x8(x8)
speed 5.0(5.0)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 448a5bfffef4d661
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
ecap 000e[1b8] = ARI 1
ecap 0015[220] = Resizable BAR 1
none159@pci0:5:0:3: class=0x020000 card=0x805f1bcf chip=0x168a14e4 rev=0x10 hdr=0x00
vendor = 'Broadcom Corporation'

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device = 'NetXtreme II BCM57800 10 Gigabit Ethernet'
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
cap 11[a0] = MSI-X supports 32 messages in map 0x20
cap 10[ac] = PCI-Express 2 endpoint max data 256(512) FLR link x8(x8)
            speed 5.0(5.0)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 448a5bfffef4d661
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
ecap 000e[1b8] = ARI 1
ecap 0015[220] = Resizable BAR 1
vgapci0@pci:0:125:0:0: class=0x030000 card=0x80531bcf chip=0x0522102b rev=0x00 hdr=0x00
vendor = 'Matrox Graphics, Inc.'
device = 'MGA G200e [Pilot] ServerEngines (SEP1)'
class = display
subclass = VGA
cap 01[dc] = powerspec 2 supports D0 D3 current D0
cap 10[e4] = PCI-Express 1 legacy endpoint max data 128(256) link x1(x1)
            speed 2.5(2.5) ASPM disabled(L0s)
cap 05[54] = MSI supports 1 message
pci11@pci:0:128:0:0: class=0x060400 card=0x80531bcf chip=0x2f018086 rev=0x02 hdr=0x01
vendor = 'Intel Corporation'
class = bridge
subclass = PCI-PCI
cap 0d[40] = PCI Bridge card=0x80531bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port max data 128(128) link x0(x4)
            speed 0.0(5.0) ASPM disabled(L1)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 000b[280] = Vendor 1 ID 5
ecap 000b[300] = Vendor 1 ID 8
pci12@pci:0:128:1:0: class=0x060400 card=0x80531bcf chip=0x2f028086 rev=0x02 hdr=0x01
vendor = 'Intel Corporation'
class = bridge
subclass = PCI-PCI
cap 0d[40] = PCI Bridge card=0x80531bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port max data 128(256) link x0(x8)
            speed 0.0(8.0) ASPM disabled(L1)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
ecap 000b[300] = Vendor 1 ID 8
pci13@pci:0:128:2:0: class=0x060400 card=0x80531bcf chip=0x2f048086 rev=0x02 hdr=0x01
vendor = 'Intel Corporation'
class = bridge
subclass = PCI-PCI
cap 0d[40] = PCI Bridge card=0x80531bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port slot max data 128(256) link x0(x16)
            speed 0.0(8.0) ASPM disabled(L1)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
ecap 000b[300] = Vendor 1 ID 8
pci14@pci:0:128:3:0: class=0x060400 card=0x80531bcf chip=0x2f088086 rev=0x02 hdr=0x01
vendor = 'Intel Corporation'
class = bridge
subclass = PCI-PCI
cap 0d[40] = PCI Bridge card=0x80531bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port max data 128(256) link x0(x16)
            speed 0.0(8.0) ASPM disabled(L1)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
ecap 000b[300] = Vendor 1 ID 8
none16@pci:0:128:4:0: class=0x088000 card=0x80531bcf chip=0x2f208086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
cap 11[80] = MSI-X supports 1 message in map 0x10

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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
none161@pci:128:4:1: class=0x088000 card=0x80531bcf 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
none162@pci:128:4:2: class=0x088000 card=0x80531bcf 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
none163@pci:128:4:3: class=0x088000 card=0x80531bcf 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
none164@pci:128:4:4: class=0x088000 card=0x80531bcf 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
none165@pci:128:4:5: class=0x088000 card=0x80531bcf 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
none166@pci:128:4:6: class=0x088000 card=0x80531bcf 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
none167@pci:128:4:7: class=0x088000 card=0x80531bcf 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
none168@pci:128:5:0: class=0x088000 card=0x80531bcf 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)
none169@pci:128:5:1: class=0x088000 card=0x80531bcf chip=0x2f298086 rev=0x02 hdr=0x00
vendor   = 'Intel Corporation'
class   = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
cap 05[80] = MSI supports 1 message, 64 bit
ecap 000b[100] = Vendor 1 ID 6
ecap 000b[110] = Vendor 1 ID 6
ecap 000b[120] = Vendor 1 ID 6
ecap 000b[130] = Vendor 1 ID 6
none170@pci:128:5:2: class=0x088000 card=0x80531bcf 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:128:5:4: class=0x080020 card=0x80531bcf 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

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ACPI電源管理データ詳細一覧

RSD PTR: OEM=AMI, ACPI_Rev=2.0x (2)
XSDT=0x7b081080, length=36, cksum=201
XSDT: Length=132, Revision=1, Checksum=58,
OEMID=AMI, OEM Table ID=0680, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
Entries={ 0x7b097ed8, 0x7b097fe8, 0x7b098168, 0x7b098208, 0x7b098248, 0x7b098280, 0x7b0982b0, 0x7b099108, 0x7b0a0df0, 0x7b0a26d8,
0x7b0a2740, 0x7b0a28b8 }

FACP: Length=268, Revision=5, Checksum=52,
OEMID=AMI, OEM Table ID=0680, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
FACS=0x7b5f3f80, DSDT=0x7b081198
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_ALARM=13, MON_ALARM=0, CENTURY=50
IAPC_BOOT_ARCH={LEGACY_DEVICES,NO_ASPM}
Flags={WBINVD,C1_SUPPORTED,C2_MP_SUPPORTED,SLEEP_BUTTON,S4_RTC_WAKE,RESET_REGISTER,PLATFORM_CLOCK}
RESET_REG=0x50d:0[8] (IO), RESET_VALUE=0xbf

FACS: Length=64, HwSig=0x00000042, FirmWake_Vec=0x00000000
Global_Lock=
Flags=
Version=2

DSDT: Length=93503, Revision=2, Checksum=66,
OEMID=AMI, OEM Table ID=0680, OEM Revision=0x1072009,
Creator ID=INTL, Creator Revision=0x20091013

APIC: Length=380, Revision=3, Checksum=46,
OEMID=AMI, OEM Table ID=0680, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
Local APIC ADDR=0xf0000000
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=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=32
Flags={ENABLED}
APIC ID=32
Type=Local APIC

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ACPI CPU=34
Flags={ENABLED}
APIC ID=34
Type=Local APIC
ACPI CPU=36
Flags={ENABLED}
APIC ID=36
Type=Local APIC
ACPI CPU=38
Flags={ENABLED}
APIC ID=38
Type=Local APIC
ACPI CPU=40
Flags={ENABLED}
APIC ID=40
Type=Local APIC
ACPI CPU=48
Flags={ENABLED}
APIC ID=48
Type=Local APIC
ACPI CPU=50
Flags={ENABLED}
APIC ID=50
Type=Local APIC
ACPI CPU=52
Flags={ENABLED}
APIC ID=52
Type=Local APIC
ACPI CPU=54
Flags={ENABLED}
APIC ID=54
Type=Local APIC
ACPI CPU=56
Flags={ENABLED}
APIC ID=56
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=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=32
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=34
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=36
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=38
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}

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Type=Local APIC NMI
ACPI CPU=40
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=48
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=50
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=52
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=54
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=56
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}
FIIDT: Length=156, Revision=1, Checksum=223,
OEMID=AMI, OEM Table ID=0680, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
MCFG: Length=60, Revision=1, Checksum=160,
OEMID=AMI, OEM Table ID=0680, 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=172,
OEMID=AMI, OEM Table ID=0680, 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=74,
OEMID=AMI, OEM Table ID=0680, OEM Revision=0x1,
Creator ID=INTL, Creator Revision=0x20091013
Locality Count=2
SRAT: Length=3672, Revision=3, Checksum=174,
OEMID=AMI, OEM Table ID=0680, 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=16
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=18
Proximity Domain=0
Type=CPU
Flags={ENABLED}
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APIC ID=22
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Type=CPU
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APIC ID=24
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=32
Proximity Domain=1
Type=CPU
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APIC ID=34
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APIC ID=36
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APIC ID=40
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APIC ID=48
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Flags={DISABLED}
APIC ID=255
Proximity Domain=1
Type=CPU
Flags={DISABLED}
APIC ID=255
Proximity Domain=1
Type=CPU
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
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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=31969, Revision=1, Checksum=238,
OEMID=AMI, OEM Table ID=PmMgt, OEM Revision=0x1,
Creator ID=INTL, Creator Revision=0x20120913
SSDT: Length=6370, Revision=2, Checksum=187,

```

```
OEMID=AMI, OEM Table ID=SpsNm, OEM Revision=0x2,  
Creator ID=INTL, Creator Revision=0x20120913  
SSDT: Length=100, Revision=2, Checksum=102,  
OEMID=AMI, OEM Table ID=SpsNvs, OEM Revision=0x2,  
Creator ID=INTL, Creator Revision=0x20120913  
DMAR: Length=376, Revision=1, Checksum=137,  
OEMID=AMI, OEM Table ID=0680, OEM Revision=0x1,  
Creator ID=INTL, Creator Revision=0x20091013  
BERT: Length=48, Revision=1, Checksum=27,  
OEMID=AMI, OEM Table ID=0680, 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

```
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 0x4
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 Nov 4 13:41 /dev
125	0 lrwxr-xr-x	1 root	wheel	12 Nov 4 13:41 /dev/log -> /var/run/log
3	0 crw-r-----	1 root	operator	0, 3 Nov 4 13:41 /dev/geom.ctl
4	0 crw-----	1 root	wheel	0, 4 Nov 4 13:41 /dev/devctl
5	0 cr--r--r--	1 root	wheel	0, 5 Nov 4 13:41 /dev/sndstat
6	0 crw-----	1 root	wheel	0, 6 Nov 4 13:43 /dev/console
7	0 crw-rw-rw-	1 root	wheel	0, 7 Nov 4 13:41 /dev/ptmx
8	0 crw-----	1 root	wheel	0, 8 Nov 4 13:41 /dev/bpf
9	0 lrwxr-xr-x	1 root	wheel	3 Nov 4 13:41 /dev/bpf0 -> bpf
10	0 crw-rw-rw-	1 root	wheel	0, 10 Nov 4 13:41 /dev/random
11	0 lrwxr-xr-x	1 root	wheel	6 Nov 4 13:41 /dev/urandom -> random
122	1 dr-xr-xr-x	2 root	wheel	512 Nov 4 13:41 /dev/fd
12	0 crw-rw-rw-	1 root	wheel	0, 12 Nov 4 13:41 /dev/fd/0
14	0 crw-rw-rw-	1 root	wheel	0, 14 Nov 4 13:41 /dev/fd/1
16	0 crw-rw-rw-	1 root	wheel	0, 16 Nov 4 13:41 /dev/fd/2
13	0 lrwxr-xr-x	1 root	wheel	4 Nov 4 13:41 /dev/stdin -> fd/0
15	0 lrwxr-xr-x	1 root	wheel	4 Nov 4 13:41 /dev/stdout -> fd/1
17	0 lrwxr-xr-x	1 root	wheel	4 Nov 4 13:41 /dev/stderr -> fd/2
18	0 crw-rw-rw-	1 root	wheel	0, 18 Nov 4 13:41 /dev/midistat
19	0 crw-----	1 root	wheel	0, 19 Nov 4 13:41 /dev/synmouse
20	0 crw-----	1 root	kmem	0, 20 Nov 4 13:41 /dev/nfslock
21	0 crw-----	1 root	wheel	0, 21 Nov 4 13:41 /dev/kbdmux0
22	0 lrwxr-xr-x	1 root	wheel	7 Nov 4 13:41 /dev/kbd1 -> kbdmux0
23	0 crw-----	1 root	kmem	0, 23 Nov 4 13:41 /dev/audit
24	0 crw-r-----	1 root	kmem	0, 24 Nov 4 13:41 /dev/mem
25	0 crw-r-----	1 root	kmem	0, 25 Nov 4 13:41 /dev/kmem
26	0 crw-----	1 root	wheel	0, 26 Nov 4 13:41 /dev/fido
27	0 crw-----	1 root	wheel	0, 27 Nov 4 13:41 /dev/klog
28	0 crw-----	1 root	wheel	0, 28 Nov 4 13:41 /dev/io
29	0 crw-rw-rw-	1 root	wheel	0, 29 Nov 4 13:41 /dev/ccty
30	0 crw-rw-rw-	1 root	wheel	0, 30 Nov 4 13:44 /dev/null
31	0 crw-rw-rw-	1 root	wheel	0, 31 Nov 4 13:41 /dev/zero
32	0 crw-r--r--	1 root	wheel	0, 32 Nov 4 13:41 /dev/pci
33	0 crw-r--r--	1 root	wheel	0, 33 Nov 4 13:41 /dev/acpi
123	1 dr-xr-xr-x	2 root	wheel	512 Nov 4 13:41 /dev/led
34	0 crw-----	1 root	wheel	0, 34 Nov 4 13:41 /dev/led/ahcich0.locate
35	0 crw-----	1 root	wheel	0, 35 Nov 4 13:41 /dev/led/ahcich0.fault
36	0 crw-----	1 root	wheel	0, 36 Nov 4 13:41 /dev/led/ahcich1.locate
37	0 crw-----	1 root	wheel	0, 37 Nov 4 13:41 /dev/led/ahcich1.fault
38	0 crw-----	1 root	wheel	0, 38 Nov 4 13:41 /dev/led/ahcich2.locate
39	0 crw-----	1 root	wheel	0, 39 Nov 4 13:41 /dev/led/ahcich2.fault
40	0 crw-----	1 root	wheel	0, 40 Nov 4 13:41 /dev/led/ahcich3.locate
41	0 crw-----	1 root	wheel	0, 41 Nov 4 13:41 /dev/led/ahcich3.fault
42	0 crw-----	1 root	wheel	0, 42 Nov 4 13:41 /dev/led/ahcich4.locate
43	0 crw-----	1 root	wheel	0, 43 Nov 4 13:41 /dev/led/ahcich4.fault
44	0 crw-----	1 root	wheel	0, 44 Nov 4 13:41 /dev/led/ahcich5.locate
45	0 crw-----	1 root	wheel	0, 45 Nov 4 13:41 /dev/led/ahcich5.fault
46	0 crw-----	1 root	wheel	0, 46 Nov 4 13:41 /dev/ttyu0
47	0 crw-----	1 root	wheel	0, 47 Nov 4 13:41 /dev/ttyu0.init
48	0 crw-----	1 root	wheel	0, 48 Nov 4 13:41 /dev/ttyu0.lock
49	0 crw-rw----	1 uucp	dialer	0, 49 Nov 4 13:41 /dev/cuau0
50	0 crw-rw----	1 uucp	dialer	0, 50 Nov 4 13:41 /dev/cuau0.init
51	0 crw-rw----	1 uucp	dialer	0, 51 Nov 4 13:41 /dev/cuau0.lock
52	0 crw-----	1 root	wheel	0, 52 Nov 4 13:41 /dev/ttyu1
53	0 crw-----	1 root	wheel	0, 53 Nov 4 13:41 /dev/ttyu1.init
54	0 crw-----	1 root	wheel	0, 54 Nov 4 13:41 /dev/ttyu1.lock
55	0 crw-rw----	1 uucp	dialer	0, 55 Nov 4 13:41 /dev/cuau1
56	0 crw-rw----	1 uucp	dialer	0, 56 Nov 4 13:41 /dev/cuau1.init
57	0 crw-rw----	1 uucp	dialer	0, 57 Nov 4 13:41 /dev/cuau1.lock
58	0 crw-----	1 root	tty	0, 58 Nov 4 13:44 /dev/ttyv0
59	0 crw-----	1 root	wheel	0, 59 Nov 4 13:42 /dev/ttyv1
60	0 crw-----	1 root	wheel	0, 60 Nov 4 13:42 /dev/ttyv2
61	0 crw-----	1 root	wheel	0, 61 Nov 4 13:42 /dev/ttyv3
62	0 crw-----	1 root	wheel	0, 62 Nov 4 13:42 /dev/ttyv4
63	0 crw-----	1 root	wheel	0, 63 Nov 4 13:42 /dev/ttyv5
64	0 crw-----	1 root	wheel	0, 64 Nov 4 13:42 /dev/ttyv6
65	0 crw-----	1 root	wheel	0, 65 Nov 4 13:42 /dev/ttyv7
66	0 crw-----	1 root	wheel	0, 66 Nov 4 13:41 /dev/ttyv8
67	0 crw-----	1 root	wheel	0, 67 Nov 4 13:41 /dev/ttyv9
68	0 crw-----	1 root	wheel	0, 68 Nov 4 13:41 /dev/ttyva
69	0 crw-----	1 root	wheel	0, 69 Nov 4 13:41 /dev/ttyvb
70	0 crw-----	1 root	wheel	0, 70 Nov 4 13:41 /dev/ttyvc
71	0 crw-----	1 root	wheel	0, 71 Nov 4 13:41 /dev/ttyvd
72	0 crw-----	1 root	wheel	0, 72 Nov 4 13:41 /dev/ttyve
73	0 crw-----	1 root	wheel	0, 73 Nov 4 13:41 /dev/ttyvf
74	0 crw-----	1 root	wheel	0, 74 Nov 4 13:41 /dev/conslectl
75	0 crw-----	1 root	wheel	0, 75 Nov 4 13:41 /dev/ufssuspend
77	0 crw-r--r--	1 root	operator	0, 77 Nov 4 13:41 /dev/usbctl
78	0 crw-----	1 root	operator	0, 78 Nov 4 13:41 /dev/xpt0
79	0 crw-----	1 root	wheel	0, 79 Nov 4 13:41 /dev/mdctl
124	1 dr-xr-xr-x	2 root	wheel	512 Nov 4 13:41 /dev/usb
80	0 crw-----	1 root	operator	0, 80 Nov 4 13:41 /dev/usb/0.1.0
82	0 crw-----	1 root	operator	0, 82 Nov 4 13:41 /dev/usb/1.1.0
84	0 crw-----	1 root	operator	0, 84 Nov 4 13:41 /dev/usb/2.1.1.0
86	0 crw-----	1 root	operator	0, 86 Nov 4 13:41 /dev/usb/0.1.1

87	0 crw-----	1 root	operator	0,	87 Nov	4 13:41	/dev/usb/1.1.1
88	0 crw-----	1 root	operator	0,	88 Nov	4 13:41	/dev/usb/2.1.1
92	0 crw-----	1 root	operator	0,	92 Nov	4 13:41	/dev/usb/1.2.0
94	0 crw-----	1 root	operator	0,	94 Nov	4 13:41	/dev/usb/2.2.0
96	0 crw-----	1 root	operator	0,	96 Nov	4 13:41	/dev/usb/1.2.1
97	0 crw-----	1 root	operator	0,	97 Nov	4 13:41	/dev/usb/2.2.1
98	0 crw-----	1 root	operator	0,	98 Nov	4 13:41	/dev/usb/1.3.0
100	0 crw-----	1 root	operator	0,	100 Nov	4 13:41	/dev/usb/2.3.0
102	0 crw-----	1 root	operator	0,	102 Nov	4 13:41	/dev/usb/2.3.1
103	0 crw-----	1 root	operator	0,	103 Nov	4 13:41	/dev/usb/2.3.2
104	0 crw-----	1 root	operator	0,	104 Nov	4 13:41	/dev/usb/1.3.1
105	0 crw-----	1 root	operator	0,	105 Nov	4 13:41	/dev/usb/1.3.2
114	0 crw-----	1 root	operator	0,	114 Nov	4 13:41	/dev/usb/2.4.0
116	0 crw-----	1 root	operator	0,	116 Nov	4 13:41	/dev/usb/2.4.1
117	0 crw-----	1 root	operator	0,	117 Nov	4 13:41	/dev/usb/2.5.0
119	0 crw-----	1 root	operator	0,	119 Nov	4 13:41	/dev/usb/2.5.1
128	0 crw-----	1 root	operator	0,	128 Nov	4 13:43	/dev/usb/2.6.0
130	0 crw-----	1 root	operator	0,	130 Nov	4 13:43	/dev/usb/2.6.1
131	0 crw-----	1 root	operator	0,	131 Nov	4 13:43	/dev/usb/2.6.2
81	0 lrwxr-xr-x	1 root	wheel	9 Nov	4 13:41	/dev/ugen0.1 ->	usb/0.1.0
83	0 lrwxr-xr-x	1 root	wheel	9 Nov	4 13:41	/dev/ugen1.1 ->	usb/1.1.0
85	0 lrwxr-xr-x	1 root	wheel	9 Nov	4 13:41	/dev/ugen2.1 ->	usb/2.1.0
89	0 cr-----	1 root	wheel	0,	89 Nov	4 13:41	/dev/devstat
90	0 crw-----	1 root	operator	0,	90 Nov	4 13:41	/dev/pass0
91	0 crw-r-----	1 root	operator	0,	91 Nov	4 13:41	/dev/cd0
93	0 lrwxr-xr-x	1 root	wheel	9 Nov	4 13:41	/dev/ugen1.2 ->	usb/1.2.0
95	0 lrwxr-xr-x	1 root	wheel	9 Nov	4 13:41	/dev/ugen2.2 ->	usb/2.2.0
99	0 lrwxr-xr-x	1 root	wheel	9 Nov	4 13:41	/dev/ugen1.3 ->	usb/1.3.0
101	0 lrwxr-xr-x	1 root	wheel	9 Nov	4 13:41	/dev/ugen2.3 ->	usb/2.3.0
106	0 crw-----	1 root	wheel	0,	106 Nov	4 13:41	/dev/ukbd0
107	0 lrwxr-xr-x	1 root	wheel	5 Nov	4 13:41	/dev/kbd0 ->	ukbd0
108	0 crw-r--r--	1 root	operator	0,	108 Nov	4 13:41	/dev/ums0
109	0 crw-----	1 root	operator	0,	109 Nov	4 13:41	/dev/pass1
110	0 crw-r-----	1 root	operator	0,	110 Nov	4 13:41	/dev/da0
111	0 crw-r-----	1 root	operator	0,	111 Nov	4 13:41	/dev/da0a
126	1 dr-xr-xr-x	2 root	wheel	512 Nov	4 13:41	/dev/ufs	
113	0 crw-r-----	1 root	operator	0,	113 Nov	4 13:41	/dev/ufs/FreeBSD_Install
115	0 lrwxr-xr-x	1 root	wheel	9 Nov	4 13:41	/dev/ugen2.4 ->	usb/2.4.0
118	0 lrwxr-xr-x	1 root	wheel	9 Nov	4 13:41	/dev/ugen2.5 ->	usb/2.5.0
120	0 crw-----	1 root	wheel	0,	120 Nov	4 13:41	/dev/ukbd1
121	0 lrwxr-xr-x	1 root	wheel	5 Nov	4 13:41	/dev/kbd2 ->	ukbd1
112	0 crw-r-----	1 root	operator	0,	112 Nov	4 13:41	/dev/md0
127	0 crw-r-----	1 root	operator	0,	127 Nov	4 13:41	/dev/md1
129	0 lrwxr-xr-x	1 root	wheel	9 Nov	4 13:44	/dev/ugen2.6 ->	usb/2.6.0
132	0 crw-----	1 root	operator	0,	132 Nov	4 13:44	/dev/pass2
133	0 crw-r-----	1 root	operator	0,	133 Nov	4 13:44	/dev/da1
134	0 crw-r-----	1 root	operator	0,	134 Nov	4 13:44	/dev/da1s1

更新履歷

更新履歴

- 2015年11月04日 FreeBSD動作検証レポート2015年11月4日版作成

FreeBSD動作検証レポート

R120f-1E / 9.2-RELEASE

対象ハードウェア

maker:NEC, product:Express5800/R120f-1E
[N8100-2248Y], serial:5200107, version:FR1.0

対象OSバージョン

FreeBSD 9.2-RELEASE #0 r255898: Thu Sep 26
22:50:31 UTC 2013

2015年11月4日版

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