

# FreeBSD動作検証レポート

## T110h-S / 10.1-RELEASE

### 対象ハードウェア

maker:NEC, product:Express5800/T110h-S  
[N8100-2301Y], serial:6200112, version:FR1.1

### 対象OSバージョン

FreeBSD 10.1-RELEASE #0 r274401: Tue Nov 11  
21:02:49 UTC 2014

2016年5月23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	a31488c6-db45-11e5-8001-408d5ca9e535
製品データ	maker:NEC, product:Express5800/T110h-S [N8100-2301Y], serial:6200112, version:FR1.1
筐体データ	maker:NEC, serial:04, tag:_____, version:856-061964-001
CPU	Intel(R) Xeon(R) CPU E3-1230 v5 @ 3.40GHz
MEMORY	16777216[KB]
BIOS	reldate:12/21/2015, vendor:American Megatrends Inc., version:5.0.0008
ACPI	oem:AMI , revision:2, rsdp:0x000f05b0, rsdt:0x75778028, xsdt:0x0000000075778080
OS	FreeBSD 10.1-RELEASE #0 r274401: Tue Nov 11 21:02:49 UTC 2014

## 基礎性能データ

メモリアクセス速度	49.717 GBi/sec
IPv4スタック処理速度	699.843 MBi/sec
IPv6スタック処理速度	582.282 MBi/sec

## 動作検証要約

### lwayアーキテクチャ

FreeBSD 10.1-RELEASE #0 r274401: Tue Nov 11 21:02:49 UTC 2014は、次の条件を満たす場合に検証対象ハードウェア「maker:NEC, product:Express5800/T110h-S [N8100-2301Y], serial:6200112, version:FR1.1」において正常に動作する。

- BIOSをレガシーモードで使用
- BIOSにてx2APICの設定を無効化
- 512バイトセクタのストレージを使用
- LSI MegaRAID RAIDコントローラドライバとしてmfi(4)ではなくmrsas(4)を使用

工場出荷時のBIOSはUEFIブートを使用する設定になっているため、次のようにBIOSの設定を変更する必要がある。

システム起動時、マザーボードの起動画面が表示されたらF2キーを押してBIOSの設定モードに入る。

```
Version 2.16.1243n Copyright (C) 2014 American Megatrends, Inc.
BIOS Date: 12/19/2014 21:29:27 Ver: 5.0.0005

2 Processor(s) Detected, Core(s) per Processor = 6
Intel(R) Xeon(R) CPU E5-2603 v3 @ 1.60GHz
6x256 KB L2 Cache, 15360 KB L3 Cache

65536 MB System RAM Passed
Memory Mode: Independent

IPMI Base Board Management Controller was detected.
Device ID      : 88      Device Revision   : 01
IPMI Version   : 2.0    Firmware Revision : 02.11
Self Test Result : 5500

Press <F2> SETUP, <F3> Internal Flash Memory, <F4> ROM Utility, <F12> Network
```

カーソルキーでBootを選択し、さらに項目「Boot Mode」に合わせてからEnterキーを押す。

```
Aptio Setup Utility - Copyright (C) 2014 American Megatrends, Inc.
Main Advanced Security Server Boot Save & Exit

-----
| Boot Configuration                                     |Select boot mode|
| * Quiet Boot [Unavailable]                            |UEFI/Legacy.   |
| *****                                              |                |
| Setup Notice :                                       |                |
| When the console redirection settings are            |                |
| configured to enable, "Quiet Boot"                  |                |
| operates in the state of [Disabled].                |                |
| *****                                              |                |
| Bootup NumLock State [Off]                            |                |
| Setup Prompt Timeout 0                               |                |
|                                                        |                |
| Boot Mode [UEFI]                                     |                |
|                                                        |                |
| Boot Option Priorities                               |                |
| Boot Option #1 [CD/DVD]                              |                |
| Boot Option #2 [Removable]                           |                |
| Boot Option #3 [HDD]                                 |                |
| Boot Option #4 [Network]                             |                |
|-----|-----|
| F1: General Help                                     |
| F4: Save & Exit Setup                               |
| ESC: Exit                                           |
|-----|-----|
Version 2.16.1243n Copyright (C) 2014 American Megatrends, Inc.
AB
```

表示される項目からLegacyを選択してEnterキーを押す。

```
Aptio Setup Utility - Copyright (C) 2014 American Megatrends, Inc.
Main Advanced Security Server Boot Save & Exit

-----
| Boot Configuration                                     | Select boot mode | |
| * Quiet Boot [Unavailable]                           | UEFI/Legacy.    |
| *****                                             |                  |
| Setup Notice :                                       |                  |
| When the console redirection settings are           |                  |
| configured to enable, "Quiet Boot"                  |                  |
| operates in the state of [Disabled].                 |                  |
| *****                                             |                  |
| Bootup NumLock State [0] Legacy                     |                  |
| Setup Prompt Timeout 0 | UEFI                       |                  |
| Boot Mode [UEFI]                                     |                  |
| Boot Option Priorities                               |                  |
| Boot Option #1 [CD/DVD]                              |                  |
| Boot Option #2 [Removable]                          |                  |
| Boot Option #3 [HDD]                                | F1: General Help |
| Boot Option #4 [Network]                            | F4: Save & Exit Setup |
|                                                         | ESC: Exit        |
|-----|-----|
| Version 2.16.1243n Copyright (C) 2014 American Megatrends, Inc. |
| AB |
```

カーソルキーでSave & Exitを選択し、さらに項目「Save Changes and Exit」に合わせてからEnterキーを押して設定の保存と再起動を実行する。

```
Aptio Setup Utility - Copyright (C) 2014 American Megatrends, Inc.
Main Advanced Security Server Boot Save & Exit

-----
| Save & Exit Options                                   | Exit system setup |
| Save Changes and Exit                               | after saving the  |
| Discard Changes and Exit                            | changes.          |
| Save Changes and Power Off                          |                  |
| Discard Changes and Power Off                       |                  |
| Load Setup Defaults                                 |                  |
|                                                         |                  |
|                                                         | F1: General Help  |
|                                                         | F4: Save & Exit Setup |
|                                                         | ESC: Exit         |
|-----|-----|
| Version 2.16.1243n Copyright (C) 2014 American Megatrends, Inc. |
| AB |
```

なお、512バイトセクタのストレージに関しては注文時にその旨を伝える必要がある。

x2APICの無効化は次のように行う。

システム起動時、マザーボードの起動画面が表示されたらF2キーを押してBIOSの設定モードに入る。

```
Version 2.16.1243n Copyright (C) 2014 American Megatrends, Inc.
BIOS Date: 12/19/2014 21:29:27 Ver: 5.0.0005

2 Processor(s) Detected, Core(s) per Processor = 6
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65536 MB System RAM Passed
Memory Mode: Independent

IPMI Base Board Management Controller was detected.
Device ID      : 88      Device Revision : 01
IPMI Version   : 2.0    Firmware Revision : 02.11
Self Test Result : 5500

Press <F2> SETUP, <F3> Internal Flash Memory, <F4> ROM Utility, <F12> Network
B4
```

カーソルキーでAdvancedを選択し、さらに項目「Processor Configuration」に合わせてからEnterキーを押す。

```
Aptio Setup Utility - Copyright (C) 2014 American Megatrends, Inc.
Main Advanced Security Server Boot Save & Exit

|> Processor Configuration          |Processor
|> Memory Configuration            |Configuration
|> PCI Configuration               |parameters.
|> Advanced Chipset Configuration |
|> Storage Configuration          |
|> USB Configuration              |
|> Serial Port Configuration       |
|> Network Stack Configuration    |
|> UEFI Driver Configuration      |
| *****                          |
| Setup Notice :                   |
| When "Boot Mode" is set to [Legacy], |
| "Network Stack Configuration" and  |
| "UEFI Driver Configuration" cannot be |
| configured.                       |
| *****                          |
|                                     |F1: General Help
|                                     |F4: Save & Exit Setup
|                                     |ESC: Exit
|-----|
Version 2.16.1243n Copyright (C) 2014 American Megatrends, Inc.
AB
```

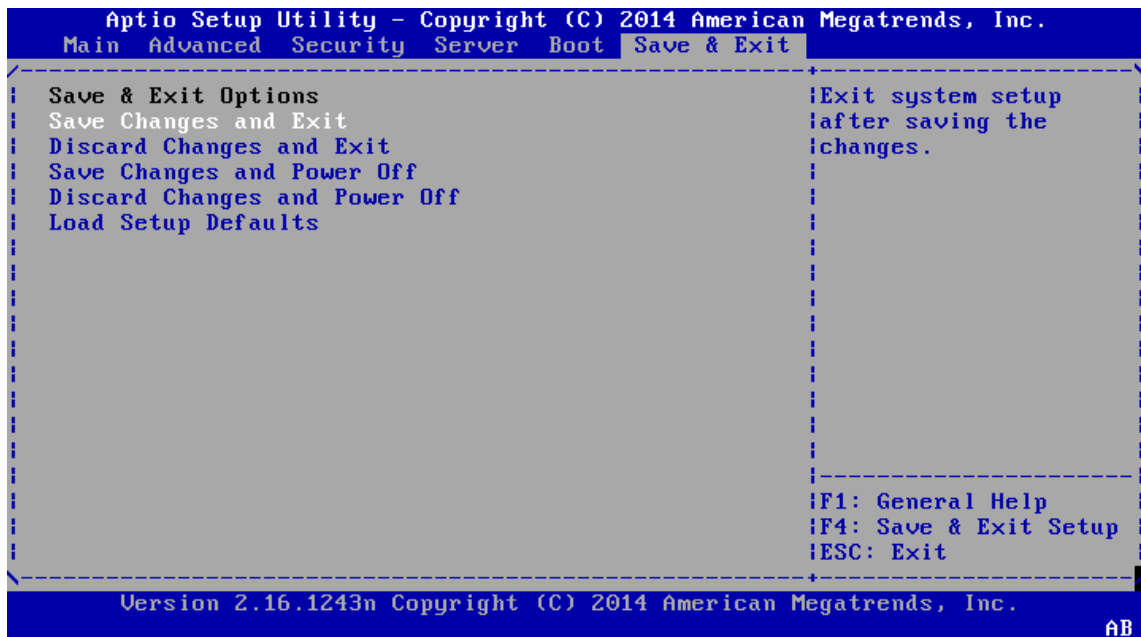
カーソルキーでX2APICを選択してEnterキーを押す。

```
Aptio Setup Utility - Copyright (C) 2014 American Megatrends, Inc.
Advanced
-----
|> Processor Information                               |Disables/Enables
|> Processor Power Management                       |extended APIC
|                                                    |support.
| DCU IP Prefetcher [Enabled]                       |
| DCU Streamer [Enabled]                           |
| Prefetcher                                           |
| Hardware Prefetcher [Enabled]                     |
| Adjacent Cache Line Prefetch [Enabled]            |
|                                                    |
| Execute Disable Bit [Enabled]                     |
| UT-x [Enabled]                                     |
| Active Processor Cores 6                           |
| PPIN Support [Disabled]                           |
| X2APIC [Enabled]                                   |
|                                                    |
|                                                    |F1: General Help
|                                                    |F4: Save & Exit Setup
|                                                    |ESC: Exit
-----
Version 2.16.1243n Copyright (C) 2014 American Megatrends, Inc.
AB
```

表示される項目からDisabledを選択してEnterキーを押す。

```
Aptio Setup Utility - Copyright (C) 2014 American Megatrends, Inc.
Advanced
-----
|> Processor Information                               |Disables/Enables
|> Processor Power Management                       |extended APIC
|                                                    |support.
| DCU IP Prefetcher [Enabled]                       |
| DCU Streamer [Enabled]                           |
| Prefetcher                                           |
| Hardware Prefetcher [Enabled]                     |
| Adjacent Cache Line Prefetch [Enabled]            |
|                                                    |
| Execute Disable Bit [Enabled]                     |
| UT-x [Enabled]                                     |
| Active Processor Cores 6                           |
| PPIN Support [Disabled]                           |
| X2APIC [Enabled]                                   |
|                                                    |
|                                                    |F1: General Help
|                                                    |F4: Save & Exit Setup
|                                                    |ESC: Exit
-----
Version 2.16.1243n Copyright (C) 2014 American Megatrends, Inc.
AB
```

カーソルキーでSave & Exitを選択し、さらに項目「Save Changes and Exit」に合わせてからEnterキーを押して設定の保存と再起動を実行する。



FreeBSD 10.1-RELEASEはデフォルトではLSI MegaRAID RAIDコントローラドライバとしてmfi(4)を使用する。このため、インストーラを起動する段階でmfi(4)ではなくmrsas(4)を使用するように設定を変更する必要がある。



インストーラ起動時にブートローダが表示された段階で3キーを押し、ローダプロンプトへ移行する。



```
+-----Welcome to FreeBSD-----+
|
| 1. Boot Multi User [Enter]
| 2. Boot [S]ingle User
| 3. [E]scape to loader prompt
| 4. Reboot
|
| Options:
| 5. [K]ernel: kernel (1 of 2)
| 6. [O]ptions: Configure Boot [O]ptions...
|
+-----+

To get back to the menu, type `menu` and press ENTER
or type `boot` and press ENTER to start FreeBSD.

Type '?' for a list of commands, 'help' for more detailed help.
OK
```

ローダプロンプトで次のように入力を実施。mfi(4)を無効化し、mrsas(4)を有効化したインストーラを起動する。

```
set hw.mfi.mrsas_enable=1
boot
```

インストールの最後の段階でLive CDの起動を選択し、/mnt/boot/loader.confに次の設定を書き込む。

```
hw.mfi.mrsas_enable=1
```

x2APICへの対応は将来のバージョンで取り組まれる見通し。それまではx2APICの機能を無効化しておく必要がある。

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。

起動にPEXブートやUSBメモリからの起動を使用するということであれば、LSI MegaRAID RAIDコントローラドライバとしてmfi(4)ではなくmrsas(4)を使用することでFreeBSD側から利用できるようにすることもできる。

インストールしたFreeBSD 10.1-RELEASE #0 r274401: Tue Nov 11 21:02:49 UTC 2014をFreeBSD 11.0-RELEASEやそれ以降のバージョンにアップグレードする場合には注意が必要。FreeBSD 11.0-RELEASEにはLSI MegaRAID SASドライバとしてmfi(4)ではなくmrsas(4)がデフォルトでアタッチされるように挙動が変更される可能性がある。

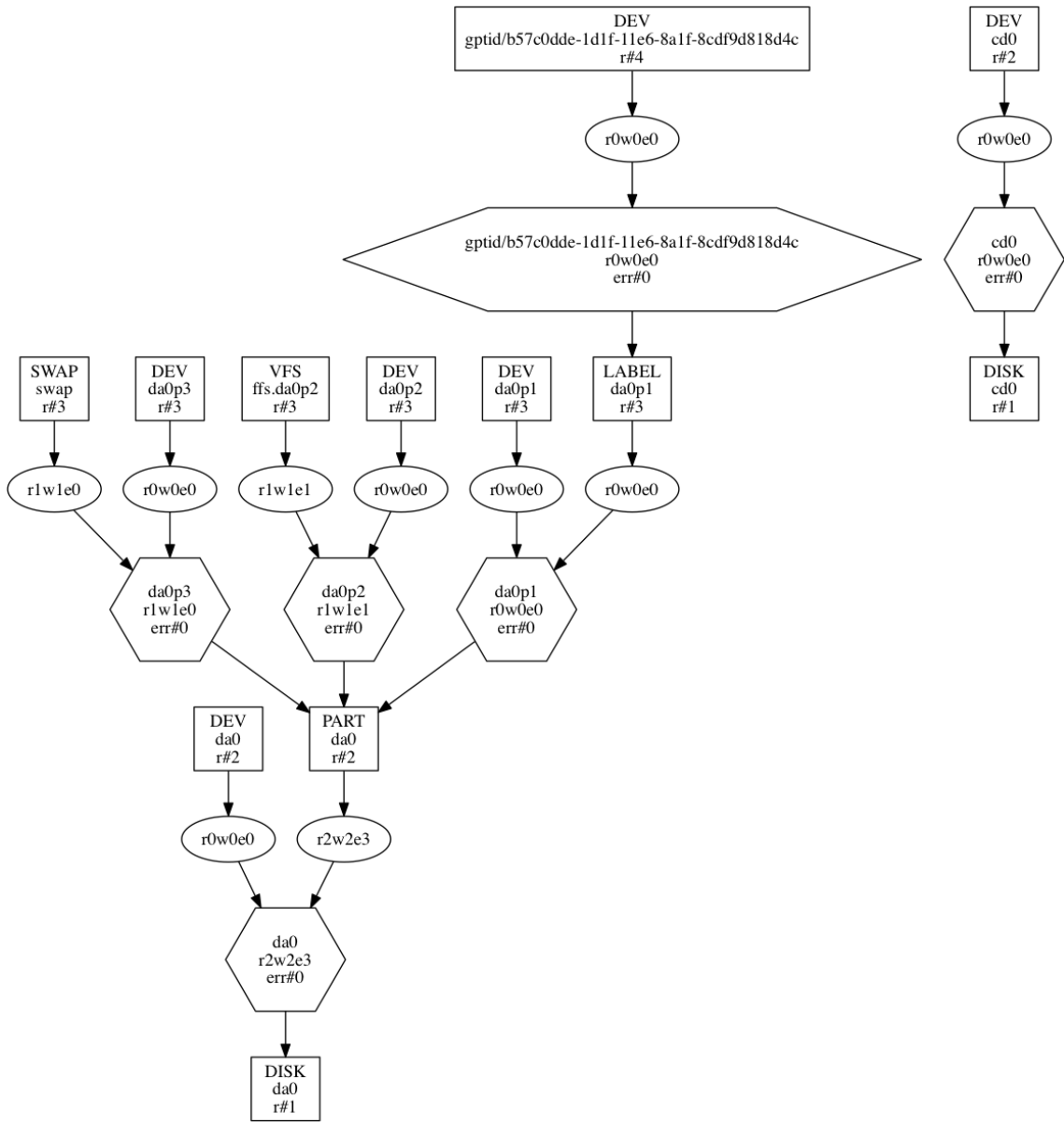
LSI MegaRAID SASドライバとしてmrsas(4)が使われた場合、/dev/以下に表示されるファイル名は次のように変更される。

```
mfi0    → mrsas0
mfid0   → da0
mfid0s1 → da0s1a
mfid0s2 → da0s1b
```

論理パーティションの表示や名称は今後変更される可能性もあり、上記とは違う名前になる可能性もある。アップグレード対象のバージョンのリリースノートを参考にするとともに、適切な名称で/etc/fstabを書き換えるなどしてアップグレードを実施する必要がある。

FreeBSDプロジェクトは、FreeBSD 11.0-RELEASE以降はブランチでの最低5年間サポートの開始を予定している。FreeBSD 11.0-RELEASE以降は、ブランチにおける最新のリリースバージョンのみがサポートの対象となる。このため、FreeBSD 11.0-RELEASE以降はマイナーアップグレードごとにアップグレードを実施し、FreeBSD 11.1-RELEASE、FreeBSD 11.2-RELEASEへとバージョンアップを実施する必要がある。カーネルをカスタマイズしない限り、freebsd-update(8)コマンドを使ってバイナリアップデートを実施できる。

# 検証機GEOMツリー



# 高負荷耐久試験

# 高負荷耐久試験

## 試験結果

検証対象ハードウェア(maker:NEC, product:Express5800/T110h-S [N8100-2301Y], serial:6200112, version:FR1.1)は24時間高負荷耐久試験をクリアしており、所定の負荷に対して安定して動作するものとみられる。

不正処理高負荷耐久試験	クリア
通常ファイル作成高負荷耐久試験	クリア
FIFOファイル作成高負荷耐久試験	クリア
ディレクトリ作成高負荷耐久試験	クリア
ハードリンクファイル作成高負荷耐久試験	クリア
シンボリックリンクファイル作成高負荷耐久試験	クリア
ファイルロック機構高負荷耐久試験	クリア
メモリファイルマッピング機能高負荷耐久試験	クリア
ファイルシステム階層構造トラバース高負荷耐久試験	クリア
ファイルシステムパス解析高負荷耐久試験	クリア
ファイルシステムパスリネーム高負荷耐久試験	クリア
ファイルシステムライト・キャッシュリード高負荷耐久試験	クリア
ファイルシステムスワップ高負荷耐久試験	クリア
スレッド機構高負荷耐久試験	クリア
間接システムコール高負荷耐久試験	クリア
擬似ターミナル機構高負荷耐久試験	クリア
共有メモリ機構高負荷耐久試験	クリア
ネットワークソケット高負荷耐久試験	クリア
TCPスタック高負荷耐久試験	クリア
UDPスタック高負荷耐久試験	クリア

# 動作検証レポート

# 動作検証レポート

## ACPI認識データ

ACPI_APIC	Revision=3, OEMID=AMI, OEM_Table ID=0707, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_BERT	Revision=1, OEMID=AMI, OEM_Table ID=AMI.BERT, OEM_Revision=0x0, Creator_ID=AMI., Creator_Revision=0x0
ACPI_DMAR	Revision=1, OEMID=INTEL, OEM_Table ID=SKL, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x1
ACPI_DSDT	Revision=2, OEMID=AMI, OEM_Table ID=0707, OEM_Revision=0x1072009, Creator_ID=INTL, Creator_Revision=0x20120913
ACPI_FACP	Revision=5, OEMID=AMI, OEM_Table ID=0707, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013, FACS=0x75f48f80, DSDT=0x75778198, SMI_CMD=0xb2, ACPI_ENABLE=0xa0, ACPI_DISABLE=0xa1, S4BIOS_REQ=0x0, FLUSH_STRIDE=16, DUTY_WIDTH=0
ACPI_FACS	HwSig=0x9b26372b, Firm_Wake_Vec=0x00000000
ACPI_FIDT	Length=156, Revision=1, Checksum=81, OEMID=AMI, OEM_Table ID=0707, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_HPET	Revision=1, OEMID=AMI, OEM_Table ID=0707, OEM_Revision=0x1072009, Creator_ID=AMI., Creator_Revision=0x5000b
ACPI_MCFG	Revision=1, OEMID=AMI, OEM_Table ID=0707, OEM_Revision=0x1072009, Creator_ID=MSFT, Creator_Revision=0x97
ACPI_RSD_PTR	OEM=AMI, ACPI_Rev=2.0x_(2), XSDT=0x75778080
ACPI_XSDT	Revision=1, OEMID=AMI, OEM_Table ID=0707, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_SSDT_1	Length=877, Revision=1, Checksum=58, OEMID=SataRe, OEM_Table ID=SataTabl, OEM_Revision=0x1000, Creator_ID=INTL, Creator_Revision=0x20120913
ACPI_SSDT_2	Length=8099, Revision=2, Checksum=2, OEMID=SaSsd, OEM_Table ID=SaSsd, OEM_Revision=0x3000, Creator_ID=INTL, Creator_Revision=0x20120913
ACPI_SSDT_3	Length=3672, Revision=2, Checksum=241, OEMID=CpuRef, OEM_Table ID=CpuSsd, OEM_Revision=0x3000, Creator_ID=INTL, Creator_Revision=0x20120913
ACPI_SSDT_4	Length=869, Revision=2, Checksum=252, OEMID=PmRef, OEM_Table ID=Cpu0Tst, OEM_Revision=0x3000, Creator_ID=INTL, Creator_Revision=0x20120913
ACPI_SSDT_5	Length=959, Revision=2, Checksum=69, OEMID=PmRef, OEM_Table ID=ApTst, OEM_Revision=0x3000, 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。

## NMIデバイス認識データ

NMIスイッチ動作確認	クリア
-------------	-----

※ NMI機能を使用するには、"options DDB"を有効にしたカーネルである必要がある。また、sysctl(8)の"machdep.panic\_on\_nmi"及び"machdep.kdb\_on\_nmi"の値がともに"1"である必要がある。



## NIC認識データ

NIC	bge0, bge1, bge2, bge3, bge4, bge5, bge6, bge7, bge8, bge9
bge0	flags=8802<BROADCAST,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=8c:df:9d:81:8d:4c, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect
bge1	flags=8802<BROADCAST,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=8c:df:9d:81:8d:4d, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect
bge2	flags=8802<BROADCAST,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=8c:df:9d:81:8d:4e, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect
bge3	flags=8802<BROADCAST,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=8c:df:9d:81:8d:4f, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect
bge4	flags=8802<BROADCAST,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=8c:df:9d:81:8d:40, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect
bge5	flags=8802<BROADCAST,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=8c:df:9d:81:8d:41, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect
bge6	flags=8802<BROADCAST,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=8c:df:9d:81:8d:42, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect
bge7	flags=8802<BROADCAST,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=8c:df:9d:81:8d:43, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect
bge8	flags=8843<UP, BROADCAST, RUNNING, SIMPLEX, MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=40:8d:5c:a9:e5:33, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect (none), status=no carrier
bge9	flags=8802<BROADCAST,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=40:8d:5c:a9:e5:34, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect

## カーネルデバイス認識データ

acpi	apm	apmctl	atkbd0
audit	bpf	bpf0(bpf)	cd0
console	consolectl	ctty	cuau0
cuau0.init	cuau0.lock	cuau1	cuau1.init
cuau1.lock	da0	da0p1	da0p2
da0p3	devctl	devstat	dumpdev(da0p3)
fd	fd/0	fd/1	fd/2
fido	geom.ctl	gptid	gptid/b57c0dde-1d1f-11e6-8a1f-8cdf9d818d4c
io	kbd0(atkbd0)	kbd1(kbdmux0)	kbd2(ukbd0)
kbd3(ukbd1)	kbdmux0	klog	kmem
led	led/ahci0.0.fault	led/ahci0.0.locate	led/ahci0.1.fault
led/ahci0.1.locate	led/ahci0.2.fault	led/ahci0.2.locate	led/ahci0.3.fault

led/ahci0.3.locate	led/ahci0.4.fault	led/ahci0.4.locate	log(/var/run/log)
mdctl	mem	midistat	mrsas0
nfslock	null	pass0	pass1
pass2	pci	random	ses0
sndstat	stderr(fd/2)	stdin(fd/0)	stdout(fd/1)
sysmouse	ttyu0	ttyu0.init	ttyu0.lock
ttyu1	ttyu1.init	ttyu1.lock	ttyv0
ttyv1	ttyv2	ttyv3	ttyv4
ttyv5	ttyv6	ttyv7	ttyv8
ttyv9	ttyva	ttyvb	ttyvc
ttyvd	ttyve	ttyvf	ufssuspend
ugen0.1(usb/0.1.0)	ugen0.2(usb/0.2.0)	ugen0.3(usb/0.3.0)	ugen0.4(usb/0.4.0)
ukbd0	ukbd1	urandom(random)	usb
usb/0.1.0	usb/0.1.1	usb/0.2.0	usb/0.2.1
usb/0.3.0	usb/0.3.1	usb/0.4.0	usb/0.4.1
usb/0.4.2	usbctl	xpt0	zero

## PCI認識データ

1	pci0:0:0:0(hostb0), class=HOST-PCI, vendor='Intel Corporation', device=
2	pci0:0:1:0(pcib1), class=PCI-PCI, vendor='Intel Corporation', device=
3	pci0:0:20:0(xhci0), class=USB, vendor='Intel Corporation', device=
4	pci0:0:20:2(none0), class=dasp, vendor='Intel Corporation', device=
5	pci0:0:22:0(none1), class=simple comms, vendor='Intel Corporation', device=
6	pci0:0:22:1(none2), class=simple comms, vendor='Intel Corporation', device=
7	pci0:0:23:0(ahci0), class=SATA, vendor='Intel Corporation', device=
8	pci0:0:27:0(pcib2), class=PCI-PCI, vendor='Intel Corporation', device=
9	pci0:0:27:3(pcib3), class=PCI-PCI, vendor='Intel Corporation', device=
10	pci0:0:28:0(pcib4), class=PCI-PCI, vendor='Intel Corporation', device=
11	pci0:0:28:3(pcib5), class=PCI-PCI, vendor='Intel Corporation', device=
12	pci0:0:28:4(pcib6), class=PCI-PCI, vendor='Intel Corporation', device=
13	pci0:0:29:0(pcib7), class=PCI-PCI, vendor='Intel Corporation', device=
14	pci0:0:31:0(isab0), class=PCI-ISA, vendor='Intel Corporation', device=
15	pci0:0:31:2(none3), class=memory, vendor='Intel Corporation', device=
16	pci0:0:31:4(none4), class=SMBus, vendor='Intel Corporation', device=
17	pci0:48:0:0(bge0), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5719 Gigabit Ethernet PCIe'
18	pci0:48:0:1(bge1), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5719 Gigabit Ethernet PCIe'
19	pci0:48:0:2(bge2), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5719 Gigabit Ethernet PCIe'
20	pci0:48:0:3(bge3), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5719 Gigabit Ethernet PCIe'
21	pci0:95:0:0(vgapci0), class=VGA, vendor='Matrox Electronics Systems Ltd.', device='MGA G200e [Pilot] ServerEngines (SEP1)'
22	pci0:96:0:0(bge4), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5719 Gigabit Ethernet PCIe'
23	pci0:96:0:1(bge5), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5719 Gigabit Ethernet PCIe'
24	pci0:96:0:2(bge6), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5719 Gigabit Ethernet PCIe'
25	pci0:96:0:3(bge7), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5719 Gigabit Ethernet PCIe'
26	pci0:143:0:0(bge8), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5720 Gigabit Ethernet PCIe'
27	pci0:143:0:1(bge9), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5720 Gigabit Ethernet PCIe'
28	pci0:144:0:0(mrsas0), class=RAID, vendor='LSI Logic / Symbios Logic', device='MegaRAID SAS-3 3108 [Invader]'

## 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	0x7c000000/0x40000000 BIOS uncacheable set-by-firmware active
91	0x7a000000/0x20000000 BIOS uncacheable set-by-firmware active
92	0x79000000/0x10000000 BIOS uncacheable set-by-firmware active
93	0x78800000/0x80000000 BIOS uncacheable set-by-firmware active

## 動作検証レポート 詳細データ

# 詳細データ

## カーネル環境変数データ詳細一覧

```
LINES="24"
bootfile="kernel"
comconsole_pcidv=""
comconsole_port="1016"
comconsole_speed="9600"
console="vidconsole"
currdev="disk0p2:"
hint.acpi.0.oem="AMI"
hint.acpi.0.revision="2"
hint.acpi.0.rsdv="0x000f05b0"
hint.acpi.0.rsdt="0x75778028"
hint.acpi.0.xsdt="0x0000000075778080"
hint.acpi.0.xsdt_length="36"
hint.atkbd.0.at="atkbd"
hint.atkbd.0.irq="1"
hint.atkbd.0.at="isa"
hint.atkbd.0.port="0x060"
hint.atrtc.0.at="isa"
hint.atrtc.0.irq="8"
hint.atrtc.0.port="0x70"
hint.attimer.0.at="isa"
hint.attimer.0.irq="0"
hint.attimer.0.port="0x40"
hint.fd.0.at="fdc0"
hint.fd.0.drive="0"
hint.fd.1.at="fdc0"
hint.fd.1.drive="1"
hint.fdc.0.at="isa"
hint.fdc.0.drq="2"
hint.fdc.0.irq="6"
hint.fdc.0.port="0x3F0"
hint.ppc.0.at="isa"
hint.ppc.0.irq="7"
hint.psm.0.at="atkbd"
hint.psm.0.irq="12"
hint.sc.0.at="isa"
hint.sc.0.flags="0x100"
hint.uart.0.at="isa"
hint.uart.0.flags="0x10"
hint.uart.0.irq="4"
hint.uart.0.port="0x3F8"
hint.uart.1.at="isa"
hint.uart.1.irq="3"
hint.uart.1.port="0x2F8"
hint.wbwd.0.at="isa"
hw.mfi.mrsas_enable="1"
interpret="OK"
kernel="kernel"
kernel[0]="kernel"
kernel[1]="kernel.old"
kernel_options=""
kernelname="/boot/kernel/kernel"
loaddev="disk0p2:"
loader_conf_files="/boot/device.hints /boot/loader.conf /boot/loader.conf.local"
mac_ifoff="NO"
module_path="/boot/kernel;/boot/modules"
smbios.bios.reldate="12/21/2015"
smbios.bios.vendor="American Megatrends Inc."
smbios.bios.version="5.0.0008"
smbios.chassis.maker="NEC"
smbios.chassis.serial="04"
smbios.chassis.tag="-----"
smbios.chassis.version="856-061964-001"
smbios.memory.enabled="1677216"
smbios.planar.maker="GIGABYTE"
smbios.planar.product="GA-6KASV3-NJ"
smbios.planar.serial="0FHC51500200"
smbios.planar.version="1.0C"
smbios.socket.enabled="1"
smbios.socket.populated="1"
smbios.system.maker="NEC"
smbios.system.product="Express5800/T110h-S [N8100-2301Y]"
smbios.system.serial="6200112"
smbios.system.uuid="a31488c6-db45-11e5-8001-408d5ca9e535"
smbios.system.version="FR1.1"
```



```
smbios.version="3.0"  
temp_options=""  
vfs.root.mountfrom="ufs:/dev/da0p2"  
vfs.root.mountfrom.options="rw"
```

# カーネルステートデータ詳細一覧

```
kern.ostype: FreeBSD
kern.osrelease: 10.1-RELEASE
kern.osrevision: 199506
kern.version: FreeBSD 10.1-RELEASE #0 r274401: Tue Nov 11 21:02:49 UTC 2014
root@releagl.nyi.freebsd.org:/usr/obj/usr/src/sys/GENERIC
kern.maxvnodes: 348599
kern.maxproc: 21684
kern.maxfiles: 521494
kern.argmax: 262144
kern.securelevel: -1
kern.hostname: verify.bsdconsulting.co.jp
kern.hostid: 4164230218
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 = 1463971794, usec = 163202 } Mon May 23 11:49:54 2016
kern.domainname:
kern.osreldate: 1001000
kern.bootfile: /boot/kernel/kernel
kern.maxfilesperproc: 469341
kern.maxprocperuid: 19515
kern.ipc.maxsockbuf: 2097152
kern.ipc.sockbuf_waste_factor: 8
kern.ipc.max_linkhdr: 16
kern.ipc.max_protohdr: 60
kern.ipc.max_hdr: 76
kern.ipc.max_datalen: 92
kern.ipc.maxmbufmem: 8296433664
kern.ipc.nmbclusters: 1012748
kern.ipc.nmbjumbop: 506374
kern.ipc.nmbjumbo9: 450108
kern.ipc.nmbjumbo16: 337580
kern.ipc.nmbufs: 6481590
kern.ipc.maxpipekva: 267001856
kern.ipc.pipekva: 0
kern.ipc.piperefragetry: 0
kern.ipc.pipeallocfail: 0
kern.ipc.piperesizefail: 0
kern.ipc.piperesizeallowed: 1
kern.ipc.msgmax: 16384
kern.ipc.msgmni: 40
kern.ipc.msgmnb: 2048
kern.ipc.msgql: 40
kern.ipc.msgsz: 8
kern.ipc.msgseg: 2048
kern.ipc.semni: 50
kern.ipc.semms: 340
kern.ipc.semnu: 150
kern.ipc.semmsl: 340
kern.ipc.semopm: 100
kern.ipc.semume: 50
kern.ipc.semusz: 632
kern.ipc.semvmx: 32767
kern.ipc.semaem: 16384
kern.ipc.shmax: 536870912
kern.ipc.shmmni: 1
kern.ipc.shmmni: 192
kern.ipc.shmseg: 128
kern.ipc.shmall: 131072
kern.ipc.shm_use_phys: 0
kern.ipc.shm_allow_removed: 0
kern.ipc.soacceptqueue: 128
kern.ipc.numopensockets: 13
kern.ipc.maxsockets: 521495
kern.ipc.sendfile.readahead: 1
kern.dummy: 0
kern.ps_strings: 140737488351200
kern.usrstack: 140737488351232
kern.logsigexit: 1
kern.iov_max: 1024
kern.hostuuid: a31488c6-db45-11e5-8001-408d5ca9e535
kern.cam.sort_io_queues: 1
kern.cam.boot_delay: 0
kern.cam.num_doneqs: 2
kern.cam.dflags: 0
kern.cam.debug_delay: 0
kern.cam.pmp.retry_count: 1
kern.cam.pmp.default_timeout: 30
kern.cam.pmp.hide_special: 1
kern.cam.cam_srch_hi: 0
kern.cam.scsi_delay: 5000
kern.cam.cd.poll_period: 3
kern.cam.cd.retry_count: 4
```

kern.cam.cd.timeout: 30000  
kern.cam.cd.0.minimum\_cmd\_size: 6  
kern.cam.ada.legacy\_aliases: 1  
kern.cam.ada.retry\_count: 4  
kern.cam.ada.default\_timeout: 30  
kern.cam.ada.send\_ordered: 1  
kern.cam.ada.spindown\_shutdown: 1  
kern.cam.ada.spindown\_suspend: 1  
kern.cam.ada.read\_ahead: 1  
kern.cam.ada.write\_cache: 1  
kern.cam.da.poll\_period: 3  
kern.cam.da.retry\_count: 4  
kern.cam.da.default\_timeout: 60  
kern.cam.da.send\_ordered: 1  
kern.cam.da.0.delete\_method: NONE  
kern.cam.da.0.delete\_max: 131072  
kern.cam.da.0.minimum\_cmd\_size: 6  
kern.cam.da.0.sort\_io\_queue: -1  
kern.cam.da.0.error\_inject: 0  
kern.cam.enc.emulate\_array\_devices: 1  
kern.random.adaptors: dummy,yarrow  
kern.random.active\_adaptor: yarrow  
kern.random.live\_entropy\_sources: Hardware, Intel Secure Key RNG  
kern.random.yarrow.gengateinterval: 10  
kern.random.yarrow.bins: 10  
kern.random.yarrow.fastthresh: 96  
kern.random.yarrow.slowthresh: 128  
kern.random.yarrow.slowoverthresh: 2  
kern.random.sys.seeded: 1  
kern.random.sys.harvest.ethernet: 1  
kern.random.sys.harvest.point\_to\_point: 1  
kern.random.sys.harvest.interrupt: 1  
kern.random.sys.harvest.swi: 1  
kern.vt.enable\_altgr: 1  
kern.vt.debug: 0  
kern.vt.deadtimer: 15  
kern.vt.suspendswitch: 1  
kern.vt.kbd\_halt: 1  
kern.vt.kbd\_poweroff: 1  
kern.vt.kbd\_reboot: 1  
kern.vt.kbd\_debug: 1  
kern.vt.kbd\_panic: 0  
kern.disks: da0 cd0  
kern.geom.dev.delete\_max\_sectors: 262144  
kern.geom.disk.cd0.led:  
kern.geom.disk.da0.led:  
kern.geom.transient\_maps: 459415440  
kern.geom.transient\_map\_retries: 10  
kern.geom.transient\_map\_hard\_failures: 0  
kern.geom.transient\_map\_soft\_failures: 0  
kern.geom.inflight\_transient\_maps: 0  
kern.geom.confxml: <mesh>  
kern.geom.confdot: digraph geom {  
kern.geom.conftxt: 0 DISK da0 2247308083200 512 hd 255 sc 63  
kern.geom.debugflags: 0  
kern.geom.notaste: 0  
kern.geom.collectstats: 1  
kern.geom.label.debug: 0  
kern.geom.label.ext2fs.enable: 1  
kern.geom.label.iso9660.enable: 1  
kern.geom.label.msdosfs.enable: 1  
kern.geom.label.ntfs.enable: 1  
kern.geom.label.reiserfs.enable: 1  
kern.geom.label.ufsid.enable: 1  
kern.geom.label.ufs.enable: 1  
kern.geom.label.gpt.enable: 1  
kern.geom.label.gptid.enable: 1  
kern.geom.label.disk\_ident.enable: 1  
kern.geom.part.check\_integrity: 1  
kern.geom.part.mbr.enforce\_chs: 1  
kern.geom.raid.enable: 1  
kern.geom.raid.aggressive\_spare: 0  
kern.geom.raid.debug: 0  
kern.geom.raid.read\_err\_thresh: 10  
kern.geom.raid.start\_timeout: 30  
kern.geom.raid.clean\_time: 5  
kern.geom.raid.disconnect\_on\_failure: 1  
kern.geom.raid.name\_format: 0  
kern.geom.raid.idle\_threshold: 1000000  
kern.geom.raid.legacy\_aliases: 1  
kern.geom.raid.ddf.enable: 1  
kern.geom.raid.intel.enable: 1  
kern.geom.raid.jmicron.enable: 1  
kern.geom.raid.nvidia.enable: 1  
kern.geom.raid.promise.enable: 1  
kern.geom.raid.sii.enable: 1  
kern.geom.raid.concat.enable: 1  
kern.geom.raid.raid0.enable: 1  
kern.geom.raid.raid1.rebuild\_slab\_size: 1048576  
kern.geom.raid.raid1.rebuild\_fair\_io: 20  
kern.geom.raid.raid1.rebuild\_cluster\_idle: 100

kern.geom.raid.raid1.rebuild\_meta\_update: 1024  
kern.geom.raid.raid1.enable: 1  
kern.geom.raid.raid1e.rebuild\_slab\_size: 1048576  
kern.geom.raid.raid1e.rebuild\_fair\_io: 20  
kern.geom.raid.raid1e.rebuild\_cluster\_idle: 100  
kern.geom.raid.raid1e.rebuild\_meta\_update: 1024  
kern.geom.raid.raid1e.enable: 1  
kern.geom.raid.raid5.enable: 1  
kern.elf64.fallback\_brand: -1  
kern.elf64.nxstack: 1  
kern.elf32.fallback\_brand: -1  
kern.elf32.nxstack: 1  
kern.elf32.read\_exec: 0  
kern.init\_path: /sbin/init:/sbin/oinit:/sbin/init.bak:/rescue/init  
kern.init\_shutdown\_timeout: 120  
kern.acct\_suspend: 2  
kern.acct\_resume: 4  
kern.acct\_chkfreq: 15  
kern.acct\_configured: 0  
kern.acct\_suspended: 0  
kern.cp\_time: 38588542 0 39138691 1343041 13659149  
kern.cp\_times: 4877731 0 4831461 139301 1742711 4903927 0 4886620 120179 1680448 4897542 0 4901892 114180 1677560 4919112 0 4883398 115949  
1672715 4495124 0 5311565 118070 1666416 4795759 0 4448270 503404 1843741 4893125 0 4890387 114261 1693401 4806222 0 4985098 117697 1682157  
kern.console: tty0, /tty0, uart, ttyv0,  
kern.consmute: 0  
kern.consmgbuf\_size: 8192  
kern.constty\_wakeups\_per\_second: 5  
kern.vty: sc  
kern.openfiles: 53  
kern.eventtimer.et.LAPIC.flags: 7  
kern.eventtimer.et.LAPIC.frequency: 12000396  
kern.eventtimer.et.LAPIC.quality: 600  
kern.eventtimer.et.HPET.flags: 7  
kern.eventtimer.et.HPET.frequency: 24000000  
kern.eventtimer.et.HPET.quality: 550  
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.choice: LAPIC(600) HPET(550) i8254(100) RTC(0)  
kern.eventtimer.singlemul: 2  
kern.eventtimer.idletick: 0  
kern.eventtimer.timer: LAPIC  
kern.eventtimer.periodic: 0  
kern.kq\_calloutmax: 4096  
kern.stackprot: 7  
kern.ps\_arg\_cache\_limit: 256  
kern.disallow\_high\_osrel: 0  
kern.lastpid: 56261  
kern.randompid: 0  
kern.ktrace.genio\_size: 4096  
kern.ktrace.request\_pool: 100  
kern.module\_path: /boot/kernel;/boot/modules  
kern.malloc\_count: 357  
kern.ident: GENERIC  
kern.compiler\_version: FreeBSD clang version 3.4.1 (tags/RELEASE\_34/dot1-final 208032) 20140512  
kern.maxusers: 1354  
kern.supported\_archs: amd64 i386  
kern.confctx: options CONFIG\_AUTOGENERATED  
kern.features.scbus: 1  
kern.features.compat\_freebsd\_32bit: 1  
kern.features.ata\_cam: 1  
kern.features.nfscl: 1  
kern.features.nfsd: 1  
kern.features.geom\_label: 1  
kern.features.geom\_part\_bsd: 1  
kern.features.geom\_part\_ebr: 1  
kern.features.geom\_part\_ebr\_compat: 1  
kern.features.geom\_part\_gpt: 1  
kern.features.geom\_part\_mbr: 1  
kern.features.kposix\_priority\_scheduling: 1  
kern.features.kdtrace\_hooks: 1  
kern.features.ktrace: 1  
kern.features.compat\_freebsd4: 1  
kern.features.compat\_freebsd5: 1  
kern.features.compat\_freebsd6: 1  
kern.features.compat\_freebsd7: 1  
kern.features.hwpmc\_hooks: 1  
kern.features.stack: 1  
kern.features.security\_capability\_mode: 1  
kern.features.security\_capabilities: 1  
kern.features.process\_descriptors: 1  
kern.features.sysv\_msg: 1  
kern.features.sysv\_sem: 1  
kern.features.sysv\_shm: 1  
kern.features.posix\_shm: 1  
kern.features.inet: 1  
kern.features.sctp: 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\_gjournal: 1  
kern.features.ufs\_quota: 1  
kern.features.ufs\_quota64: 1  
kern.pid\_max: 99999  
kern.fallback\_elf\_brand: -1  
kern.hwpmc.softevents: 16  
kern.kstack\_pages: 4  
kern.proc\_vmmmap\_skip\_resident\_count: 0  
kern.panic\_reboot\_wait\_time: 15  
kern.sync\_on\_panic: 0  
kern.shutdown.show\_busybufs: 0  
kern.shutdown.poweroff\_delay: 5000  
kern.shutdown.kproc\_shutdown\_wait: 60  
kern.shutdown.dumpdevname: da0p3  
kern.forcesigexit: 1  
kern.sigqueue.max\_pending\_per\_proc: 128  
kern.sigqueue.preallocate: 1024  
kern.sigqueue.overflow: 0  
kern.sigqueue.alloc\_fail: 0  
kern.sugid\_coredump: 0  
kern.capmode\_coredump: 0  
kern.coredump: 1  
kern.nodump\_coredump: 0  
kern.corefile: %N.core  
kern.fscale: 2048  
kern.timecounter.tc.HPET.mask: 4294967295  
kern.timecounter.tc.HPET.counter: 333252677  
kern.timecounter.tc.HPET.frequency: 24000000  
kern.timecounter.tc.HPET.quality: 950  
kern.timecounter.tc.i8254.mask: 65535  
kern.timecounter.tc.i8254.counter: 44383  
kern.timecounter.tc.i8254.frequency: 1193182  
kern.timecounter.tc.i8254.quality: 0  
kern.timecounter.tc.ACPI-fast.mask: 16777215  
kern.timecounter.tc.ACPI-fast.counter: 11885754  
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: 3356715309  
kern.timecounter.tc.TSC-low.frequency: 1704056031  
kern.timecounter.tc.TSC-low.quality: 1000  
kern.timecounter.stepwarnings: 0  
kern.timecounter.alloweddeviation: 5  
kern.timecounter.hardware: TSC-low  
kern.timecounter.choice: TSC-low(1000) ACPI-fast(900) i8254(0) HPET(950) dummy(-1000000)  
kern.timecounter.tick: 1  
kern.timecounter.fast\_gettime: 1  
kern.timecounter.invariant\_tsc: 1  
kern.timecounter.smp\_tsc: 1  
kern.timecounter.smp\_tsc\_adjust: 0  
kern.timecounter.tsc\_shift: 1  
kern.threads.max\_threads\_per\_proc: 1500  
kern.threads.max\_threads\_hits: 0  
kern.ncallout: 18508  
kern.callout\_stat: 0  
kern.sched.cpusetsize: 8  
kern.sched.preemption: 1  
kern.sched.name: ULE  
kern.sched.quantum: 94488  
kern.sched.slice: 12  
kern.sched.interact: 30  
kern.sched.preempt\_thresh: 80  
kern.sched.static\_boost: 152  
kern.sched.idlespins: 10000  
kern.sched.idlespinthresh: 157  
kern.sched.affinity: 1  
kern.sched.balance: 1  
kern.sched.balance\_interval: 127  
kern.sched.steal\_idle: 1  
kern.sched.steal\_thresh: 2  
kern.sched.topology\_spec: <groups>  
kern.ccpu: 0  
kern.devstat.numdevs: 5  
kern.devstat.generation: 248  
kern.devstat.version: 6  
kern.hintmode: 0  
kern.kobj\_methodcount: 229  
kern.log\_wakeups\_per\_second: 5  
kern.msgbuf\_show\_timestamp: 0  
kern.hz: 1000  
kern.nbuf: 104963  
kern.nswbuf: 256  
kern.msgbufsize: 98304  
kern.maxswzone: 0  
kern.maxbcache: 0  
kern.bio\_transient\_maxcnt: 1024

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kern.maxtsiz: 134217728
kern.dfltsiz: 34359738368
kern.maxdsiz: 34359738368
kern.dflssiz: 8388608
kern.maxssiz: 536870912
kern.sgrowsiz: 131072
kern.vm_guest: none
kern.log_console_output: 1
kern.log_console_add_linefeed: 0
kern.always_console_output: 0
kern.msgbuf:
kern.msgbuf_clear: 0
kern.smp.maxid: 7
kern.smp.maxcpus: 64
kern.smp.active: 1
kern.smp.disabled: 0
kern.smp.cpus: 8
kern.smp.topology: 0
kern.smp.forward_signal_enabled: 1
kern.tty_inq_flush_secure: 1
kern.tty_nin: 496
kern.tty_nout: 339890
kern.filedelay: 30
kern.dirdelay: 29
kern.metadelat: 28
kern.minvnodes: 87149
kern.chroot_allow_open_directories: 1
vm.vmtotal:
System wide totals computed every five seconds: (values in kilobytes)
Processes: (RUNQ: 1 Disk Wait: 0 Page Wait: 0 Sleep: 15)
Virtual Memory: (Total: 427216K Active: 413408K)
Real Memory: (Total: 144992K Active: 7684K)
Shared Virtual Memory: (Total: 5448K Active: 5448K)
Shared Real Memory: (Total: 1816K Active: 1816K)
Free Memory: 15807248K
vm.loadavg: { 8.79 25.77 38.88 }
vm.v_free_min: 25577
vm.v_free_target: 86336
vm.v_free_reserved: 5324
vm.v_inactive_target: 129504
vm.v_cache_min: 0
vm.v_cache_max: 0
vm.v_pageout_free_min: 34
vm.swap_enabled: 1
vm.md_malloc_wait: 0
vm.kmem_size: 16592867328
vm.kmem_zmax: 65536
vm.kmem_size_min: 0
vm.kmem_size_max: 1319413950874
vm.kmem_size_scale: 1
vm.kmem_map_size: 31617024
vm.kmem_map_free: 16561250304
vm.swap_total: 4261376000
vm.swap_reserved: 216412160
vm.overcommit: 0
vm.swzone: 583342848
vm.swap_maxpages: 64815872
vm.swap_async_max: 4
vm.dnmax: 32
vm.nswapdev: 1
vm.zone_count: 106
vm.zone_warnings: 1
vm.kstack_cache_size: 128
vm.kstacks: 268
vm.swap_idle_threshold1: 2
vm.swap_idle_threshold2: 10
vm.exec_map_entries: 16
vm.min_kernel_address: 18446741874686296064
vm.max_kernel_address: 18446744073709547520
vm.v_free_severe: 15450
vm.stats.sys.v_swtrch: 3543791439
vm.stats.sys.v_trap: 2944330963
vm.stats.sys.v_syscall: 2439692655
vm.stats.sys.v_intr: 1253683620
vm.stats.sys.v_soft: 373566497
vm.stats.vm.v_vm_faults: 2315213693
vm.stats.vm.v_io_faults: 21705061
vm.stats.vm.v_cow_faults: 1420979
vm.stats.vm.v_cow_optim: 1205
vm.stats.vm.v_zfod: 2133370032
vm.stats.vm.v_ozfod: 835510
vm.stats.vm.v_swapin: 21657056
vm.stats.vm.v_swapout: 24896896
vm.stats.vm.v_swappgsin: 168151370
vm.stats.vm.v_swappgsout: 390849144
vm.stats.vm.v_vnodein: 62879
vm.stats.vm.v_vnodeout: 0
vm.stats.vm.v_vnodepgsin: 345369
vm.stats.vm.v_vnodepgsout: 0
vm.stats.vm.v_intrans: 21878700
vm.stats.vm.v_reactivated: 3568183061

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vm.stats.vm.v_pdwakeup: 27281
vm.stats.vm.v_dppages: 759044911
vm.stats.vm.v_tcached: 775689634
vm.stats.vm.v_dfree: 1
vm.stats.vm.v_pfree: 1929242496
vm.stats.vm.v_tfree: 3250697202
vm.stats.vm.v_page_size: 4096
vm.stats.vm.v_page_count: 4050993
vm.stats.vm.v_free_reserved: 5324
vm.stats.vm.v_free_target: 86336
vm.stats.vm.v_free_min: 25577
vm.stats.vm.v_free_count: 3951811
vm.stats.vm.v_wire_count: 97044
vm.stats.vm.v_active_count: 559
vm.stats.vm.v_inactive_target: 129504
vm.stats.vm.v_inactive_count: 1577
vm.stats.vm.v_cache_count: 1
vm.stats.vm.v_cache_min: 0
vm.stats.vm.v_cache_max: 0
vm.stats.vm.v_pageout_free_min: 34
vm.stats.vm.v_interrupt_free_min: 2
vm.stats.vm.v_forks: 46048
vm.stats.vm.v_vforks: 10196
vm.stats.vm.v_rforks: 0
vm.stats.vm.v_kthreads: 17
vm.stats.vm.v_forkpages: 1535995
vm.stats.vm.v_vforkpages: 344930
vm.stats.vm.v_rforkpages: 0
vm.stats.vm.v_kthreadpages: 0
vm.stats.misc.zero_page_count: 6784
vm.stats.misc.cnt_prezero: 0
vm.stats.object.collapses: 54163
vm.stats.object.bypasses: 80873
vm.old_mlock: 0
vm.old_msync: 0
vm.boot_pages: 64
vm.tryrelock_restart: 509
vm.pageout_wakeup_thresh: 28127
vm.max_laundry: 32
vm.pageout_update_period: 600
vm.lowmem_period: 10
vm.swap_idle_enabled: 0
vm.defer_swapspace_pageouts: 0
vm.disable_swapspace_pageouts: 0
vm.pageout_lock_miss: 0
vm.max_wired: 1334874
vm.phys_free:
DOMAIN 0:
FREE LIST 0:
FREE LIST 1:
vm.phys_segs:
SEGMENT 0:
start:    0x10000
end:      0x97000
domain:   0
free list: 0xffffffff815d14b8
SEGMENT 1:
start:    0x100000
end:      0x200000
domain:   0
free list: 0xffffffff815d14b8
SEGMENT 2:
start:    0x197c000
end:      0x6ec0e000
domain:   0
free list: 0xffffffff815d1110
SEGMENT 3:
start:    0x6ec59000
end:      0x748f5000
domain:   0
free list: 0xffffffff815d1110
SEGMENT 4:
start:    0x77ff000
end:      0x78000000
domain:   0
free list: 0xffffffff815d1110
SEGMENT 5:
start:    0x100000000
end:      0x469f7b000
domain:   0
free list: 0xffffffff815d1110
vm.ndomains: 1
vm.reserv.broken: 292
vm.reserv.freed: 337665
vm.reserv.partpopq:
-1: 25592K, 13
vm.reserv.reclaimed: 52057
vm.idlezero_enable: 0
vm.pmap.pat_works: 1
vm.pmap.pg_ps_enabled: 1
vm.pmap.pcid_enabled: 0

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vm.pmap.invpqid_works: 0
vm.pmap.pqid_save_cnt: 0
vm.pmap.pde.demotions: 129
vm.pmap.pde.mappings: 0
vm.pmap.pde.p_failures: 4943
vm.pmap.pde.promotions: 242526
vm.pmap.pdpe.demotions: 3
vm.kvm_size: 2199023251456
vm.kvm_free: 2180067094528
vfs.ufs.dirhash_minsize: 2560
vfs.ufs.dirhash_maxmem: 26861568
vfs.ufs.dirhash_mem: 10511
vfs.ufs.dirhash_docheck: 0
vfs.ufs.dirhash_lowmemcount: 4977
vfs.ufs.dirhash_reclaimage: 60
vfs.ufs.rename_restarts: 0
vfs.nfs.downdelayinitial: 12
vfs.nfs.downdelayinterval: 30
vfs.nfs.bufpackets: 4
vfs.nfs.reconnects: 0
vfs.nfs.nfs3_jukebox_delay: 10
vfs.nfs.skip_wcc_data_onerr: 1
vfs.nfs.realign_test: 0
vfs.nfs.realign_count: 0
vfs.nfs.callback_addr:
vfs.nfs.debuglevel: 0
vfs.nfs.access_cache_timeout: 60
vfs.nfs.prime_access_cache: 0
vfs.nfs.commit_on_close: 0
vfs.nfs.clean_pages_on_close: 1
vfs.nfs.nfs_directio_enable: 0
vfs.nfs.nfs_keep_dirty_on_error: 0
vfs.nfs.nfs_directio_allow_mmap: 1
vfs.nfs.nfs_ip_paranoia: 1
vfs.nfs.diskless_valid: 0
vfs.nfs.diskless_rootpath:
vfs.nfs.iodmaxidle: 120
vfs.nfs.iodmin: 0
vfs.nfs.iodmax: 20
vfs.nfs.defect: 0
vfs.devfs.generation: 151
vfs.devfs.rule_depth: 1
vfs.nfsd.disable_checkutf8: 0
vfs.nfsd.nfs_privport: 0
vfs.nfsd.server_min_nfsvers: 2
vfs.nfsd.server_max_nfsvers: 4
vfs.nfsd.async: 0
vfs.nfsd.mirrormnt: 1
vfs.nfsd.commit_blks: 0
vfs.nfsd.commit_miss: 0
vfs.nfsd.issue_delegations: 0
vfs.nfsd.enable_locallocks: 0
vfs.nfsd.debuglevel: 0
vfs.nfsd.enable_stringtoid: 0
vfs.nfsd.tcphighwater: 0
vfs.nfsd.udphighwater: 500
vfs.nfsd.tcpcachetimeo: 43200
vfs.nfsd.cachetcp: 1
vfs.nfsd.minthreads: 1
vfs.nfsd.maxthreads: 1
vfs.nfsd.threads: 0
vfs.nfsd.groups: 1
vfs.nfsd.request_space_used: 0
vfs.nfsd.request_space_used_highest: 0
vfs.nfsd.request_space_high: 47185920
vfs.nfsd.request_space_low: 31457280
vfs.nfsd.request_space_throttled: 0
vfs.nfsd.request_space_throttle_count: 0
vfs.nfsd.fha.enable: 1
vfs.nfsd.fha.bin_shift: 22
vfs.nfsd.fha.max_nfsds_per_fh: 8
vfs.nfsd.fha.max_reqs_per_nfsd: 0
vfs.nfsd.fha.fhe_stats: No file handle entries.
vfs.pfs.trace: 0
vfs.pfs.vncache_entries: 0
vfs.pfs.vncache_maxentries: 0
vfs.pfs.vncache_hits: 0
vfs.pfs.vncache_misses: 0
vfs.acl_nfs4_old_semantics: 0
vfs.vmiorenable: 1
vfs.runningbufspace: 0
vfs.bufspace: 1411432448
vfs.unmapped_bufspace: 1096155136
vfs.maxbufspace: 1719713792
vfs.bufmallospace: 0
vfs.maxmallobufspace: 85952921
vfs.lobufspace: 1718992896
vfs.hibufspace: 1719058432
vfs.bufreusecnt: 1538523948
vfs.bufreekvacnt: 1538602179
vfs.bufdefragcnt: 0

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vfs.lorunningspace: 11206656  
vfs.hirunningspace: 16777216  
vfs.dirtybufferflushes: 0  
vfs.bdwriteskip: 0  
vfs.altbufferflushes: 0  
vfs.recursiveflushes: 661309782  
vfs.numdirtybuffers: 14  
vfs.lodirtybuffers: 13130  
vfs.hidirtybuffers: 26260  
vfs.dirtybufthresh: 23634  
vfs.numfreebuffers: 104949  
vfs.lofreebuffers: 5836  
vfs.hifreebuffers: 11672  
vfs.getnewbufcalls: -1985183413  
vfs.getnewbufrestarts: 1279376177  
vfs.mappingrestarts: 0  
vfs.flushbufqtarget: 100  
vfs.notbufdflushes: 2599  
vfs.barrierwrites: 50874  
vfs.unmapped\_buf\_allowed: 1  
vfs.flushwithdeps: 639752302  
vfs.ncnegfactor: 16  
vfs.ncsizefactor: 2  
vfs.cache.numneg: 33  
vfs.cache.numcache: 997  
vfs.cache.numcalls: 2213381770  
vfs.cache.dothits: 46308  
vfs.cache.dotdothits: 302659326  
vfs.cache.numchecks: 12385092  
vfs.cache.nummiss: 1105546348  
vfs.cache.nummisszap: 794011554  
vfs.cache.numposzaps: 9320516  
vfs.cache.numposhits: 1191683  
vfs.cache.numnegzaps: 2098  
vfs.cache.numneghits: 109920  
vfs.cache.numupgrades: 183390  
vfs.cache.numfullpathcalls: 18005  
vfs.cache.numfullpathfail1: 0  
vfs.cache.numfullpathfail2: 0  
vfs.cache.numfullpathfail4: 0  
vfs.cache.numfullpathfound: 18095  
vfs.write\_behind: 1  
vfs.read\_max: 64  
vfs.read\_min: 1  
vfs.typhenumhash: 1  
vfs.lookup\_shared: 1  
vfs.usermount: 0  
vfs.numvnodes: 1035  
vfs.wantfreevnodes: 87149  
vfs.freevnodes: 26  
vfs.vlru\_allow\_cache\_src: 0  
vfs.reassignbufcalls: -940708300  
vfs.timestamp\_precision: 0  
vfs.worklist\_len: 5  
vfs.ffs.doasyncfree: 1  
vfs.ffs.doreallocblks: 1  
vfs.ffs.compute\_summary\_at\_mount: 0  
net.local.stream.sendspace: 8192  
net.local.stream.recvspace: 8192  
net.local.dgram.maxdgram: 2048  
net.local.dgram.recvspace: 4096  
net.local.seqpacket.maxseqpacket: 8192  
net.local.seqpacket.recvspace: 8192  
net.local.inflight: 0  
net.local.deferred: 0  
net.local.recycled: 0  
net.local.taskcount: 0  
net.inet.ip.portrange.lowfirst: 1023  
net.inet.ip.portrange.lowlast: 600  
net.inet.ip.portrange.first: 10000  
net.inet.ip.portrange.last: 65535  
net.inet.ip.portrange.hifirst: 49152  
net.inet.ip.portrange.hilast: 65535  
net.inet.ip.portrange.reservedhigh: 1023  
net.inet.ip.portrange.reservedlow: 0  
net.inet.ip.portrange.randomized: 1  
net.inet.ip.portrange.randomcps: 10  
net.inet.ip.portrange.randomtime: 45  
net.inet.ip.forwarding: 0  
net.inet.ip.redirect: 1  
net.inet.ip.ttl: 64  
net.inet.ip.rtxpire: 3600  
net.inet.ip.rtxminexpire: 10  
net.inet.ip.rtxmaxcache: 128  
net.inet.ip.sourceroute: 0  
net.inet.ip.intr\_queue\_maxlen: 256  
net.inet.ip.intr\_queue\_drops: 887044  
net.inet.ip.accept\_sourceroute: 0  
net.inet.ip.keepfaith: 0  
net.inet.ip.gifttl: 30  
net.inet.ip.no\_same\_prefix: 0

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net.inet.ip.random_id_period: 8192
net.inet.ip.random_id_collisions: 0
net.inet.ip.random_id_total: 0
net.inet.ip.mcast.maxgrpsrc: 512
net.inet.ip.mcast.maxsocksrc: 128
net.inet.ip.mcast.loop: 1
net.inet.ip.fastforwarding: 0
net.inet.ip.sendsourcequench: 0
net.inet.ip.random_id: 0
net.inet.ip.check_interface: 0
net.inet.ip.fragpackets: 0
net.inet.ip.maxfragsperpacket: 16
net.inet.ip.maxfragpackets: 31648
net.inet.ip.process_options: 1
net.inet.icmp.maskrepl: 0
net.inet.icmp.icmplim: 200
net.inet.icmp.icmplim_output: 1
net.inet.icmp.maskfake: 0
net.inet.icmp.log_redirect: 0
net.inet.icmp.reply_src:
net.inet.icmp.reply_from_interface: 0
net.inet.icmp.quotelen: 8
net.inet.icmp.bmcastecho: 0
net.inet.icmp.drop_redirect: 0
net.inet.igmp.recvifkludge: 1
net.inet.igmp.sendra: 1
net.inet.igmp.sendlocal: 1
net.inet.igmp.v1enable: 1
net.inet.igmp.v2enable: 1
net.inet.igmp.legacysupp: 0
net.inet.igmp.default_version: 3
net.inet.igmp.gsrdelay: 10
net.inet.tcp.rfc1323: 1
net.inet.tcp.mssdflt: 536
net.inet.tcp.keepidle: 7200000
net.inet.tcp.keepintvl: 75000
net.inet.tcp.sendspace: 32768
net.inet.tcp.recvspace: 65536
net.inet.tcp.keeptime: 75000
net.inet.tcp.delacktime: 100
net.inet.tcp.v6mssdflt: 1220
net.inet.tcp.cc.algorithm: newreno
net.inet.tcp.cc.available: newreno
net.inet.tcp.hostcache.cachelimit: 15360
net.inet.tcp.hostcache.hashsize: 512
net.inet.tcp.hostcache.bucketlimit: 30
net.inet.tcp.hostcache.count: 1
net.inet.tcp.hostcache.expire: 3600
net.inet.tcp.hostcache.prune: 300
net.inet.tcp.hostcache.purge: 0
net.inet.tcp.log_in_vain: 0
net.inet.tcp.blackhole: 0
net.inet.tcp.delayed_ack: 1
net.inet.tcp.drop_synfin: 0
net.inet.tcp.rfc3042: 1
net.inet.tcp.rfc3390: 1
net.inet.tcp.experimental.initscwnd10: 1
net.inet.tcp.rfc3465: 1
net.inet.tcp.abc_l_var: 2
net.inet.tcp.ecn.enable: 0
net.inet.tcp.ecn.maxretries: 1
net.inet.tcp.insecure_rst: 0
net.inet.tcp.recvbuf_auto: 1
net.inet.tcp.recvbuf_inc: 16384
net.inet.tcp.recvbuf_max: 2097152
net.inet.tcp.path_mtu_discovery: 1
net.inet.tcp.tso: 1
net.inet.tcp.sendbuf_auto: 1
net.inet.tcp.sendbuf_inc: 8192
net.inet.tcp.sendbuf_max: 2097152
net.inet.tcp.reass.maxsegments: 63300
net.inet.tcp.reass.cursegments: 0
net.inet.tcp.reass.overflow: 8
net.inet.tcp.sack.enable: 1
net.inet.tcp.sack.maxholes: 128
net.inet.tcp.sack.globalmaxholes: 65536
net.inet.tcp.sack.globalholes: 0
net.inet.tcp.minmss: 216
net.inet.tcp.log_debug: 0
net.inet.tcp.tcbhashsize: 131072
net.inet.tcp.do_tcpdrain: 1
net.inet.tcp.pcbcount: 3
net.inet.tcp.icmp_may_rst: 1
net.inet.tcp.isn_reseed_interval: 0
net.inet.tcp.soreceive_stream: 0
net.inet.tcp.syncookies: 1
net.inet.tcp.syncookies_only: 0
net.inet.tcp.syncache.bucketlimit: 30
net.inet.tcp.syncache.cachelimit: 15375
net.inet.tcp.syncache.count: 0
net.inet.tcp.syncache.hashsize: 512
```

```
net.inet.tcp.syncache.rexmtlimit: 3
net.inet.tcp.syncache.rst_on_sock_fail: 1
net.inet.tcp.msl: 30000
net.inet.tcp.rexmit_min: 30
net.inet.tcp.rexmit_slop: 200
net.inet.tcp.always_keeplive: 1
net.inet.tcp.fast_finwait2_recycle: 0
net.inet.tcp.finwait2_timeout: 60000
net.inet.tcp.keeppcnt: 8
net.inet.tcp.rexmit_drop_options: 0
net.inet.tcp.per_cpu_timers: 0
net.inet.tcp.timer_race: 0
net.inet.tcp.maxtcpw: 27767
net.inet.tcp.nolocaltimewait: 0
net.inet.udp.checksum: 1
net.inet.udp.maxdgram: 9216
net.inet.udp.recvspace: 42080
net.inet.udp.log_in_vain: 0
net.inet.udp.blackhole: 0
net.inet.sctp.sendspace: 1864135
net.inet.sctp.recvspace: 1864135
net.inet.sctp.auto_asconf: 1
net.inet.sctp.ecn_enable: 1
net.inet.sctp.pr_enable: 1
net.inet.sctp.auth_disable: 0
net.inet.sctp.asconf_enable: 1
net.inet.sctp.reconfig_enable: 1
net.inet.sctp.nr_sack_on_off: 0
net.inet.sctp.pkt_drop_enable: 0
net.inet.sctp.strict_sacks: 1
net.inet.sctp.peer_chkoh: 256
net.inet.sctp.maxburst: 4
net.inet.sctp.fr_maxburst: 4
net.inet.sctp.maxchunks: 126593
net.inet.sctp.tcbhashsize: 1024
net.inet.sctp.pcbhashsize: 256
net.inet.sctp.min_split_point: 2904
net.inet.sctp.chunkscale: 10
net.inet.sctp.delayed_sack_time: 200
net.inet.sctp.sack_freq: 2
net.inet.sctp.sys_resource: 1000
net.inet.sctp.asoc_resource: 10
net.inet.sctp.heartbeat_interval: 30000
net.inet.sctp.pmtu_raise_time: 600
net.inet.sctp.shutdown_guard_time: 180
net.inet.sctp.secret_lifetime: 3600
net.inet.sctp.rto_max: 60000
net.inet.sctp.rto_min: 1000
net.inet.sctp.rto_initial: 3000
net.inet.sctp.init_rto_max: 60000
net.inet.sctp.valid_cookie_life: 60000
net.inet.sctp.init_rtx_max: 8
net.inet.sctp.assoc_rtx_max: 10
net.inet.sctp.path_rtx_max: 5
net.inet.sctp.path_pf_threshold: 65535
net.inet.sctp.add_more_on_output: 1452
net.inet.sctp.incoming_streams: 2048
net.inet.sctp.outgoing_streams: 10
net.inet.sctp.cmt_on_off: 0
net.inet.sctp.cmt_use_dac: 0
net.inet.sctp.cwnd_maxburst: 1
net.inet.sctp.nat_friendly: 1
net.inet.sctp.abc_l_var: 2
net.inet.sctp.max_chained_mbufs: 5
net.inet.sctp.do_sctp_drain: 1
net.inet.sctp.hb_max_burst: 4
net.inet.sctp.abort_at_limit: 0
net.inet.sctp.strict_data_order: 0
net.inet.sctp.min_residual: 1452
net.inet.sctp.max_retran_chunk: 30
net.inet.sctp.log_level: 0
net.inet.sctp.default_cc_module: 0
net.inet.sctp.default_ss_module: 0
net.inet.sctp.default_frag_interleave: 1
net.inet.sctp.mobility_base: 0
net.inet.sctp.mobility_fasthandoff: 0
net.inet.sctp.udp_tunneling_port: 0
net.inet.sctp.enable_sack_immediately: 0
net.inet.sctp.nat_friendly_init: 0
net.inet.sctp.vtag_time_wait: 60
net.inet.sctp.buffer_splitting: 0
net.inet.sctp.initial_cwnd: 3
net.inet.sctp.rttvar_bw: 4
net.inet.sctp.rttvar_rtt: 5
net.inet.sctp.rttvar_eqret: 0
net.inet.sctp.rttvar_steady_step: 20
net.inet.sctp.use_dcccecn: 1
net.inet.sctp.blackhole: 0
net.inet.sctp.diag_info_code: 0
net.inet.raw.maxdgram: 9216
net.inet.raw.recvspace: 9216
```

```
net.inet.accf.unloadable: 0
net.link.generic.system.ifcount: 11
net.link.ether.inet.max_age: 1200
net.link.ether.inet.maxtries: 5
net.link.ether.inet.useloopback: 1
net.link.ether.inet.proxyall: 0
net.link.ether.inet.wait: 20
net.link.ether.inet.maxhold: 1
net.link.ether.inet.log_arp_wrong_iface: 1
net.link.ether.inet.log_arp_movements: 1
net.link.ether.inet.log_arp_permanent_modify: 1
net.link.ether.inet.allow_multicast: 0
net.link.ether.inet.max_log_per_second: 1
net.link.vlan.soft_pad: 0
net.link.gif.max_nesting: 1
net.link.gif.parallel_tunnels: 0
net.link.ifqmaxlen: 50
net.link.log_link_state_change: 1
net.link.tun.devfs_cloning: 1
net.inet6.ip6.forwarding: 0
net.inet6.ip6.redirect: 1
net.inet6.ip6.hlim: 64
net.inet6.ip6.maxfraggpackets: 253187
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: 253187
net.inet6.ip6.mcast_pmtu: 0
net.inet6.ip6.no_radr: 0
net.inet6.ip6.norbit_raif: 0
net.inet6.ip6.rfc6204w3: 0
net.inet6.ip6.mcast.maxgrpsrc: 512
net.inet6.ip6.mcast.maxsocksrc: 128
net.inet6.ip6.mcast.loop: 1
net.inet6.ip6.deembed_scopeid: 1
net.inet6.icmp6.rediraccept: 1
net.inet6.icmp6.redirtimeout: 600
net.inet6.icmp6.nd6_prune: 1
net.inet6.icmp6.nd6_delay: 5
net.inet6.icmp6.nd6_umaxtries: 3
net.inet6.icmp6.nd6_mmaxtries: 3
net.inet6.icmp6.nd6_useloopback: 1
net.inet6.icmp6.nodeinfo: 3
net.inet6.icmp6.errppslimit: 100
net.inet6.icmp6.nd6_maxnudhint: 0
net.inet6.icmp6.nd6_debug: 0
net.inet6.icmp6.nd6_maxqueuelen: 1
net.inet6.icmp6.nodeinfo_oldmcprefix: 1
net.inet6.icmp6.nd6_onlink_ns_rfc4861: 0
net.inet6.icmp6.nd6_gctimer: 86400
net.inet6.mld.gsrdelay: 10
net.inet6.mld.vlenable: 1
net.inet6.mld.use_allow: 1
net.bpf.maxinsns: 512
net.bpf.zerocopy_enable: 0
net.bpf.optimize_writers: 0
net.bpf.bufsize: 4096
net.bpf.maxbufsize: 524288
net.ifdescr_maxlen: 1024
net.isr.dispatch: direct
net.isr.maxthreads: 1
net.isr.bindthreads: 0
net.isr.maxqlimit: 10240
net.isr.defaultqlimit: 256
net.isr.maxprot: 16
net.isr.numthreads: 1
net.raw.sendspace: 8192
net.raw.recvspace: 8192
net.fibs: 1
net.add_addr_allfibs: 1
net.my_fibnum: 0
net.route.netisr_maxqlen: 256
net.wlan.no_timeout: 1800
net.wlan.cac_timeout: 60
net.wlan.debug: 0
```

net.wlan.ampdu\_age: 500  
net.wlan.recv\_bar: 1  
net.wlan.addba\_timeout: 250  
net.wlan.addba\_backoff: 10000  
net.wlan.addba\_maxtries: 3  
net.wlan.hwmp.targetonly: 0  
net.wlan.hwmp.pathlifetime: 5000  
net.wlan.hwmp.maxreq\_retries: 3  
net.wlan.hwmp.net\_diameter\_traversal\_time: 512  
net.wlan.hwmp.roottimeout: 5000  
net.wlan.hwmp.rootint: 2000  
net.wlan.hwmp.rannint: 1000  
net.wlan.hwmp.rootconfint: 2000  
net.wlan.hwmp.inact: 5000  
net.wlan.mesh.gateint: 10000  
net.wlan.mesh.retrytimeout: 40  
net.wlan.mesh.holdingtimeout: 40  
net.wlan.mesh.confirmtimeout: 40  
net.wlan.mesh.backofftimeout: 5000  
net.wlan.mesh.maxretries: 2  
net.wlan.mesh.maxholding: 2  
debug.acpi.max\_tasks: 256  
debug.acpi.max\_threads: 3  
debug.acpi.acpi\_ca\_version: 20130823  
debug.acpi.enable\_debug\_objects: 0  
debug.acpi.interpreter\_slack: 1  
debug.acpi.reset\_clock: 1  
debug.acpi.suspend\_bounce: 0  
debug.acpi.cpu\_unordered: 0  
debug.acpi.ec.burst: 0  
debug.acpi.ec.pollled: 0  
debug.acpi.ec.timeout: 750  
debug.acpi.batt.batt\_sleep\_ms: 0  
debug.acpi.resume\_beep: 0  
debug.ipw: 0  
debug.iwi: 0  
debug.mddebug: 0  
debug.wpi: 0  
debug.elf64\_legacy\_coredump: 0  
debug.elf32\_legacy\_coredump: 0  
debug.boothowto: 0  
debug.bootverbose: 0  
debug.cpufreq.lowest: 0  
debug.cpufreq.verbose: 0  
debug.fail\_point.sysctl\_running: off  
debug.fail\_point.buf\_pressure: off  
debug.fail\_point.nlm\_deny\_grant: off  
debug.sizeof.cdev: 288  
debug.sizeof.cdev\_priv: 376  
debug.sizeof.g\_class: 176  
debug.sizeof.g\_geom: 176  
debug.sizeof.g\_provider: 136  
debug.sizeof.g\_consumer: 96  
debug.sizeof.g\_bioq: 56  
debug.sizeof.vnode: 472  
debug.sizeof.proc: 1216  
debug.sizeof.bio: 248  
debug.sizeof.buf: 600  
debug.sizeof.kinfo\_proc: 1088  
debug.sizeof.devstat: 288  
debug.sizeof.namecache: 72  
debug.adaptive\_machine\_arch: 1  
debug.osd: 0  
debug.rwlock.retry: 10  
debug.rwlock.loops: 10000  
debug.debugger\_on\_panic: 1  
debug.trace\_on\_panic: 1  
debug.ncores: 5  
debug.sx.retries: 10  
debug.sx.loops: 10000  
debug.umtx.umtx\_pi\_allocated: 0  
debug.clocktime: 0  
debug.kdb.available:  
debug.kdb.current:  
debug.kdb.enter: 0  
debug.kdb.panic: 0  
debug.kdb.trap: 0  
debug.kdb.trap\_code: 0  
debug.kdb.break\_to\_debugger: 0  
debug.kdb.alt\_break\_to\_debugger: 0  
debug.rman\_debug: 0  
debug.iosize\_max\_clamp: 1  
debug.devfs\_iosize\_max\_clamp: 1  
debug.nchash: 524287  
debug.numneg: 33  
debug.numcache: 997  
debug.numcachehv: 843  
debug.vfscache: 1  
debug.disablecwd: 0  
debug.disablefullpath: 0  
debug.rush\_requests: 62198712

debug.vnlru\_nowhere: 0  
debug.vn\_io\_fault\_enable: 1  
debug.vn\_io\_faults: 11990  
debug.if\_tun\_debug: 0  
debug.nlm\_debug: 0  
debug.fsckcmds: 0  
debug.dopersistence: 0  
debug.snapdebug: 0  
debug.collectsnapstats: 0  
debug.softdep.total.pagedep: 334992802  
debug.softdep.total.inodedep: 902458722  
debug.softdep.total.bmsafemap: 811800672  
debug.softdep.total.newblk: 700261294  
debug.softdep.total.allocdirect: 309431900  
debug.softdep.total.indirdep: 2043691  
debug.softdep.total.allocindir: 390829394  
debug.softdep.total.freefrag: 60946520  
debug.softdep.total.freeblks: 302713034  
debug.softdep.total.freefile: 803633180  
debug.softdep.total.diradd: 803635513  
debug.softdep.total.mkdir: 605344608  
debug.softdep.total.dirrem: 803634314  
debug.softdep.total.newdirblk: 305176834  
debug.softdep.total.freework: 337733146  
debug.softdep.total.freedep: 125618  
debug.softdep.total.jaddrf: 1408980121  
debug.softdep.total.jremref: 1408977176  
debug.softdep.total.jmvref: 0  
debug.softdep.total.jnewblk: 700261294  
debug.softdep.total.jfreeblk: 0  
debug.softdep.total.jfreefrag: 60946520  
debug.softdep.total.jseg: 19177969  
debug.softdep.total.jsegdep: 3579165111  
debug.softdep.total.sbdep: 2835213  
debug.softdep.total.jtrunc: 0  
debug.softdep.total.jfsync: 0  
debug.softdep.highuse.pagedep: 199420  
debug.softdep.highuse.inodedep: 385236  
debug.softdep.highuse.bmsafemap: 370349  
debug.softdep.highuse.newblk: 35  
debug.softdep.highuse.allocdirect: 17816  
debug.softdep.highuse.indirdep: 121  
debug.softdep.highuse.allocindir: 290956  
debug.softdep.highuse.freefrag: 11716  
debug.softdep.highuse.freeblks: 123154  
debug.softdep.highuse.freefile: 980010  
debug.softdep.highuse.diradd: 379386  
debug.softdep.highuse.mkdir: 6423  
debug.softdep.highuse.dirrem: 1071686  
debug.softdep.highuse.newdirblk: 55630  
debug.softdep.highuse.freework: 234297  
debug.softdep.highuse.freedep: 261  
debug.softdep.highuse.jaddrf: 656495  
debug.softdep.highuse.jremref: 127741  
debug.softdep.highuse.jmvref: 0  
debug.softdep.highuse.jnewblk: 198831  
debug.softdep.highuse.jfreeblk: 0  
debug.softdep.highuse.jfreefrag: 70  
debug.softdep.highuse.jseg: 41187  
debug.softdep.highuse.jsegdep: 765268  
debug.softdep.highuse.sbdep: 1  
debug.softdep.highuse.jtrunc: 0  
debug.softdep.highuse.jfsync: 0  
debug.softdep.current.pagedep: 197943  
debug.softdep.current.inodedep: 73411  
debug.softdep.current.bmsafemap: 369487  
debug.softdep.current.newblk: 0  
debug.softdep.current.allocdirect: 3  
debug.softdep.current.indirdep: 1  
debug.softdep.current.allocindir: 0  
debug.softdep.current.freefrag: 9680  
debug.softdep.current.freeblks: 62019  
debug.softdep.current.freefile: 756296  
debug.softdep.current.diradd: 363995  
debug.softdep.current.mkdir: 124  
debug.softdep.current.dirrem: 843535  
debug.softdep.current.newdirblk: 53590  
debug.softdep.current.freework: 199748  
debug.softdep.current.freedep: 1  
debug.softdep.current.jaddrf: 620330  
debug.softdep.current.jremref: 3782  
debug.softdep.current.jmvref: 0  
debug.softdep.current.jnewblk: 151241  
debug.softdep.current.jfreeblk: 0  
debug.softdep.current.jfreefrag: 39  
debug.softdep.current.jseg: 30  
debug.softdep.current.jsegdep: 481906  
debug.softdep.current.sbdep: 0  
debug.softdep.current.jtrunc: 0  
debug.softdep.current.jfsync: 0  
debug.softdep.write.pagedep: 129739225

debug.softdep.write.inodedep: 9110456392  
debug.softdep.write.bmsafemap: 443094663  
debug.softdep.write.newblk: 0  
debug.softdep.write.allocdirect: 32475729  
debug.softdep.write.indirdep: 2593211  
debug.softdep.write.allocindir: 332628501  
debug.softdep.write.freefrag: 0  
debug.softdep.write.freeblks: 26144899  
debug.softdep.write.freefile: 0  
debug.softdep.write.diradd: 0  
debug.softdep.write.mkdir: 0  
debug.softdep.write.dirrem: 0  
debug.softdep.write.newdirblk: 0  
debug.softdep.write.freework: 0  
debug.softdep.write.freedep: 0  
debug.softdep.write.jaddref: 0  
debug.softdep.write.jremref: 0  
debug.softdep.write.jmhref: 0  
debug.softdep.write.jnewblk: 0  
debug.softdep.write.jfreeblk: 0  
debug.softdep.write.jfreefrag: 0  
debug.softdep.write.jseg: 18572855  
debug.softdep.write.jsegdep: 9729642  
debug.softdep.write.sbdep: 2861378  
debug.softdep.write.jtrunc: 0  
debug.softdep.write.jfsync: 0  
debug.softdep.max\_softdeps: 1394396  
debug.softdep.tickdelay: 2  
debug.softdep.flush\_threads: 1  
debug.softdep.worklist\_push: 0  
debug.softdep.blk\_limit\_push: 0  
debug.softdep.ino\_limit\_push: 0  
debug.softdep.blk\_limit\_hit: 0  
debug.softdep.ino\_limit\_hit: 0  
debug.softdep.sync\_limit\_hit: 247881506  
debug.softdep.indir\_blk\_ptrs: 625922  
debug.softdep.inode\_bitmap: 631852364  
debug.softdep.direct\_blk\_ptrs: 8601463  
debug.softdep.dir\_entry: 91402174  
debug.softdep.jaddref\_rollback: -1062734048  
debug.softdep.jnewblk\_rollback: 327394906  
debug.softdep.journal\_low: 37570614  
debug.softdep.journal\_min: 180  
debug.softdep.journal\_wait: 22691269  
debug.softdep.jwait\_filepage: 14450720  
debug.softdep.jwait\_freeblks: 0  
debug.softdep.jwait\_inode: 6319889  
debug.softdep.jwait\_newblk: 1920660  
debug.softdep.cleanup\_blkrequests: 0  
debug.softdep.cleanup\_inorequests: 0  
debug.softdep.cleanup\_high\_delay: 0  
debug.softdep.cleanup\_retries: 0  
debug.softdep.cleanup\_failures: 0  
debug.softdep.flushcache: 0  
debug.softdep.emptyjblocks: 177  
debug.softdep.print\_threads: 0  
debug.bigcgs: 0  
debug.dobkgrdwrite: 1  
debug.dircheck: 0  
debug.psm.loglevel: 0  
debug.psm.hz: 20  
debug.psm.errsecs: 2  
debug.psm.errusecs: 0  
debug.psm.secs: 0  
debug.psm.usecs: 500000  
debug.psm.pkterrthresh: 2  
debug.vesa.shadow\_rom: 0  
debug.fdc.fifo: 8  
debug.fdc.debugflags: 0  
debug.fdc.retries: 10  
debug.fdc.spec1: 175  
debug.fdc.spec2: 16  
debug.fdc.settle: 0  
debug.x86bios.call: 0  
debug.x86bios.int: 0  
debug.hwpstate\_verbose: 0  
debug.minidump: 1  
hw.machine: amd64  
hw.model: Intel(R) Xeon(R) CPU E3-1230 v5 @ 3.40GHz  
hw.ncpu: 8  
hw.byteorder: 1234  
hw.physmem: 17088339968  
hw.usermem: 16690757632  
hw.pagesize: 4096  
hw.floatingpoint: 1  
hw.machine\_arch: amd64  
hw.realmem: 17179869184  
hw.aac.enable\_msi: 1  
hw.amr.force\_sg32: 0  
hw.an.an\_dump: off  
hw.an.an\_cache\_mode: dbm

hw.an.an\_cache\_mcastonly: 0  
hw.an.an\_cache\_iponly: 1  
hw.ata.ata\_dma\_check\_80pin: 1  
hw.ath.longcal: 30  
hw.ath.shortcal: 100  
hw.ath.resetcal: 1200  
hw.ath.anical: 100  
hw.ath.rxbuf: 512  
hw.ath.txbuf: 512  
hw.ath.txbuf\_mgmt: 32  
hw.ath.bstuck: 4  
hw.bce.verbose: 1  
hw.bce.tso\_enable: 1  
hw.bce.msi\_enable: 1  
hw.bce.rx\_pages: 2  
hw.bce.tx\_pages: 2  
hw.bce.hdr\_split: 1  
hw.bce.strict\_rx\_mtu: 0  
hw.bce.tx\_quick\_cons\_trip\_int: 20  
hw.bce.tx\_quick\_cons\_trip: 20  
hw.bce.tx\_ticks\_int: 80  
hw.bce.tx\_ticks: 80  
hw.bce.rx\_quick\_cons\_trip\_int: 6  
hw.bce.rx\_quick\_cons\_trip: 6  
hw.bce.rx\_ticks\_int: 18  
hw.bce.rx\_ticks: 18  
hw.bge.allow\_asf: 1  
hw.cardbus.debug: 0  
hw.cardbus.cis\_debug: 0  
hw.cs.ignore\_checksum\_failure: 0  
hw.cs.recv\_delay: 570  
hw.em.tx\_int\_delay: 66  
hw.em.rx\_int\_delay: 0  
hw.em.tx\_abs\_int\_delay: 66  
hw.em.rx\_abs\_int\_delay: 66  
hw.em.rxd: 1024  
hw.em.txd: 1024  
hw.em.smart\_pwr\_down: 0  
hw.em.sbp: 0  
hw.em.enable\_msix: 1  
hw.em.rx\_process\_limit: 100  
hw.em.eee\_setting: 1  
hw.igb.rxd: 1024  
hw.igb.txd: 1024  
hw.igb.enable\_aim: 1  
hw.igb.enable\_msix: 1  
hw.igb.max\_interrupt\_rate: 8000  
hw.igb.buf\_ring\_size: 4096  
hw.igb.header\_split: 0  
hw.igb.num\_queues: 0  
hw.igb.rx\_process\_limit: 100  
hw.ix.enable\_aim: 1  
hw.ix.max\_interrupt\_rate: 31250  
hw.ix.rx\_process\_limit: 256  
hw.ix.tx\_process\_limit: 256  
hw.ix.enable\_msix: 1  
hw.ix.num\_queues: 0  
hw.ix.txd: 2048  
hw.ix.rxd: 2048  
hw.ixl.enable\_msix: 1  
hw.ixl.ring\_size: 1024  
hw.ixl.max\_queues: 0  
hw.ixl.dynamic\_rx\_itr: 0  
hw.ixl.dynamic\_tx\_itr: 0  
hw.ixl.rx\_itr: 62  
hw.ixl.tx\_itr: 122  
hw.ixlv.ring\_size: 1024  
hw.ixlv.max\_queues: 0  
hw.ixlv.txbr\_size: 16777216  
hw.ixlv.dynamic\_rx\_itr: 0  
hw.ixlv.dynamic\_tx\_itr: 0  
hw.ixlv.rx\_itr: 62  
hw.ixlv.tx\_itr: 122  
hw.malo.txcoalesce: 8  
hw.malo.rxbuf: 256  
hw.malo.rxquota: 256  
hw.malo.txbuf: 256  
hw.malo.pci.msi\_disable: 0  
hw.mfi.event\_locale: 65535  
hw.mfi.event\_class: 0  
hw.mfi.max\_cmds: 128  
hw.mfi.detect\_jbod\_change: 1  
hw.mfi.pollled\_cmd\_timeout: 60  
hw.mfi.cmd\_timeout: 30  
hw.mfi.msi: 1  
hw.mfi.mrsas\_enable: 1  
hw.mmc.debug: 0  
hw.mwl.rxdesc: 256  
hw.mwl.rxbuf: 640  
hw.mwl.txbuf: 256  
hw.mwl.txcoalesce: 8



hw.mwl.rxquota: 640  
hw.mwl.rxdmalow: 3  
hw.pccard.debug: 0  
hw.pccard.cis\_debug: 0  
hw.cbb.start\_memory: 2281701376  
hw.cbb.start\_16\_io: 256  
hw.cbb.start\_32\_io: 4096  
hw.cbb.debug: 0  
hw.pci.intr\_mask: 57016  
hw.pci.pd6722\_vsense: 1  
hw.pci.enable\_io\_modes: 1  
hw.pci.reallocBars: 0  
hw.pci.do\_power\_nodriver: 0  
hw.pci.do\_power\_resume: 1  
hw.pci.do\_power\_suspend: 1  
hw.pci.enable\_msi: 1  
hw.pci.enable\_msix: 1  
hw.pci.honor\_msi\_blacklist: 1  
hw.pci.usb\_early\_takeover: 1  
hw.pci.clearBars: 0  
hw.pci.clear\_pcib: 0  
hw.pci.default\_vgapci\_unit: 0  
hw.pci.mcfg: 1  
hw.pci.host\_mem\_start: 2147483648  
hw.sdhci.debug: 0  
hw.sdhci.enable\_msi: 1  
hw.snd.report\_soft\_formats: 1  
hw.snd.report\_soft\_matrix: 1  
hw.snd.latency: 5  
hw.snd.latency\_profile: 1  
hw.snd.vpc\_autoreset: 1  
hw.snd.vpc\_0db: 45  
hw.snd.vpc\_reset: 0  
hw.snd.compat\_linux\_mmap: 0  
hw.snd.feeder\_eq\_presets: PEQ:16000,0.2500,62,0.2500:-9,9,1.0:44100,48000,88200,96000,176400,192000  
hw.snd.feeder\_eq\_exact\_rate: 0  
hw.snd.feeder\_rate\_presets: 100:8:0.85 100:36:0.92 100:164:0.97  
hw.snd.feeder\_rate\_polyphase\_max: 183040  
hw.snd.feeder\_rate\_min: 1  
hw.snd.feeder\_rate\_max: 2016000  
hw.snd.feeder\_rate\_round: 25  
hw.snd.feeder\_rate\_quality: 1  
hw.snd.vpc\_mixer\_bypass: 1  
hw.snd.verbose: 0  
hw.snd.default\_auto: -1  
hw.snd.version: 2009061500/amd64  
hw.snd.default\_unit: -1  
hw.snd.maxautovchans: 16  
hw.midi.stat.verbose: 0  
hw.midi.debug: 0  
hw.midi.dumpraw: 0  
hw.midi.instrhoff: 0  
hw.midi.seq.debug: 0  
hw.syscons.saver.keybonly: 1  
hw.syscons.bell: 1  
hw.syscons.kbd\_reboot: 1  
hw.syscons.kbd\_debug: 1  
hw.syscons.sc\_no\_suspend\_vtswitch: 0  
hw.broken\_txfifo: 0  
hw.usb.ehci.debug: 0  
hw.usb.ehci.no\_hs: 0  
hw.usb.ehci.iaadbug: 0  
hw.usb.ehci.lostintrbug: 0  
hw.usb.ohci.debug: 0  
hw.usb.uhci.debug: 0  
hw.usb.uhci.loop: 0  
hw.usb.xhci.streams: 0  
hw.usb.xhci.debug: 0  
hw.usb.xhci.xhci\_port\_route: 0  
hw.usb.xhci.use\_polling: 0  
hw.usb.ctrl.debug: 0  
hw.usb.no\_boot\_wait: 0  
hw.usb.no\_suspend\_wait: 0  
hw.usb.no\_shutdown\_wait: 0  
hw.usb.umass.debug: 0  
hw.usb.umass.throttle: 0  
hw.usb.debug: 0  
hw.usb.timings.port\_reset\_delay: 50  
hw.usb.timings.port\_root\_reset\_delay: 250  
hw.usb.timings.port\_reset\_recovery: 250  
hw.usb.timings.port\_powerup\_delay: 300  
hw.usb.timings.port\_resume\_delay: 40  
hw.usb.timings.set\_address\_settle: 10  
hw.usb.timings.resume\_delay: 250  
hw.usb.timings.resume\_wait: 50  
hw.usb.timings.resume\_recovery: 50  
hw.usb.timings.extra\_power\_up\_time: 20  
hw.usb.dev.debug: 0  
hw.usb.template: 0  
hw.usb.usb\_lang\_id: 9  
hw.usb.usb\_lang\_mask: 255

hw.usb.ugen.debug: 0  
hw.usb.uhub.debug: 0  
hw.usb.power\_timeout: 30  
hw.usb.proc.debug: 0  
hw.usb.no\_cs\_fail: 0  
hw.usb.full\_ddesc: 0  
hw.usb.ukbd.debug: 0  
hw.usb.ukbd.no\_leds: 0  
hw.usb.ukbd.pollrate: 0  
hw.usb.ums.debug: 0  
hw.watchdog.wd\_last\_u: 0  
hw.watchdog.wd\_last\_u\_secs: 0  
hw.wl.txerate: 0  
hw.wl.debug: 0  
hw.xe.debug: 0  
hw.intr\_storm\_threshold: 1000  
hw.availpages: 4171958  
hw.pagesizes: 4096 2097152 0  
hw.bus.devctl\_disable: 0  
hw.bus.devctl\_queue: 1000  
hw.clockrate: 3408  
hw.instruction\_sse: 1  
hw.via\_feature\_rng: 0  
hw.via\_feature\_xcrypt: 0  
hw.psm.tap\_enabled: -1  
hw.psm.tap\_threshold: 25  
hw.psm.tap\_timeout: 125000  
hw.bxe.debug: 0  
hw.bxe.interrupt\_mode: 2  
hw.bxe.queue\_count: 4  
hw.bxe.max\_rx\_bufs: 0  
hw.bxe.hc\_rx\_ticks: 25  
hw.bxe.hc\_tx\_ticks: 50  
hw.bxe.rx\_budget: -1  
hw.bxe.max\_aggregation\_size: 0  
hw.bxe.mrrs: -1  
hw.bxe.autogreen: 0  
hw.bxe.udp\_rss: 0  
hw.kbd.keymap\_restrict\_change: 0  
hw.dmar.tbl\_pagecnt: 0  
hw.dmar.match\_verbos: 0  
hw.bsdma.total\_bpages: 9020  
hw.bsdma.zone0.total\_bpages: 8196  
hw.bsdma.zone0.free\_bpages: 8196  
hw.bsdma.zone0.reserved\_bpages: 0  
hw.bsdma.zone0.active\_bpages: 0  
hw.bsdma.zone0.total\_bounced: 0  
hw.bsdma.zone0.total\_deferred: 0  
hw.bsdma.zone0.lowaddr: 0xffffffffffff  
hw.bsdma.zone0.alignment: 4096  
hw.bsdma.zone1.total\_bpages: 824  
hw.bsdma.zone1.free\_bpages: 823  
hw.bsdma.zone1.reserved\_bpages: 0  
hw.bsdma.zone1.active\_bpages: 1  
hw.bsdma.zone1.total\_bounced: 2612  
hw.bsdma.zone1.total\_deferred: 0  
hw.bsdma.zone1.lowaddr: 0xffffffffffff  
hw.bsdma.zone1.alignment: 4096  
hw.apic.enable\_extint: 0  
hw.mca.enabled: 1  
hw.mca.amd10h\_L1TP: 1  
hw.mca.intel6h\_HSD131: 0  
hw.mca.erratum383: 0  
hw.mca.count: 0  
hw.mca.interval: 3600  
hw.mca.force\_scan: 0  
hw.mca.cmc\_throttle: 60  
hw.acpi.supported\_sleep\_state: 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.adjkerntz: -32400  
machdep.wall\_cmos\_clock: 1  
machdep.disable\_rtc\_set: 0  
machdep.disable\_mrrs: 0  
machdep.idle\_mwait: 1  
machdep.idle\_available: spin, mwait, hlt, acpi  
machdep.idle: acpi  
machdep.bootmethod: BIOS

machdep.nkpt: 22  
machdep.max\_ldt\_segment: 1024  
machdep.kdb\_on\_nmi: 1  
machdep.panic\_on\_nmi: 1  
machdep.prot\_fault\_translation: 0  
machdep.uprintf\_signal: 0  
machdep.acpi\_root: 984496  
machdep.i8254\_freq: 1193182  
machdep.disable\_tsc: 0  
machdep.disable\_tsc\_calibration: 0  
machdep.tsc\_freq: 3408112062  
user.cs\_path:  
user.bc\_base\_max: 0  
user.bc\_dim\_max: 0  
user.bc\_scale\_max: 0  
user.bc\_string\_max: 0  
user.coll\_weights\_max: 0  
user.expr\_nest\_max: 0  
user.line\_max: 0  
user.re\_dup\_max: 0  
user.posix2\_version: 0  
user.posix2\_c\_bind: 0  
user.posix2\_c\_dev: 0  
user.posix2\_char\_term: 0  
user.posix2\_fort\_dev: 0  
user.posix2\_fort\_run: 0  
user.posix2\_localedef: 0  
user.posix2\_sw\_dev: 0  
user.posix2\_upe: 0  
user.stream\_max: 0  
user.tzname\_max: 0  
p1003\_1b.asynchronous\_io: 0  
p1003\_1b.mapped\_files: 200112  
p1003\_1b.memlock: 0  
p1003\_1b.memlock\_range: 0  
p1003\_1b.memory\_protection: 0  
p1003\_1b.message\_passing: 0  
p1003\_1b.prioritized\_io: 0  
p1003\_1b.priority\_scheduling: 200112  
p1003\_1b.realtime\_signals: 200112  
p1003\_1b.semaphores: 0  
p1003\_1b.fsync: 200112  
p1003\_1b.shared\_memory\_objects: 200112  
p1003\_1b.synchronized\_io: 0  
p1003\_1b.timers: 200112  
p1003\_1b.aio\_listio\_max: -1  
p1003\_1b.aio\_max: -1  
p1003\_1b.aio\_prio\_delta\_max: -1  
p1003\_1b.delaytimer\_max: 2147483647  
p1003\_1b.mq\_open\_max: 0  
p1003\_1b.pagesize: 4096  
p1003\_1b.rtsig\_max: 62  
p1003\_1b.sem\_nsems\_max: 0  
p1003\_1b.sem\_value\_max: 0  
p1003\_1b.sigqueue\_max: 128  
p1003\_1b.timer\_max: 32  
compat.ia32.maxdsiz: 536870912  
compat.ia32.maxssiz: 67108864  
compat.ia32.maxvmem: 0  
security.jail.jailed: 0  
security.jail.vnet: 0  
security.jail.jail\_max\_af\_ips: 255  
security.jail.set\_hostname\_allowed: 1  
security.jail.socket\_unixiproute\_only: 1  
security.jail.sysvipc\_allowed: 0  
security.jail.allow\_raw\_sockets: 0  
security.jail.chflags\_allowed: 0  
security.jail.mount\_allowed: 0  
security.jail.mount\_devfs\_allowed: 0  
security.jail.mount\_nullfs\_allowed: 0  
security.jail.mount\_procfs\_allowed: 0  
security.jail.mount\_tmpfs\_allowed: 0  
security.jail.mount\_zfs\_allowed: 0  
security.jail.enforce\_statfs: 2  
security.jail.devfs\_ruleset: 0  
security.jail.param.jid: 0  
security.jail.param.parent: 0  
security.jail.param.name: 256  
security.jail.param.path: 1024  
security.jail.param.securelevel: 0  
security.jail.param.enforce\_statfs: 0  
security.jail.param.devfs\_ruleset: 0  
security.jail.param.persist: 0  
security.jail.param.dying: 0  
security.jail.param.children.cur: 0  
security.jail.param.children.max: 0  
security.jail.param.host.: 0  
security.jail.param.host.hostname: 256  
security.jail.param.host.domainname: 256  
security.jail.param.host.hostuid: 64  
security.jail.param.host.hostid: 0

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security.jail.param.cpu.set.id: 0
security.jail.param.ip4.: 0
security.jail.param.ip4.saddr.sel: 0
security.jail.param.ip6.: 0
security.jail.param.ip6.saddr.sel: 0
security.jail.param.allow.set.hostname: 0
security.jail.param.allow.sysvipc: 0
security.jail.param.allow.raw.sockets: 0
security.jail.param.allow.chflags: 0
security.jail.param.allow.quotas: 0
security.jail.param.allow.socket.af: 0
security.jail.param.allow.mount.: 0
security.jail.param.allow.mount.devfs: 0
security.jail.param.allow.mount.nullfs: 0
security.jail.param.allow.mount.procfs: 0
security.jail.param.allow.mount.tmpfs: 0
security.jail.param.allow.mount.zfs: 0
security.bsd.map.at.zero: 0
security.bsd.suser.enabled: 1
security.bsd.unprivileged.mlock: 1
security.bsd.see.other.uids: 1
security.bsd.see.other.gids: 1
security.bsd.conservative.signals: 1
security.bsd.unprivileged.proc.debug: 1
security.bsd.unprivileged.idprio: 0
security.bsd.unprivileged.read.msgbuf: 1
security.bsd.hardlink.check.uid: 0
security.bsd.hardlink.check.gid: 0
security.bsd.unprivileged.get.quota: 0
security.bsd.stack.guard.page: 0
security.mac.version: 4
security.mac.max.slots: 4
security.mac.labeled: 0
security.mac.mmap.revocation: 1
security.mac.mmap.revocation.via.cow: 0
dev.xen.balloon.current: 0
dev.xen.balloon.target: 0
dev.xen.balloon.driver.pages: 0
dev.xen.balloon.hard.limit: 0
dev.xen.balloon.low.mem: 0
dev.xen.balloon.high.mem: 0
dev.xen.xsd.port: 0
dev.xen.xsd.kva: 0
dev.hv.kvp.log: 0
dev.nexus.%parent:
dev.nexus.0.%desc:
dev.nexus.0.%driver: nexus
dev.nexus.0.%location:
dev.nexus.0.%pnpinfo:
dev.nexus.0.%parent: root0
dev.ram.%parent:
dev.ram.0.%desc: System RAM
dev.ram.0.%driver: ram
dev.ram.0.%location:
dev.ram.0.%pnpinfo:
dev.ram.0.%parent: nexus0
dev.acpi.%parent:
dev.acpi.0.%desc: AMI 0707
dev.acpi.0.%driver: acpi
dev.acpi.0.%location:
dev.acpi.0.%pnpinfo:
dev.acpi.0.%parent: nexus0
dev.acpi_sysresource.%parent:
dev.acpi_sysresource.0.%desc: System Resource
dev.acpi_sysresource.0.%driver: acpi_sysresource
dev.acpi_sysresource.0.%location: handle=_SB_.PCI0.LPCB.SIO1
dev.acpi_sysresource.0.%pnpinfo: _HID=PNP0C02 _UID=0
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.LPCB.LDR2
dev.acpi_sysresource.1.%pnpinfo: _HID=PNP0C02 _UID=2
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.LPCB.LDR2
dev.acpi_sysresource.2.%pnpinfo: _HID=PNP0C02 _UID=0
dev.acpi_sysresource.2.%parent: acpi0
dev.acpi_sysresource.3.%desc: System Resource
dev.acpi_sysresource.3.%driver: acpi_sysresource
dev.acpi_sysresource.3.%location: handle=_SB_.PCI0.LPCB.CWDT
dev.acpi_sysresource.3.%pnpinfo: _HID=INT3F0D _UID=0
dev.acpi_sysresource.3.%parent: acpi0
dev.acpi_sysresource.4.%desc: System Resource
dev.acpi_sysresource.4.%driver: acpi_sysresource
dev.acpi_sysresource.4.%location: handle=_SB_.PCI0.RP20.PPF1
dev.acpi_sysresource.4.%pnpinfo: _HID=PNP0C01 _UID=241
dev.acpi_sysresource.4.%parent: acpi0
dev.acpi_sysresource.5.%desc: System Resource
dev.acpi_sysresource.5.%driver: acpi_sysresource
dev.acpi_sysresource.5.%location: handle=_SB_.PCI0.PDR2

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dev.acpi_sysresource.5.%npninfo: _HID=PNP0C02 _UID=1
dev.acpi_sysresource.5.%parent: acpi0
dev.acpi_sysresource.6.%desc: System Resource
dev.acpi_sysresource.6.%driver: acpi_sysresource
dev.acpi_sysresource.6.%location: handle=_SB_.PCI0.IOTR
dev.acpi_sysresource.6.%npninfo: _HID=PNP0C02 _UID=0
dev.acpi_sysresource.6.%parent: acpi0
dev.cpu.%parent:
dev.cpu.0.%desc: ACPI CPU
dev.cpu.0.%driver: cpu
dev.cpu.0.%location: handle=_PR_.CPU0
dev.cpu.0.%npninfo: _HID=none _UID=0
dev.cpu.0.%parent: acpi0
dev.cpu.0.freq: 3400
dev.cpu.0.freq_levels: 3401/80000 3400/80000 3200/73495 3000/67226 2800/61202 2700/58269 2500/52572 2300/47109 2100/41853 1900/36813
1700/32645 1500/28007 1400/25765 1225/22544 1200/21437 1050/18757 1000/17302 875/15139 800/13362 700/11691 600/10021 500/8351 400/6681
300/5010 200/3340 100/1670
dev.cpu.0.cx_supported: C1/1/1 C2/2/120
dev.cpu.0.cx_lowest: C1
dev.cpu.0.cx_usage: 100.00% 0.00% last 207us
dev.cpu.1.%desc: ACPI CPU
dev.cpu.1.%driver: cpu
dev.cpu.1.%location: handle=_PR_.CPU1
dev.cpu.1.%npninfo: _HID=none _UID=0
dev.cpu.1.%parent: acpi0
dev.cpu.1.cx_supported: C1/1/1 C2/2/120
dev.cpu.1.cx_lowest: C1
dev.cpu.1.cx_usage: 100.00% 0.00% last 4023us
dev.cpu.2.%desc: ACPI CPU
dev.cpu.2.%driver: cpu
dev.cpu.2.%location: handle=_PR_.CPU2
dev.cpu.2.%npninfo: _HID=none _UID=0
dev.cpu.2.%parent: acpi0
dev.cpu.2.cx_supported: C1/1/1 C2/2/120
dev.cpu.2.cx_lowest: C1
dev.cpu.2.cx_usage: 100.00% 0.00% last 3113us
dev.cpu.3.%desc: ACPI CPU
dev.cpu.3.%driver: cpu
dev.cpu.3.%location: handle=_PR_.CPU3
dev.cpu.3.%npninfo: _HID=none _UID=0
dev.cpu.3.%parent: acpi0
dev.cpu.3.cx_supported: C1/1/1 C2/2/120
dev.cpu.3.cx_lowest: C1
dev.cpu.3.cx_usage: 100.00% 0.00% last 4208us
dev.cpu.4.%desc: ACPI CPU
dev.cpu.4.%driver: cpu
dev.cpu.4.%location: handle=_PR_.CPU4
dev.cpu.4.%npninfo: _HID=none _UID=0
dev.cpu.4.%parent: acpi0
dev.cpu.4.cx_supported: C1/1/1 C2/2/120
dev.cpu.4.cx_lowest: C1
dev.cpu.4.cx_usage: 100.00% 0.00% last 4176us
dev.cpu.5.%desc: ACPI CPU
dev.cpu.5.%driver: cpu
dev.cpu.5.%location: handle=_PR_.CPU5
dev.cpu.5.%npninfo: _HID=none _UID=0
dev.cpu.5.%parent: acpi0
dev.cpu.5.cx_supported: C1/1/1 C2/2/120
dev.cpu.5.cx_lowest: C1
dev.cpu.5.cx_usage: 100.00% 0.00% last 4232us
dev.cpu.6.%desc: ACPI CPU
dev.cpu.6.%driver: cpu
dev.cpu.6.%location: handle=_PR_.CPU6
dev.cpu.6.%npninfo: _HID=none _UID=0
dev.cpu.6.%parent: acpi0
dev.cpu.6.cx_supported: C1/1/1 C2/2/120
dev.cpu.6.cx_lowest: C1
dev.cpu.6.cx_usage: 100.00% 0.00% last 4000us
dev.cpu.7.%desc: ACPI CPU
dev.cpu.7.%driver: cpu
dev.cpu.7.%location: handle=_PR_.CPU7
dev.cpu.7.%npninfo: _HID=none _UID=0
dev.cpu.7.%parent: acpi0
dev.cpu.7.cx_supported: C1/1/1 C2/2/120
dev.cpu.7.cx_lowest: C1
dev.cpu.7.cx_usage: 100.00% 0.00% last 4413us
dev.hpet.%parent:
dev.hpet.0.%desc: High Precision Event Timer
dev.hpet.0.%driver: hpet
dev.hpet.0.%location: handle=_SB_.PCI0.LPCB.HPET
dev.hpet.0.%npninfo: _HID=PNP0103 _UID=0
dev.hpet.0.%parent: acpi0
dev.atrtc.%parent:
dev.atrtc.0.%desc: AT realtime clock
dev.atrtc.0.%driver: atrtc
dev.atrtc.0.%location: handle=_SB_.PCI0.LPCB.RTC_
dev.atrtc.0.%npninfo: _HID=PNP0B00 _UID=0
dev.atrtc.0.%parent: acpi0
dev.attimer.%parent:
dev.attimer.0.%desc: AT timer
dev.attimer.0.%driver: attimer

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dev.attimer.0.%location: handle=\_SB_.PCI0.LPCB.TIMR
dev.attimer.0.%pnpinfo: _HID=PNP0100 _UID=0
dev.attimer.0.%parent: acpi0
dev.acpi_timer.%parent:
dev.acpi_timer.0.%desc: 24-bit timer at 3.579545MHz
dev.acpi_timer.0.%driver: acpi_timer
dev.acpi_timer.0.%location: unknown
dev.acpi_timer.0.%pnpinfo: unknown
dev.acpi_timer.0.%parent: acpi0
dev.pci_link.%parent:
dev.pci_link.0.%desc: ACPI PCI Link LNKA
dev.pci_link.0.%driver: pci_link
dev.pci_link.0.%location: handle=\_SB_.LNKA
dev.pci_link.0.%pnpinfo: _HID=PNP0C0F _UID=1
dev.pci_link.0.%parent: acpi0
dev.pci_link.1.%desc: ACPI PCI Link LNKB
dev.pci_link.1.%driver: pci_link
dev.pci_link.1.%location: handle=\_SB_.LNKB
dev.pci_link.1.%pnpinfo: _HID=PNP0C0F _UID=2
dev.pci_link.1.%parent: acpi0
dev.pci_link.2.%desc: ACPI PCI Link LNKC
dev.pci_link.2.%driver: pci_link
dev.pci_link.2.%location: handle=\_SB_.LNKC
dev.pci_link.2.%pnpinfo: _HID=PNP0C0F _UID=3
dev.pci_link.2.%parent: acpi0
dev.pci_link.3.%desc: ACPI PCI Link LNKD
dev.pci_link.3.%driver: pci_link
dev.pci_link.3.%location: handle=\_SB_.LNKD
dev.pci_link.3.%pnpinfo: _HID=PNP0C0F _UID=4
dev.pci_link.3.%parent: acpi0
dev.pci_link.4.%desc: ACPI PCI Link LNKE
dev.pci_link.4.%driver: pci_link
dev.pci_link.4.%location: handle=\_SB_.LNKE
dev.pci_link.4.%pnpinfo: _HID=PNP0C0F _UID=5
dev.pci_link.4.%parent: acpi0
dev.pci_link.5.%desc: ACPI PCI Link LNKF
dev.pci_link.5.%driver: pci_link
dev.pci_link.5.%location: handle=\_SB_.LNKF
dev.pci_link.5.%pnpinfo: _HID=PNP0C0F _UID=6
dev.pci_link.5.%parent: acpi0
dev.pci_link.6.%desc: ACPI PCI Link LNKG
dev.pci_link.6.%driver: pci_link
dev.pci_link.6.%location: handle=\_SB_.LNKG
dev.pci_link.6.%pnpinfo: _HID=PNP0C0F _UID=7
dev.pci_link.6.%parent: acpi0
dev.pci_link.7.%desc: ACPI PCI Link LNKH
dev.pci_link.7.%driver: pci_link
dev.pci_link.7.%location: handle=\_SB_.LNKH
dev.pci_link.7.%pnpinfo: _HID=PNP0C0F _UID=8
dev.pci_link.7.%parent: acpi0
dev.pci_b.%parent:
dev.pci_b.0.%desc: ACPI Host-PCI bridge
dev.pci_b.0.%driver: pci_b
dev.pci_b.0.%location: handle=\_SB_.PCI0
dev.pci_b.0.%pnpinfo: _HID=PNP0A08 _UID=0
dev.pci_b.0.%parent: acpi0
dev.pci_b.1.%desc: ACPI PCI-PCI bridge
dev.pci_b.1.%driver: pci_b
dev.pci_b.1.%location: slot=1 function=0 handle=\_SB_.PCI0.PEG0
dev.pci_b.1.%pnpinfo: vendor=0x8086 device=0x1901 subvendor=0x1bcf subdevice=0x8069 class=0x060400
dev.pci_b.1.%parent: pci0
dev.pci_b.1.domain: 0
dev.pci_b.1.pribus: 0
dev.pci_b.1.secbus: 1
dev.pci_b.1.subbus: 1
dev.pci_b.1.wake: 0
dev.pci_b.2.%desc: ACPI PCI-PCI bridge
dev.pci_b.2.%driver: pci_b
dev.pci_b.2.%location: slot=27 function=0 handle=\_SB_.PCI0.RP18
dev.pci_b.2.%pnpinfo: vendor=0x8086 device=0xa168 subvendor=0x1bcf subdevice=0x8069 class=0x060400
dev.pci_b.2.%parent: pci0
dev.pci_b.2.domain: 0
dev.pci_b.2.pribus: 0
dev.pci_b.2.secbus: 48
dev.pci_b.2.subbus: 48
dev.pci_b.2.wake: 0
dev.pci_b.3.%desc: ACPI PCI-PCI bridge
dev.pci_b.3.%driver: pci_b
dev.pci_b.3.%location: slot=27 function=3 handle=\_SB_.PCI0.RP20
dev.pci_b.3.%pnpinfo: vendor=0x8086 device=0xa16a subvendor=0x1bcf subdevice=0x8069 class=0x060400
dev.pci_b.3.%parent: pci0
dev.pci_b.3.domain: 0
dev.pci_b.3.pribus: 0
dev.pci_b.3.secbus: 95
dev.pci_b.3.subbus: 95
dev.pci_b.3.wake: 0
dev.pci_b.4.%desc: ACPI PCI-PCI bridge
dev.pci_b.4.%driver: pci_b
dev.pci_b.4.%location: slot=28 function=0 handle=\_SB_.PCI0.RP01
dev.pci_b.4.%pnpinfo: vendor=0x8086 device=0xa110 subvendor=0x1bcf subdevice=0x8069 class=0x060400
dev.pci_b.4.%parent: pci0

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dev.pci.4.domain: 0
dev.pci.4.pribus: 0
dev.pci.4.secbus: 96
dev.pci.4.subbus: 96
dev.pci.4.wake: 0
dev.pci.5.%desc: ACPI PCI-PCI bridge
dev.pci.5.%driver: pcib
dev.pci.5.%location: slot=28 function=3 handle=_SB_.PCI0.RP04
dev.pci.5.%npninfo: vendor=0x8086 device=0xa113 subvendor=0x1bcf subdevice=0x8069 class=0x060400
dev.pci.5.%parent: pci0
dev.pci.5.domain: 0
dev.pci.5.pribus: 0
dev.pci.5.secbus: 143
dev.pci.5.subbus: 143
dev.pci.5.wake: 0
dev.pci.6.%desc: ACPI PCI-PCI bridge
dev.pci.6.%driver: pcib
dev.pci.6.%location: slot=28 function=4 handle=_SB_.PCI0.RP05
dev.pci.6.%npninfo: vendor=0x8086 device=0xa114 subvendor=0x1bcf subdevice=0x8069 class=0x060400
dev.pci.6.%parent: pci0
dev.pci.6.domain: 0
dev.pci.6.pribus: 0
dev.pci.6.secbus: 144
dev.pci.6.subbus: 144
dev.pci.6.wake: 0
dev.pci.7.%desc: ACPI PCI-PCI bridge
dev.pci.7.%driver: pcib
dev.pci.7.%location: slot=29 function=0 handle=_SB_.PCI0.RP09
dev.pci.7.%npninfo: vendor=0x8086 device=0xa118 subvendor=0x1bcf subdevice=0x8069 class=0x060400
dev.pci.7.%parent: pci0
dev.pci.7.domain: 0
dev.pci.7.pribus: 0
dev.pci.7.secbus: 192
dev.pci.7.subbus: 192
dev.pci.7.wake: 0
dev.pci.%parent:
dev.pci.0.%desc: ACPI PCI bus
dev.pci.0.%driver: pci
dev.pci.0.%location:
dev.pci.0.%npninfo:
dev.pci.0.%parent: pcib0
dev.pci.1.%desc: ACPI PCI bus
dev.pci.1.%driver: pci
dev.pci.1.%location:
dev.pci.1.%npninfo:
dev.pci.1.%parent: pcib1
dev.pci.1.wake: 0
dev.pci.48.%desc: ACPI PCI bus
dev.pci.48.%driver: pci
dev.pci.48.%location:
dev.pci.48.%npninfo:
dev.pci.48.%parent: pcib2
dev.pci.48.wake: 0
dev.pci.95.%desc: ACPI PCI bus
dev.pci.95.%driver: pci
dev.pci.95.%location:
dev.pci.95.%npninfo:
dev.pci.95.%parent: pcib3
dev.pci.95.wake: 0
dev.pci.96.%desc: ACPI PCI bus
dev.pci.96.%driver: pci
dev.pci.96.%location:
dev.pci.96.%npninfo:
dev.pci.96.%parent: pcib4
dev.pci.96.wake: 0
dev.pci.143.%desc: ACPI PCI bus
dev.pci.143.%driver: pci
dev.pci.143.%location:
dev.pci.143.%npninfo:
dev.pci.143.%parent: pcib5
dev.pci.143.wake: 0
dev.pci.144.%desc: ACPI PCI bus
dev.pci.144.%driver: pci
dev.pci.144.%location:
dev.pci.144.%npninfo:
dev.pci.144.%parent: pcib6
dev.pci.144.wake: 0
dev.pci.192.%desc: ACPI PCI bus
dev.pci.192.%driver: pci
dev.pci.192.%location:
dev.pci.192.%npninfo:
dev.pci.192.%parent: pcib7
dev.pci.192.wake: 0
dev.hostb.%parent:
dev.hostb.0.%desc: Host to PCI bridge
dev.hostb.0.%driver: hostb
dev.hostb.0.%location: slot=0 function=0 handle=_SB_.PCI0.LNK3
dev.hostb.0.%npninfo: vendor=0x8086 device=0x1918 subvendor=0x1bcf subdevice=0x8069 class=0x060000
dev.hostb.0.%parent: pci0
dev.xhci.%parent:
dev.xhci.0.%desc: XHCI (generic) USB 3.0 controller

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dev.xhci.0.%driver: xhci
dev.xhci.0.%location: slot=20 function=0 handle=_SB_.PCI0.XHC_
dev.xhci.0.%pnpinfo: vendor=0x8086 device=0xa12f subvendor=0x1bcf subdevice=0x8069 class=0xc0330
dev.xhci.0.%parent: pci0
dev.xhci.0.wake: 0
dev.usb.usb.%parent:
dev.usb.usb.0.%desc:
dev.usb.usb.0.%driver: usb
dev.usb.usb.0.%location:
dev.usb.usb.0.%pnpinfo:
dev.usb.usb.0.%parent: xhci0
dev.ahci.ahci.%parent:
dev.ahci.ahci.0.%desc: AHCI SATA controller
dev.ahci.ahci.0.%driver: ahci
dev.ahci.ahci.0.%location: slot=23 function=0 handle=_SB_.PCI0.SAT0
dev.ahci.ahci.0.%pnpinfo: vendor=0x8086 device=0xa102 subvendor=0x1bcf subdevice=0x8069 class=0x010601
dev.ahci.ahci.0.%parent: pci0
dev.ahci.ahci.0.%parent:
dev.ahci.ahci.0.%desc: AHCI channel
dev.ahci.ahci.0.%driver: ahci
dev.ahci.ahci.0.%location: channel=0
dev.ahci.ahci.0.%pnpinfo:
dev.ahci.ahci.0.%parent: ahci0
dev.ahci.ahci.1.%desc: AHCI channel
dev.ahci.ahci.1.%driver: ahci
dev.ahci.ahci.1.%location: channel=1
dev.ahci.ahci.1.%pnpinfo:
dev.ahci.ahci.1.%parent: ahci0
dev.ahci.ahci.2.%desc: AHCI channel
dev.ahci.ahci.2.%driver: ahci
dev.ahci.ahci.2.%location: channel=2
dev.ahci.ahci.2.%pnpinfo:
dev.ahci.ahci.2.%parent: ahci0
dev.ahci.ahci.3.%desc: AHCI channel
dev.ahci.ahci.3.%driver: ahci
dev.ahci.ahci.3.%location: channel=3
dev.ahci.ahci.3.%pnpinfo:
dev.ahci.ahci.3.%parent: ahci0
dev.ahci.ahci.4.%desc: AHCI channel
dev.ahci.ahci.4.%driver: ahci
dev.ahci.ahci.4.%location: channel=4
dev.ahci.ahci.4.%pnpinfo:
dev.ahci.ahci.4.%parent: ahci0
dev.ahci.ahciem.%parent:
dev.ahci.ahciem.0.%desc: AHCI enclosure management bridge
dev.ahci.ahciem.0.%driver: ahciem
dev.ahci.ahciem.0.%location:
dev.ahci.ahciem.0.%pnpinfo:
dev.ahci.ahciem.0.%parent: ahci0
dev.bge.bge.%parent:
dev.bge.bge.0.%desc: 1000BASE-T Adapter(4ch), ASIC rev. 0x5719001
dev.bge.bge.0.%driver: bge
dev.bge.bge.0.%location: slot=0 function=0 handle=_SB_.PCI0.RP18.PXSX
dev.bge.bge.0.%pnpinfo: vendor=0x14e4 device=0x1657 subvendor=0x1bcf subdevice=0x8064 class=0x020000
dev.bge.bge.0.%parent: pci48
dev.bge.bge.0.forced_collapse: 0
dev.bge.bge.0.msi: 1
dev.bge.bge.0.forced_udpcsum: 0
dev.bge.bge.0.stats.FramesDroppedDueToFilters: 0
dev.bge.bge.0.stats.DmaWriteQueueFull: 0
dev.bge.bge.0.stats.DmaWriteHighPriQueueFull: 0
dev.bge.bge.0.stats.NoMoreRxBDs: 0
dev.bge.bge.0.stats.InputDiscards: 0
dev.bge.bge.0.stats.InputErrors: 0
dev.bge.bge.0.stats.RecvThresholdHit: 0
dev.bge.bge.0.stats.rx.ifHCInOctets: 0
dev.bge.bge.0.stats.rx.Fragments: 0
dev.bge.bge.0.stats.rx.UnicastPkts: 0
dev.bge.bge.0.stats.rx.MulticastPkts: 0
dev.bge.bge.0.stats.rx.BroadcastPkts: 0
dev.bge.bge.0.stats.rx.FCSerrors: 0
dev.bge.bge.0.stats.rx.AlignmentErrors: 0
dev.bge.bge.0.stats.rx.xonPauseFramesReceived: 0
dev.bge.bge.0.stats.rx.xoffPauseFramesReceived: 0
dev.bge.bge.0.stats.rx.ControlFramesReceived: 0
dev.bge.bge.0.stats.rx.xoffStateEntered: 0
dev.bge.bge.0.stats.rx.FramesTooLong: 0
dev.bge.bge.0.stats.rx.Jabbers: 0
dev.bge.bge.0.stats.rx.UndersizePkts: 0
dev.bge.bge.0.stats.tx.ifHCOutOctets: 0
dev.bge.bge.0.stats.tx.Collisions: 0
dev.bge.bge.0.stats.tx.XonSent: 0
dev.bge.bge.0.stats.tx.XoffSent: 0
dev.bge.bge.0.stats.tx.InternalMacTransmitErrors: 0
dev.bge.bge.0.stats.tx.SingleCollisionFrames: 0
dev.bge.bge.0.stats.tx.MultipleCollisionFrames: 0
dev.bge.bge.0.stats.tx.DeferredTransmissions: 0
dev.bge.bge.0.stats.tx.ExcessiveCollisions: 0
dev.bge.bge.0.stats.tx.LateCollisions: 0
dev.bge.bge.0.stats.tx.UnicastPkts: 0
dev.bge.bge.0.stats.tx.MulticastPkts: 0

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dev.bge.0.stats.tx.BroadcastPkts: 0
dev.bge.0.wake: 0
dev.bge.1.%desc: 1000BASE-T_Adapter(4ch), ASIC rev. 0x5719001
dev.bge.1.%driver: bge
dev.bge.1.%location: slot=0 function=1
dev.bge.1.%npninfo: vendor=0x14e4 device=0x1657 subvendor=0x1bcf subdevice=0x8064 class=0x020000
dev.bge.1.%parent: pci48
dev.bge.1.forced_collapse: 0
dev.bge.1.msi: 1
dev.bge.1.forced_udpcsum: 0
dev.bge.1.stats.FramesDroppedDueToFilters: 0
dev.bge.1.stats.DmaWriteQueueFull: 0
dev.bge.1.stats.DmaWriteHighPriQueueFull: 0
dev.bge.1.stats.NoMoreRxBDs: 0
dev.bge.1.stats.InputDiscards: 0
dev.bge.1.stats.InputErrors: 0
dev.bge.1.stats.RecvThresholdHit: 0
dev.bge.1.stats.rx.ifHCInOctets: 0
dev.bge.1.stats.rx.Fragments: 0
dev.bge.1.stats.rx.UnicastPkts: 0
dev.bge.1.stats.rx.MulticastPkts: 0
dev.bge.1.stats.rx.BroadcastPkts: 0
dev.bge.1.stats.rx.FCSerrors: 0
dev.bge.1.stats.rx.AlignmentErrors: 0
dev.bge.1.stats.rx.xonPauseFramesReceived: 0
dev.bge.1.stats.rx.xoffPauseFramesReceived: 0
dev.bge.1.stats.rx.ControlFramesReceived: 0
dev.bge.1.stats.rx.xoffStateEntered: 0
dev.bge.1.stats.rx.FramesTooLong: 0
dev.bge.1.stats.rx.Jabbers: 0
dev.bge.1.stats.rx.UndersizePkts: 0
dev.bge.1.stats.tx.ifHCOutOctets: 0
dev.bge.1.stats.tx.Collisions: 0
dev.bge.1.stats.tx.XonSent: 0
dev.bge.1.stats.tx.XoffSent: 0
dev.bge.1.stats.tx.InternalMacTransmitErrors: 0
dev.bge.1.stats.tx.SingleCollisionFrames: 0
dev.bge.1.stats.tx.MultipleCollisionFrames: 0
dev.bge.1.stats.tx.DeferredTransmissions: 0
dev.bge.1.stats.tx.ExcessiveCollisions: 0
dev.bge.1.stats.tx.LateCollisions: 0
dev.bge.1.stats.tx.UnicastPkts: 0
dev.bge.1.stats.tx.MulticastPkts: 0
dev.bge.1.stats.tx.BroadcastPkts: 0
dev.bge.2.%desc: 1000BASE-T_Adapter(4ch), ASIC rev. 0x5719001
dev.bge.2.%driver: bge
dev.bge.2.%location: slot=0 function=2
dev.bge.2.%npninfo: vendor=0x14e4 device=0x1657 subvendor=0x1bcf subdevice=0x8064 class=0x020000
dev.bge.2.%parent: pci48
dev.bge.2.forced_collapse: 0
dev.bge.2.msi: 1
dev.bge.2.forced_udpcsum: 0
dev.bge.2.stats.FramesDroppedDueToFilters: 0
dev.bge.2.stats.DmaWriteQueueFull: 0
dev.bge.2.stats.DmaWriteHighPriQueueFull: 0
dev.bge.2.stats.NoMoreRxBDs: 0
dev.bge.2.stats.InputDiscards: 0
dev.bge.2.stats.InputErrors: 0
dev.bge.2.stats.RecvThresholdHit: 0
dev.bge.2.stats.rx.ifHCInOctets: 0
dev.bge.2.stats.rx.Fragments: 0
dev.bge.2.stats.rx.UnicastPkts: 0
dev.bge.2.stats.rx.MulticastPkts: 0
dev.bge.2.stats.rx.BroadcastPkts: 0
dev.bge.2.stats.rx.FCSerrors: 0
dev.bge.2.stats.rx.AlignmentErrors: 0
dev.bge.2.stats.rx.xonPauseFramesReceived: 0
dev.bge.2.stats.rx.xoffPauseFramesReceived: 0
dev.bge.2.stats.rx.ControlFramesReceived: 0
dev.bge.2.stats.rx.xoffStateEntered: 0
dev.bge.2.stats.rx.FramesTooLong: 0
dev.bge.2.stats.rx.Jabbers: 0
dev.bge.2.stats.rx.UndersizePkts: 0
dev.bge.2.stats.tx.ifHCOutOctets: 0
dev.bge.2.stats.tx.Collisions: 0
dev.bge.2.stats.tx.XonSent: 0
dev.bge.2.stats.tx.XoffSent: 0
dev.bge.2.stats.tx.InternalMacTransmitErrors: 0
dev.bge.2.stats.tx.SingleCollisionFrames: 0
dev.bge.2.stats.tx.MultipleCollisionFrames: 0
dev.bge.2.stats.tx.DeferredTransmissions: 0
dev.bge.2.stats.tx.ExcessiveCollisions: 0
dev.bge.2.stats.tx.LateCollisions: 0
dev.bge.2.stats.tx.UnicastPkts: 0
dev.bge.2.stats.tx.MulticastPkts: 0
dev.bge.2.stats.tx.BroadcastPkts: 0
dev.bge.3.%desc: 1000BASE-T_Adapter(4ch), ASIC rev. 0x5719001
dev.bge.3.%driver: bge
dev.bge.3.%location: slot=0 function=3
dev.bge.3.%npninfo: vendor=0x14e4 device=0x1657 subvendor=0x1bcf subdevice=0x8064 class=0x020000
dev.bge.3.%parent: pci48

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dev.bge.3.forced_collapse: 0
dev.bge.3.msi: 1
dev.bge.3.forced_udpcsum: 0
dev.bge.3.stats.FramesDroppedDueToFilters: 0
dev.bge.3.stats.DmaWriteQueueFull: 0
dev.bge.3.stats.DmaWriteHighPriQueueFull: 0
dev.bge.3.stats.NoMoreRxBDs: 0
dev.bge.3.stats.InputDiscards: 0
dev.bge.3.stats.InputErrors: 0
dev.bge.3.stats.RecvThresholdHit: 0
dev.bge.3.stats.rx.ifHCInOctets: 0
dev.bge.3.stats.rx.Fragments: 0
dev.bge.3.stats.rx.UnicastPkts: 0
dev.bge.3.stats.rx.MulticastPkts: 0
dev.bge.3.stats.rx.BroadcastPkts: 0
dev.bge.3.stats.rx.FCSerrors: 0
dev.bge.3.stats.rx.AlignmentErrors: 0
dev.bge.3.stats.rx.xonPauseFramesReceived: 0
dev.bge.3.stats.rx.xoffPauseFramesReceived: 0
dev.bge.3.stats.rx.ControlFramesReceived: 0
dev.bge.3.stats.rx.xoffStateEntered: 0
dev.bge.3.stats.rx.FramesTooLong: 0
dev.bge.3.stats.rx.Jabbers: 0
dev.bge.3.stats.rx.UndersizePkts: 0
dev.bge.3.stats.tx.ifHCOutOctets: 0
dev.bge.3.stats.tx.Collisions: 0
dev.bge.3.stats.tx.XonSent: 0
dev.bge.3.stats.tx.XoffSent: 0
dev.bge.3.stats.tx.InternalMacTransmitErrors: 0
dev.bge.3.stats.tx.SingleCollisionFrames: 0
dev.bge.3.stats.tx.MultipleCollisionFrames: 0
dev.bge.3.stats.tx.DeferredTransmissions: 0
dev.bge.3.stats.tx.ExcessiveCollisions: 0
dev.bge.3.stats.tx.LateCollisions: 0
dev.bge.3.stats.tx.UnicastPkts: 0
dev.bge.3.stats.tx.MulticastPkts: 0
dev.bge.3.stats.tx.BroadcastPkts: 0
dev.bge.4.%desc: 1000BASE-T_Adapter(4ch), ASIC rev. 0x5719001
dev.bge.4.%driver: bge
dev.bge.4.%location: slot=0 function=0 handle=_SB_.PCI0.RP01.PXSX
dev.bge.4.%pnpinfo: vendor=0x14e4 device=0x1657 subvendor=0x1bcf subdevice=0x8064 class=0x020000
dev.bge.4.%parent: pci96
dev.bge.4.forced_collapse: 0
dev.bge.4.msi: 1
dev.bge.4.forced_udpcsum: 0
dev.bge.4.stats.FramesDroppedDueToFilters: 0
dev.bge.4.stats.DmaWriteQueueFull: 0
dev.bge.4.stats.DmaWriteHighPriQueueFull: 0
dev.bge.4.stats.NoMoreRxBDs: 0
dev.bge.4.stats.InputDiscards: 0
dev.bge.4.stats.InputErrors: 0
dev.bge.4.stats.RecvThresholdHit: 0
dev.bge.4.stats.rx.ifHCInOctets: 0
dev.bge.4.stats.rx.Fragments: 0
dev.bge.4.stats.rx.UnicastPkts: 0
dev.bge.4.stats.rx.MulticastPkts: 0
dev.bge.4.stats.rx.BroadcastPkts: 0
dev.bge.4.stats.rx.FCSerrors: 0
dev.bge.4.stats.rx.AlignmentErrors: 0
dev.bge.4.stats.rx.xonPauseFramesReceived: 0
dev.bge.4.stats.rx.xoffPauseFramesReceived: 0
dev.bge.4.stats.rx.ControlFramesReceived: 0
dev.bge.4.stats.rx.xoffStateEntered: 0
dev.bge.4.stats.rx.FramesTooLong: 0
dev.bge.4.stats.rx.Jabbers: 0
dev.bge.4.stats.rx.UndersizePkts: 0
dev.bge.4.stats.tx.ifHCOutOctets: 0
dev.bge.4.stats.tx.Collisions: 0
dev.bge.4.stats.tx.XonSent: 0
dev.bge.4.stats.tx.XoffSent: 0
dev.bge.4.stats.tx.InternalMacTransmitErrors: 0
dev.bge.4.stats.tx.SingleCollisionFrames: 0
dev.bge.4.stats.tx.MultipleCollisionFrames: 0
dev.bge.4.stats.tx.DeferredTransmissions: 0
dev.bge.4.stats.tx.ExcessiveCollisions: 0
dev.bge.4.stats.tx.LateCollisions: 0
dev.bge.4.stats.tx.UnicastPkts: 0
dev.bge.4.stats.tx.MulticastPkts: 0
dev.bge.4.stats.tx.BroadcastPkts: 0
dev.bge.4.wake: 0
dev.bge.5.%desc: 1000BASE-T_Adapter(4ch), ASIC rev. 0x5719001
dev.bge.5.%driver: bge
dev.bge.5.%location: slot=0 function=1
dev.bge.5.%pnpinfo: vendor=0x14e4 device=0x1657 subvendor=0x1bcf subdevice=0x8064 class=0x020000
dev.bge.5.%parent: pci96
dev.bge.5.forced_collapse: 0
dev.bge.5.msi: 1
dev.bge.5.forced_udpcsum: 0
dev.bge.5.stats.FramesDroppedDueToFilters: 0
dev.bge.5.stats.DmaWriteQueueFull: 0
dev.bge.5.stats.DmaWriteHighPriQueueFull: 0

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dev.bge.5.stats.NoMoreRxBDs: 0
dev.bge.5.stats.InputDiscards: 0
dev.bge.5.stats.InputErrors: 0
dev.bge.5.stats.RecvThresholdHit: 0
dev.bge.5.stats.rx.ifHCInOctets: 0
dev.bge.5.stats.rx.Fragments: 0
dev.bge.5.stats.rx.UnicastPkts: 0
dev.bge.5.stats.rx.MulticastPkts: 0
dev.bge.5.stats.rx.BroadcastPkts: 0
dev.bge.5.stats.rx.FCSErrors: 0
dev.bge.5.stats.rx.AlignmentErrors: 0
dev.bge.5.stats.rx.xonPauseFramesReceived: 0
dev.bge.5.stats.rx.xoffPauseFramesReceived: 0
dev.bge.5.stats.rx.ControlFramesReceived: 0
dev.bge.5.stats.rx.xoffStateEntered: 0
dev.bge.5.stats.rx.FramesTooLong: 0
dev.bge.5.stats.rx.Jabbers: 0
dev.bge.5.stats.rx.UndersizePkts: 0
dev.bge.5.stats.tx.ifHCOutOctets: 0
dev.bge.5.stats.tx.Collisions: 0
dev.bge.5.stats.tx.XonSent: 0
dev.bge.5.stats.tx.XoffSent: 0
dev.bge.5.stats.tx.InternalMacTransmitErrors: 0
dev.bge.5.stats.tx.SingleCollisionFrames: 0
dev.bge.5.stats.tx.MultipleCollisionFrames: 0
dev.bge.5.stats.tx.DeferredTransmissions: 0
dev.bge.5.stats.tx.ExcessiveCollisions: 0
dev.bge.5.stats.tx.LateCollisions: 0
dev.bge.5.stats.tx.UnicastPkts: 0
dev.bge.5.stats.tx.MulticastPkts: 0
dev.bge.5.stats.tx.BroadcastPkts: 0
dev.bge.6.%desc: 1000BASE-T_Adapter(4ch), ASIC rev. 0x5719001
dev.bge.6.%driver: bge
dev.bge.6.%location: slot=0 function=2
dev.bge.6.%pnpinfo: vendor=0x14e4 device=0x1657 subvendor=0x1bcf subdevice=0x8064 class=0x020000
dev.bge.6.%parent: pci96
dev.bge.6.forced_collapse: 0
dev.bge.6.msi: 1
dev.bge.6.forced_udpcsum: 0
dev.bge.6.stats.FramesDroppedDueToFilters: 0
dev.bge.6.stats.DmaWriteQueueFull: 0
dev.bge.6.stats.DmaWriteHighPriQueueFull: 0
dev.bge.6.stats.NoMoreRxBDs: 0
dev.bge.6.stats.InputDiscards: 0
dev.bge.6.stats.InputErrors: 0
dev.bge.6.stats.RecvThresholdHit: 0
dev.bge.6.stats.rx.ifHCInOctets: 0
dev.bge.6.stats.rx.Fragments: 0
dev.bge.6.stats.rx.UnicastPkts: 0
dev.bge.6.stats.rx.MulticastPkts: 0
dev.bge.6.stats.rx.BroadcastPkts: 0
dev.bge.6.stats.rx.FCSErrors: 0
dev.bge.6.stats.rx.AlignmentErrors: 0
dev.bge.6.stats.rx.xonPauseFramesReceived: 0
dev.bge.6.stats.rx.xoffPauseFramesReceived: 0
dev.bge.6.stats.rx.ControlFramesReceived: 0
dev.bge.6.stats.rx.xoffStateEntered: 0
dev.bge.6.stats.rx.FramesTooLong: 0
dev.bge.6.stats.rx.Jabbers: 0
dev.bge.6.stats.rx.UndersizePkts: 0
dev.bge.6.stats.tx.ifHCOutOctets: 0
dev.bge.6.stats.tx.Collisions: 0
dev.bge.6.stats.tx.XonSent: 0
dev.bge.6.stats.tx.XoffSent: 0
dev.bge.6.stats.tx.InternalMacTransmitErrors: 0
dev.bge.6.stats.tx.SingleCollisionFrames: 0
dev.bge.6.stats.tx.MultipleCollisionFrames: 0
dev.bge.6.stats.tx.DeferredTransmissions: 0
dev.bge.6.stats.tx.ExcessiveCollisions: 0
dev.bge.6.stats.tx.LateCollisions: 0
dev.bge.6.stats.tx.UnicastPkts: 0
dev.bge.6.stats.tx.MulticastPkts: 0
dev.bge.6.stats.tx.BroadcastPkts: 0
dev.bge.7.%desc: 1000BASE-T_Adapter(4ch), ASIC rev. 0x5719001
dev.bge.7.%driver: bge
dev.bge.7.%location: slot=0 function=3
dev.bge.7.%pnpinfo: vendor=0x14e4 device=0x1657 subvendor=0x1bcf subdevice=0x8064 class=0x020000
dev.bge.7.%parent: pci96
dev.bge.7.forced_collapse: 0
dev.bge.7.msi: 1
dev.bge.7.forced_udpcsum: 0
dev.bge.7.stats.FramesDroppedDueToFilters: 0
dev.bge.7.stats.DmaWriteQueueFull: 0
dev.bge.7.stats.DmaWriteHighPriQueueFull: 0
dev.bge.7.stats.NoMoreRxBDs: 0
dev.bge.7.stats.InputDiscards: 0
dev.bge.7.stats.InputErrors: 0
dev.bge.7.stats.RecvThresholdHit: 0
dev.bge.7.stats.rx.ifHCInOctets: 0
dev.bge.7.stats.rx.Fragments: 0
dev.bge.7.stats.rx.UnicastPkts: 0

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dev.bge.7.stats.rx.MulticastPkts: 0
dev.bge.7.stats.rx.BroadcastPkts: 0
dev.bge.7.stats.rx.FCSErrors: 0
dev.bge.7.stats.rx.AlignmentErrors: 0
dev.bge.7.stats.rx.xonPauseFramesReceived: 0
dev.bge.7.stats.rx.xoffPauseFramesReceived: 0
dev.bge.7.stats.rx.ControlFramesReceived: 0
dev.bge.7.stats.rx.xoffStateEntered: 0
dev.bge.7.stats.rx.FramesTooLong: 0
dev.bge.7.stats.rx.Jabbers: 0
dev.bge.7.stats.rx.UndersizePkts: 0
dev.bge.7.stats.tx.ifHCOutOctets: 0
dev.bge.7.stats.tx.Collisions: 0
dev.bge.7.stats.tx.XonSent: 0
dev.bge.7.stats.tx.XoffSent: 0
dev.bge.7.stats.tx.InternalMacTransmitErrors: 0
dev.bge.7.stats.tx.SingleCollisionFrames: 0
dev.bge.7.stats.tx.MultipleCollisionFrames: 0
dev.bge.7.stats.tx.DeferredTransmissions: 0
dev.bge.7.stats.tx.ExcessiveCollisions: 0
dev.bge.7.stats.tx.LateCollisions: 0
dev.bge.7.stats.tx.UnicastPkts: 0
dev.bge.7.stats.tx.MulticastPkts: 0
dev.bge.7.stats.tx.BroadcastPkts: 0
dev.bge.8.%desc: Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5720000
dev.bge.8.%driver: bge
dev.bge.8.%location: slot=0 function=0 handle=_SB_.PCI0.RP04.LAN1
dev.bge.8.%pnpinfo: vendor=0x14e4 device=0x165f subvendor=0x1bcf subdevice=0x8069 class=0x020000
dev.bge.8.%parent: pci143
dev.bge.8.forced_collapse: 0
dev.bge.8.msi: 1
dev.bge.8.forced_udpcsum: 0
dev.bge.8.stats.FramesDroppedDueToFilters: 0
dev.bge.8.stats.DmaWriteQueueFull: 0
dev.bge.8.stats.DmaWriteHighPriQueueFull: 0
dev.bge.8.stats.NoMoreRxBDs: 0
dev.bge.8.stats.InputDiscards: 0
dev.bge.8.stats.InputErrors: 0
dev.bge.8.stats.RecvThresholdHit: 0
dev.bge.8.stats.rx.ifHCInOctets: 0
dev.bge.8.stats.rx.Fragments: 0
dev.bge.8.stats.rx.UnicastPkts: 0
dev.bge.8.stats.rx.MulticastPkts: 0
dev.bge.8.stats.rx.BroadcastPkts: 0
dev.bge.8.stats.rx.FCSErrors: 0
dev.bge.8.stats.rx.AlignmentErrors: 0
dev.bge.8.stats.rx.xonPauseFramesReceived: 0
dev.bge.8.stats.rx.xoffPauseFramesReceived: 0
dev.bge.8.stats.rx.ControlFramesReceived: 0
dev.bge.8.stats.rx.xoffStateEntered: 0
dev.bge.8.stats.rx.FramesTooLong: 0
dev.bge.8.stats.rx.Jabbers: 0
dev.bge.8.stats.rx.UndersizePkts: 0
dev.bge.8.stats.tx.ifHCOutOctets: 0
dev.bge.8.stats.tx.Collisions: 0
dev.bge.8.stats.tx.XonSent: 0
dev.bge.8.stats.tx.XoffSent: 0
dev.bge.8.stats.tx.InternalMacTransmitErrors: 0
dev.bge.8.stats.tx.SingleCollisionFrames: 0
dev.bge.8.stats.tx.MultipleCollisionFrames: 0
dev.bge.8.stats.tx.DeferredTransmissions: 0
dev.bge.8.stats.tx.ExcessiveCollisions: 0
dev.bge.8.stats.tx.LateCollisions: 0
dev.bge.8.stats.tx.UnicastPkts: 0
dev.bge.8.stats.tx.MulticastPkts: 0
dev.bge.8.stats.tx.BroadcastPkts: 0
dev.bge.9.%desc: Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5720000
dev.bge.9.%driver: bge
dev.bge.9.%location: slot=0 function=1 handle=_SB_.PCI0.RP04.LAN2
dev.bge.9.%pnpinfo: vendor=0x14e4 device=0x165f subvendor=0x1bcf subdevice=0x8069 class=0x020000
dev.bge.9.%parent: pci143
dev.bge.9.forced_collapse: 0
dev.bge.9.msi: 1
dev.bge.9.forced_udpcsum: 0
dev.bge.9.stats.FramesDroppedDueToFilters: 0
dev.bge.9.stats.DmaWriteQueueFull: 0
dev.bge.9.stats.DmaWriteHighPriQueueFull: 0
dev.bge.9.stats.NoMoreRxBDs: 0
dev.bge.9.stats.InputDiscards: 0
dev.bge.9.stats.InputErrors: 0
dev.bge.9.stats.RecvThresholdHit: 0
dev.bge.9.stats.rx.ifHCInOctets: 0
dev.bge.9.stats.rx.Fragments: 0
dev.bge.9.stats.rx.UnicastPkts: 0
dev.bge.9.stats.rx.MulticastPkts: 0
dev.bge.9.stats.rx.BroadcastPkts: 0
dev.bge.9.stats.rx.FCSErrors: 0
dev.bge.9.stats.rx.AlignmentErrors: 0
dev.bge.9.stats.rx.xonPauseFramesReceived: 0
dev.bge.9.stats.rx.xoffPauseFramesReceived: 0
dev.bge.9.stats.rx.ControlFramesReceived: 0
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dev.bge.9.stats.rx.xoffStateEntered: 0
dev.bge.9.stats.rx.FramesTooLong: 0
dev.bge.9.stats.rx.Jabbers: 0
dev.bge.9.stats.rx.UndersizePkts: 0
dev.bge.9.stats.tx.ifHCOutOctets: 0
dev.bge.9.stats.tx.Collisions: 0
dev.bge.9.stats.tx.XonSent: 0
dev.bge.9.stats.tx.XoffSent: 0
dev.bge.9.stats.tx.InternalMacTransmitErrors: 0
dev.bge.9.stats.tx.SingleCollisionFrames: 0
dev.bge.9.stats.tx.MultipleCollisionFrames: 0
dev.bge.9.stats.tx.DeferredTransmissions: 0
dev.bge.9.stats.tx.ExcessiveCollisions: 0
dev.bge.9.stats.tx.LateCollisions: 0
dev.bge.9.stats.tx.UnicastPkts: 0
dev.bge.9.stats.tx.MulticastPkts: 0
dev.bge.9.stats.tx.BroadcastPkts: 0
dev.miibus.%parent:
dev.miibus.0.%desc: MII bus
dev.miibus.0.%driver: miibus
dev.miibus.0.%location:
dev.miibus.0.%pnpinfo:
dev.miibus.0.%parent: bge0
dev.miibus.1.%desc: MII bus
dev.miibus.1.%driver: miibus
dev.miibus.1.%location:
dev.miibus.1.%pnpinfo:
dev.miibus.1.%parent: bge1
dev.miibus.2.%desc: MII bus
dev.miibus.2.%driver: miibus
dev.miibus.2.%location:
dev.miibus.2.%pnpinfo:
dev.miibus.2.%parent: bge2
dev.miibus.3.%desc: MII bus
dev.miibus.3.%driver: miibus
dev.miibus.3.%location:
dev.miibus.3.%pnpinfo:
dev.miibus.3.%parent: bge3
dev.miibus.4.%desc: MII bus
dev.miibus.4.%driver: miibus
dev.miibus.4.%location:
dev.miibus.4.%pnpinfo:
dev.miibus.4.%parent: bge4
dev.miibus.5.%desc: MII bus
dev.miibus.5.%driver: miibus
dev.miibus.5.%location:
dev.miibus.5.%pnpinfo:
dev.miibus.5.%parent: bge5
dev.miibus.6.%desc: MII bus
dev.miibus.6.%driver: miibus
dev.miibus.6.%location:
dev.miibus.6.%pnpinfo:
dev.miibus.6.%parent: bge6
dev.miibus.7.%desc: MII bus
dev.miibus.7.%driver: miibus
dev.miibus.7.%location:
dev.miibus.7.%pnpinfo:
dev.miibus.7.%parent: bge7
dev.miibus.8.%desc: MII bus
dev.miibus.8.%driver: miibus
dev.miibus.8.%location:
dev.miibus.8.%pnpinfo:
dev.miibus.8.%parent: bge8
dev.miibus.9.%desc: MII bus
dev.miibus.9.%driver: miibus
dev.miibus.9.%location:
dev.miibus.9.%pnpinfo:
dev.miibus.9.%parent: bge9
dev.brgphy.%parent:
dev.brgphy.0.%desc: BCM5719C 1000BASE-T media interface
dev.brgphy.0.%driver: brgphy
dev.brgphy.0.%location: phyno=1
dev.brgphy.0.%pnpinfo: oui=0x1be9 model=0x22 rev=0x0
dev.brgphy.0.%parent: miibus0
dev.brgphy.1.%desc: BCM5719C 1000BASE-T media interface
dev.brgphy.1.%driver: brgphy
dev.brgphy.1.%location: phyno=2
dev.brgphy.1.%pnpinfo: oui=0x1be9 model=0x22 rev=0x0
dev.brgphy.1.%parent: miibus1
dev.brgphy.2.%desc: BCM5719C 1000BASE-T media interface
dev.brgphy.2.%driver: brgphy
dev.brgphy.2.%location: phyno=3
dev.brgphy.2.%pnpinfo: oui=0x1be9 model=0x22 rev=0x0
dev.brgphy.2.%parent: miibus2
dev.brgphy.3.%desc: BCM5719C 1000BASE-T media interface
dev.brgphy.3.%driver: brgphy
dev.brgphy.3.%location: phyno=4
dev.brgphy.3.%pnpinfo: oui=0x1be9 model=0x22 rev=0x0
dev.brgphy.3.%parent: miibus3
dev.brgphy.4.%desc: BCM5719C 1000BASE-T media interface
dev.brgphy.4.%driver: brgphy

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dev.brgphy.4.%location: phyno=1
dev.brgphy.4.%pnpinfo: oui=0x1be9 model=0x22 rev=0x0
dev.brgphy.4.%parent: miibus4
dev.brgphy.5.%desc: BCM5719C 1000BASE-T media interface
dev.brgphy.5.%driver: brgphy
dev.brgphy.5.%location: phyno=2
dev.brgphy.5.%pnpinfo: oui=0x1be9 model=0x22 rev=0x0
dev.brgphy.5.%parent: miibus5
dev.brgphy.6.%desc: BCM5719C 1000BASE-T media interface
dev.brgphy.6.%driver: brgphy
dev.brgphy.6.%location: phyno=3
dev.brgphy.6.%pnpinfo: oui=0x1be9 model=0x22 rev=0x0
dev.brgphy.6.%parent: miibus6
dev.brgphy.7.%desc: BCM5719C 1000BASE-T media interface
dev.brgphy.7.%driver: brgphy
dev.brgphy.7.%location: phyno=4
dev.brgphy.7.%pnpinfo: oui=0x1be9 model=0x22 rev=0x0
dev.brgphy.7.%parent: miibus7
dev.brgphy.8.%desc: BCM5720C 1000BASE-T media interface
dev.brgphy.8.%driver: brgphy
dev.brgphy.8.%location: phyno=1
dev.brgphy.8.%pnpinfo: oui=0x1be9 model=0x36 rev=0x0
dev.brgphy.8.%parent: miibus8
dev.brgphy.9.%desc: BCM5720C 1000BASE-T media interface
dev.brgphy.9.%driver: brgphy
dev.brgphy.9.%location: phyno=2
dev.brgphy.9.%pnpinfo: oui=0x1be9 model=0x36 rev=0x0
dev.brgphy.9.%parent: miibus9
dev.vgapci.%parent:
dev.vgapci.0.%desc: VGA-compatible display
dev.vgapci.0.%driver: vgapci
dev.vgapci.0.%location: slot=0 function=0 handle=\_SB_.PCI0.RP20.PXSX
dev.vgapci.0.%pnpinfo: vendor=0x102b device=0x0522 subvendor=0x1bcf subdevice=0x8069 class=0x030000
dev.vgapci.0.%parent: pci95
dev.vgapci.0.wake: 0
dev.mrsas.%parent:
dev.mrsas.0.%desc: LSI Invader SAS Controller
dev.mrsas.0.%driver: mrsas
dev.mrsas.0.%location: slot=0 function=0 handle=\_SB_.PCI0.RP05.PXSX
dev.mrsas.0.%pnpinfo: vendor=0x1000 device=0x005d subvendor=0x1000 subdevice=0x9364 class=0x010400
dev.mrsas.0.%parent: pci144
dev.mrsas.0.disable_ocr: 0
dev.mrsas.0.driver_version: 06.704.01.01-fbsd
dev.mrsas.0.reset_count: 0
dev.mrsas.0.fw_outstanding: 0
dev.mrsas.0.io_cmds_highwater: 895
dev.mrsas.0.mrsas_debug: 4
dev.mrsas.0.mrsas_io_timeout: 180000
dev.mrsas.0.mrsas_fw_fault_check_delay: 1
dev.mrsas.0.reset_in_progress: 0
dev.mrsas.0.wake: 0
dev.isab.%parent:
dev.isab.0.%desc: PCI-ISA bridge
dev.isab.0.%driver: isab
dev.isab.0.%location: slot=31 function=0 handle=\_SB_.PCI0.LPCB
dev.isab.0.%pnpinfo: vendor=0x8086 device=0xa149 subvendor=0x1bcf subdevice=0x8069 class=0x060100
dev.isab.0.%parent: pci0
dev.isa.%parent:
dev.isa.0.%desc: ISA bus
dev.isa.0.%driver: isa
dev.isa.0.%location:
dev.isa.0.%pnpinfo:
dev.isa.0.%parent: isab0
dev.acpi_button.%parent:
dev.acpi_button.0.%desc: Sleep Button
dev.acpi_button.0.%driver: acpi_button
dev.acpi_button.0.%location: handle=\_SB_.SLPB
dev.acpi_button.0.%pnpinfo: _HID=PNP0C0E _UID=0
dev.acpi_button.0.%parent: acpi0
dev.acpi_button.1.%desc: Power Button
dev.acpi_button.1.%driver: acpi_button
dev.acpi_button.1.%location: handle=\_SB_.PWRB
dev.acpi_button.1.%pnpinfo: _HID=PNP0C0C _UID=0
dev.acpi_button.1.%parent: acpi0
dev.atkbd.%parent:
dev.atkbd.0.%desc: Keyboard controller (i8042)
dev.atkbd.0.%driver: atkbd
dev.atkbd.0.%location: handle=\_SB_.PCI0.LPCB.PS2K
dev.atkbd.0.%pnpinfo: _HID=MSFT0001 _UID=0
dev.atkbd.0.%parent: acpi0
dev.atkbd.%parent:
dev.atkbd.0.%desc: AT Keyboard
dev.atkbd.0.%driver: atkbd
dev.atkbd.0.%location:
dev.atkbd.0.%pnpinfo:
dev.atkbd.0.%parent: atkbd0
dev.psmcnpn.%parent:
dev.psmcnpn.0.%desc: PS/2 mouse port
dev.psmcnpn.0.%driver: psmcnpn
dev.psmcnpn.0.%location: handle=\_SB_.PCI0.LPCB.PS2M
dev.psmcnpn.0.%pnpinfo: _HID=MSFT0003 _UID=0

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dev.psmcnp.0.%parent: acpi0
dev.uart.%parent:
dev.uart.0.%desc: 16550 or compatible
dev.uart.0.%driver: uart
dev.uart.0.%location: handle=\_SB_.PCI0.LPCB.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.LPCB.UAR2
dev.uart.1.%npninfo: _HID=PNP0501 _UID=1
dev.uart.1.%parent: acpi0
dev.f pupnp.%parent:
dev.f pupnp.0.%desc: Legacy ISA coprocessor support
dev.f pupnp.0.%driver: fpupnp
dev.f pupnp.0.%location: handle=\_SB_.PCI0.LPCB.MATH
dev.f pupnp.0.%npninfo: _HID=PNP0C04 _UID=0
dev.f pupnp.0.%parent: acpi0
dev.apic.%parent:
dev.apic.0.%desc: APIC resources
dev.apic.0.%driver: apic
dev.apic.0.%location:
dev.apic.0.%npninfo:
dev.apic.0.%parent: nexus0
dev.orm.%parent:
dev.orm.0.%desc: ISA Option ROM
dev.orm.0.%driver: orm
dev.orm.0.%location:
dev.orm.0.%npninfo:
dev.orm.0.%parent: isa0
dev.sc.%parent:
dev.sc.0.%desc: System console
dev.sc.0.%driver: sc
dev.sc.0.%location:
dev.sc.0.%npninfo:
dev.sc.0.%parent: isa0
dev.vga.%parent:
dev.vga.0.%desc: Generic ISA VGA
dev.vga.0.%driver: vga
dev.vga.0.%location:
dev.vga.0.%npninfo:
dev.vga.0.%parent: isa0
dev.acpi_perf.%parent:
dev.acpi_perf.0.%desc:
dev.acpi_perf.0.%driver: acpi_perf
dev.acpi_perf.0.%location:
dev.acpi_perf.0.%npninfo:
dev.acpi_perf.0.%parent: cpu0
dev.acpi_perf.1.%desc:
dev.acpi_perf.1.%driver: acpi_perf
dev.acpi_perf.1.%location:
dev.acpi_perf.1.%npninfo:
dev.acpi_perf.1.%parent: cpu1
dev.acpi_perf.2.%desc:
dev.acpi_perf.2.%driver: acpi_perf
dev.acpi_perf.2.%location:
dev.acpi_perf.2.%npninfo:
dev.acpi_perf.2.%parent: cpu2
dev.acpi_perf.3.%desc:
dev.acpi_perf.3.%driver: acpi_perf
dev.acpi_perf.3.%location:
dev.acpi_perf.3.%npninfo:
dev.acpi_perf.3.%parent: cpu3
dev.acpi_perf.4.%desc:
dev.acpi_perf.4.%driver: acpi_perf
dev.acpi_perf.4.%location:
dev.acpi_perf.4.%npninfo:
dev.acpi_perf.4.%parent: cpu4
dev.acpi_perf.5.%desc:
dev.acpi_perf.5.%driver: acpi_perf
dev.acpi_perf.5.%location:
dev.acpi_perf.5.%npninfo:
dev.acpi_perf.5.%parent: cpu5
dev.acpi_perf.6.%desc:
dev.acpi_perf.6.%driver: acpi_perf
dev.acpi_perf.6.%location:
dev.acpi_perf.6.%npninfo:
dev.acpi_perf.6.%parent: cpu6
dev.acpi_perf.7.%desc:
dev.acpi_perf.7.%driver: acpi_perf
dev.acpi_perf.7.%location:
dev.acpi_perf.7.%npninfo:
dev.acpi_perf.7.%parent: cpu7
dev.est.%parent:
dev.est.0.%desc: Enhanced SpeedStep Frequency Control
dev.est.0.%driver: est
dev.est.0.%location:
dev.est.0.%npninfo:
dev.est.0.%parent: cpu0
dev.est.0.%freq_settings: 3401/80000 3400/80000 3200/73495 3000/67226 2800/61202 2700/58269 2500/52572 2300/47109 2100/41853 1900/36813
1700/32645 1500/28007 1400/25765 1200/21437 1000/17302 800/13362

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dev.est.1.%desc: Enhanced SpeedStep Frequency Control
dev.est.1.%driver: est
dev.est.1.%location:
dev.est.1.%npninfo:
dev.est.1.%parent: cpu1
dev.est.1.freq_settings: 3401/80000 3400/80000 3200/73495 3000/67226 2800/61202 2700/58269 2500/52572 2300/47109 2100/41853 1900/36813
1700/32645 1500/28007 1400/25765 1200/21437 1000/17302 800/13362
dev.est.2.%desc: Enhanced SpeedStep Frequency Control
dev.est.2.%driver: est
dev.est.2.%location:
dev.est.2.%npninfo:
dev.est.2.%parent: cpu2
dev.est.2.freq_settings: 3401/80000 3400/80000 3200/73495 3000/67226 2800/61202 2700/58269 2500/52572 2300/47109 2100/41853 1900/36813
1700/32645 1500/28007 1400/25765 1200/21437 1000/17302 800/13362
dev.est.3.%desc: Enhanced SpeedStep Frequency Control
dev.est.3.%driver: est
dev.est.3.%location:
dev.est.3.%npninfo:
dev.est.3.%parent: cpu3
dev.est.3.freq_settings: 3401/80000 3400/80000 3200/73495 3000/67226 2800/61202 2700/58269 2500/52572 2300/47109 2100/41853 1900/36813
1700/32645 1500/28007 1400/25765 1200/21437 1000/17302 800/13362
dev.est.4.%desc: Enhanced SpeedStep Frequency Control
dev.est.4.%driver: est
dev.est.4.%location:
dev.est.4.%npninfo:
dev.est.4.%parent: cpu4
dev.est.4.freq_settings: 3401/80000 3400/80000 3200/73495 3000/67226 2800/61202 2700/58269 2500/52572 2300/47109 2100/41853 1900/36813
1700/32645 1500/28007 1400/25765 1200/21437 1000/17302 800/13362
dev.est.5.%desc: Enhanced SpeedStep Frequency Control
dev.est.5.%driver: est
dev.est.5.%location:
dev.est.5.%npninfo:
dev.est.5.%parent: cpu5
dev.est.5.freq_settings: 3401/80000 3400/80000 3200/73495 3000/67226 2800/61202 2700/58269 2500/52572 2300/47109 2100/41853 1900/36813
1700/32645 1500/28007 1400/25765 1200/21437 1000/17302 800/13362
dev.est.6.%desc: Enhanced SpeedStep Frequency Control
dev.est.6.%driver: est
dev.est.6.%location:
dev.est.6.%npninfo:
dev.est.6.%parent: cpu6
dev.est.6.freq_settings: 3401/80000 3400/80000 3200/73495 3000/67226 2800/61202 2700/58269 2500/52572 2300/47109 2100/41853 1900/36813
1700/32645 1500/28007 1400/25765 1200/21437 1000/17302 800/13362
dev.est.7.%desc: Enhanced SpeedStep Frequency Control
dev.est.7.%driver: est
dev.est.7.%location:
dev.est.7.%npninfo:
dev.est.7.%parent: cpu7
dev.est.7.freq_settings: 3401/80000 3400/80000 3200/73495 3000/67226 2800/61202 2700/58269 2500/52572 2300/47109 2100/41853 1900/36813
1700/32645 1500/28007 1400/25765 1200/21437 1000/17302 800/13362
dev.cpufreq.%parent:
dev.cpufreq.0.%desc:
dev.cpufreq.0.%driver: cpufreq
dev.cpufreq.0.%location:
dev.cpufreq.0.%npninfo:
dev.cpufreq.0.%parent: cpu0
dev.cpufreq.1.%desc:
dev.cpufreq.1.%driver: cpufreq
dev.cpufreq.1.%location:
dev.cpufreq.1.%npninfo:
dev.cpufreq.1.%parent: cpu1
dev.cpufreq.2.%desc:
dev.cpufreq.2.%driver: cpufreq
dev.cpufreq.2.%location:
dev.cpufreq.2.%npninfo:
dev.cpufreq.2.%parent: cpu2
dev.cpufreq.3.%desc:
dev.cpufreq.3.%driver: cpufreq
dev.cpufreq.3.%location:
dev.cpufreq.3.%npninfo:
dev.cpufreq.3.%parent: cpu3
dev.cpufreq.4.%desc:
dev.cpufreq.4.%driver: cpufreq
dev.cpufreq.4.%location:
dev.cpufreq.4.%npninfo:
dev.cpufreq.4.%parent: cpu4
dev.cpufreq.5.%desc:
dev.cpufreq.5.%driver: cpufreq
dev.cpufreq.5.%location:
dev.cpufreq.5.%npninfo:
dev.cpufreq.5.%parent: cpu5
dev.cpufreq.6.%desc:
dev.cpufreq.6.%driver: cpufreq
dev.cpufreq.6.%location:
dev.cpufreq.6.%npninfo:
dev.cpufreq.6.%parent: cpu6
dev.cpufreq.7.%desc:
dev.cpufreq.7.%driver: cpufreq
dev.cpufreq.7.%location:
dev.cpufreq.7.%npninfo:
dev.cpufreq.7.%parent: cpu7
dev.p4tcc.%parent:

```



```

dev.p4tcc.0.%desc: CPU Frequency Thermal Control
dev.p4tcc.0.%driver: p4tcc
dev.p4tcc.0.%location:
dev.p4tcc.0.%pnpinfo:
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.%location:
dev.p4tcc.1.%pnpinfo:
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.%location:
dev.p4tcc.2.%pnpinfo:
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.%location:
dev.p4tcc.3.%pnpinfo:
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.%location:
dev.p4tcc.4.%pnpinfo:
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.%location:
dev.p4tcc.5.%pnpinfo:
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.%location:
dev.p4tcc.6.%pnpinfo:
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.%location:
dev.p4tcc.7.%pnpinfo:
dev.p4tcc.7.%parent: cpu7
dev.p4tcc.7.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.uhub.%parent:
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.%location:
dev.uhub.0.%pnpinfo:
dev.uhub.0.%parent: usb0
dev.uhub.1.%desc: vendor=0x0409 product=0x005a, class 9/0, rev 2.00/1.00, addr 1
dev.uhub.1.%driver: uhub
dev.uhub.1.%location: bus=0 hubaddr=1 port=4 devaddr=2 interface=0
dev.uhub.1.%pnpinfo: vendor=0x0409 product=0x005a devclass=0x09 devsubclass=0x00 sernum="" release=0x0100 mode=host intclass=0x09
intsubclass=0x00 intprotocol=0x00
dev.uhub.1.%parent: uhub0
dev.ukbd.%parent:
dev.ukbd.0.%desc: Topre Corporation HHKB Professional, class 0/0, rev 1.10/1.02, addr 2
dev.ukbd.0.%driver: ukbd
dev.ukbd.0.%location: bus=0 hubaddr=2 port=1 devaddr=3 interface=0
dev.ukbd.0.%pnpinfo: vendor=0x0853 product=0x0100 devclass=0x00 devsubclass=0x00 sernum="" release=0x0102 mode=host intclass=0x03
intsubclass=0x01 intprotocol=0x01
dev.ukbd.0.%parent: uhub1
dev.ukbd.1.%desc: Keyboard Interface
dev.ukbd.1.%driver: ukbd
dev.ukbd.1.%location: bus=0 hubaddr=1 port=10 devaddr=4 interface=0
dev.ukbd.1.%pnpinfo: vendor=0x046b product=0xff10 devclass=0x00 devsubclass=0x00 sernum="" release=0x0100 mode=host intclass=0x03
intsubclass=0x01 intprotocol=0x01
dev.ukbd.1.%parent: uhub0
dev.ums.%parent:
dev.ums.0.%desc: Mouse Interface
dev.ums.0.%driver: ums
dev.ums.0.%location: bus=0 hubaddr=1 port=10 devaddr=4 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: uhub0
dev.ums.0.parseinfo: i1: Z:r0, p40, s8; B1:r0, p0, s1; B2:r0, p1, s1; B3:r0, p2, s1;
dev.umass.%parent:
hptmv.status: RocketRAID 18xx SATA Controller driver Version v1.16

```

# システム起動時メッセージ

```
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FreeBSD 10.1-RELEASE #0 r274401: Tue Nov 11 21:02:49 UTC 2014
    root@releng1.nyi.freebsd.org:/usr/obj/usr/src/sys/GENERIC amd64
FreeBSD clang version 3.4.1 (tags/RELEASE_34/dot1-final 208032) 20140512
CPU: Intel(R) Xeon(R) CPU E3-1230 v5 @ 3.40GHz (3408.11-MHz K8-class CPU)
    Origin = "GenuineIntel" Id = 0x506e3 Family = 0x6 Model = 0x5e Stepping = 3

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=0x7ffafbff<SSE3,PCLMULQDQ,DTES64,MON,DS_CPL,VMX,SMX,EST,TM2,SSSE3,
<b11>,FMA,CX16,xTPR,PDCM,PCID,SSE4.1,SSE4.2,x2APIC,MOVBE,POPCNT,TSCDLT,AESNI,XSAVE,OSXSAVE,AVX,F16C,RDRAND>
    AMD Features=0x2c100800<SYSCALL,NX,Page1GB,RDTSCP,LM>
    AMD Features2=0x121<LAHF,ABM,Prefetch>
    Structured Extended Features=0x29c6fbf<FSGSBASE,TSCADJ,BMI1,HLE,AVX2,SMEP,BMI2,ERMS,INVPCID,RTM,MPX,RDSEED,ADX,SMAP,CLFLUSHOPT,PROCTRACE>
    VT-x: PAT,HLT,MTF,PAUSE,EPT,UG,VPIID
    TSC: P-state invariant, performance statistics
real memory = 17179869184 (16384 MB)
avail memory = 16489193472 (15725 MB)
Event timer "LAPIC" quality 600
ACPI APIC Table: <AMI 0707 >
FreeBSD/SMP: Multiprocessor System Detected: 8 CPUs
FreeBSD/SMP: 1 package(s) x 4 core(s) x 2 SMT threads
cpu0 (BSP): APIC ID: 0
cpu1 (AP): APIC ID: 1
cpu2 (AP): APIC ID: 2
cpu3 (AP): APIC ID: 3
cpu4 (AP): APIC ID: 4
cpu5 (AP): APIC ID: 5
cpu6 (AP): APIC ID: 6
cpu7 (AP): APIC ID: 7
ACPI Error: Gpe0Block - 32-bit FADT register is too long (32 bytes, 256 bits) to convert to GAS struct - 255 bits max, truncating
(20130823/tbxfadt-223)
ioapic0 <Version 2.0> irq0-119 on motherboard
kbd1 at kbdmux0
random: <Software, Yarrow> initialized
acpi0: <AMI 0707> 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
hpet0: <High Precision Event Timer> iomem 0xfed00000-0xfed003ff on acpi0
Timecounter "HPET" frequency 24000000 Hz quality 950
Event timer "HPET" frequency 24000000 Hz quality 550
atrtc0: <AT realtime clock> port 0x70-0x77 irq 8 on acpi0
atrtc0: Warning: Couldn't map I/O.
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
Timecounter "ACPI-fast" frequency 3579545 Hz quality 900
acpi_timer0: <24-bit timer at 3.579545MHz> port 0x1808-0x180b on acpi0
pcib0: <ACPI Host-PCI bridge> port 0xcfc8-0xcfff on acpi0
pci0: <ACPI PCI bus> on pcib0
pcib1: <ACPI PCI-PCI bridge> irq 16 at device 1.0 on pci0
pci1: <ACPI PCI bus> on pcib1
xhci0: <XHCI (generic) USB 3.0 controller> mem 0xdf000000-0xdf0fffff irq 16 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)
ahci0: <AHCI SATA controller> port 0xf050-0xf057,0xf040-0xf043,0xf020-0xf03f mem
0xdf010000-0xdf01ffff,0xdf01e000-0xdf01e0ff,0xdf01d000-0xdf01d7ff irq 16 at device 23.0 on pci0
ahci0: AHCI v1.31 with 5 6Gbps ports, Port Multiplier not supported
ahcich0: <AHCI channel> at channel 0 on ahci0
ahcich1: <AHCI channel> at channel 1 on ahci0
ahcich2: <AHCI channel> at channel 2 on ahci0
ahcich3: <AHCI channel> at channel 3 on ahci0
ahcich4: <AHCI channel> at channel 4 on ahci0
ahciem0: <AHCI enclosure management bridge> on ahci0
pcib2: <ACPI PCI-PCI bridge> irq 17 at device 27.0 on pci0
pci48: <ACPI PCI bus> on pcib2
bge0: <1000BASE-T Adapter(4ch), ASIC rev. 0x5719001> mem 0xddfb0000-0xddfbffff,0xddfa0000-0xddfaffff,0xddf90000-0xddf9ffff irq 17 at
device 0.0 on pci48
bge0: CHIP ID 0x05719001; ASIC REV 0x5719; CHIP REV 0x57190; PCI-E
miibus0: <MII bus> on bge0
brgphy0: <BCM5719C 1000BASE-T media interface> PHY 1 on miibus0
brgphy0: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow
bge0: Ethernet address: 8c:df:9d:81:8d:4c
```

bge1: <1000BASE-T\_Adapter(4ch), ASIC rev. 0x5719001> mem 0xddf80000-0xddf8ffff,0xddf70000-0xddf7ffff,0xddf60000-0xddf6ffff irq 18 at device 0.1 on pci48  
bge1: CHIP ID 0x05719001; ASIC REV 0x5719; CHIP REV 0x57190; PCI-E  
miibus1: <MII bus> on bge1  
brgphy1: <BCM5719C 1000BASE-T media interface> PHY 2 on miibus1  
brgphy1: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow  
bge1: Ethernet address: 8c:df:9d:81:8d:4d  
bge2: <1000BASE-T\_Adapter(4ch), ASIC rev. 0x5719001> mem 0xddf50000-0xddf5ffff,0xddf40000-0xddf4ffff,0xddf30000-0xddf3ffff irq 17 at device 0.2 on pci48  
bge2: CHIP ID 0x05719001; ASIC REV 0x5719; CHIP REV 0x57190; PCI-E  
miibus2: <MII bus> on bge2  
brgphy2: <BCM5719C 1000BASE-T media interface> PHY 3 on miibus2  
brgphy2: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow  
bge2: Ethernet address: 8c:df:9d:81:8d:4e  
bge3: <1000BASE-T\_Adapter(4ch), ASIC rev. 0x5719001> mem 0xddf20000-0xddf2ffff,0xddf10000-0xddf1ffff,0xddf00000-0xddf0ffff irq 18 at device 0.3 on pci48  
bge3: CHIP ID 0x05719001; ASIC REV 0x5719; CHIP REV 0x57190; PCI-E  
miibus3: <MII bus> on bge3  
brgphy3: <BCM5719C 1000BASE-T media interface> PHY 4 on miibus3  
brgphy3: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow  
bge3: Ethernet address: 8c:df:9d:81:8d:4f  
pcib3: <ACPI PCI-PCI bridge> irq 19 at device 27.3 on pci0  
pcib3: failed to allocate initial memory window: 0xde000000-0xdf9fffff  
pci95: <ACPI PCI bus> on pcib3  
vgapci0: <VGA-compatible display> mem 0xde000000-0xdeffffff,0xdf000000-0xdf7fffff irq 19 at device 0.0 on pci95  
vgapci0: Boot video device  
pcib4: <ACPI PCI-PCI bridge> irq 16 at device 28.0 on pci0  
pci96: <ACPI PCI bus> on pcib4  
bge4: <1000BASE-T\_Adapter(4ch), ASIC rev. 0x5719001> mem 0xddeb0000-0xddebffff,0xddea0000-0xddeaffff,0xdde90000-0xdde9ffff irq 16 at device 0.0 on pci96  
bge4: CHIP ID 0x05719001; ASIC REV 0x5719; CHIP REV 0x57190; PCI-E  
miibus4: <MII bus> on bge4  
brgphy4: <BCM5719C 1000BASE-T media interface> PHY 1 on miibus4  
brgphy4: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow  
bge4: Ethernet address: 8c:df:9d:81:8d:40  
bge5: <1000BASE-T\_Adapter(4ch), ASIC rev. 0x5719001> mem 0xdd800000-0xdd8fffff,0xdd700000-0xdd7fffff,0xdd600000-0xdd6fffff irq 17 at device 0.1 on pci96  
bge5: CHIP ID 0x05719001; ASIC REV 0x5719; CHIP REV 0x57190; PCI-E  
miibus5: <MII bus> on bge5  
brgphy5: <BCM5719C 1000BASE-T media interface> PHY 2 on miibus5  
brgphy5: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow  
bge5: Ethernet address: 8c:df:9d:81:8d:41  
bge6: <1000BASE-T\_Adapter(4ch), ASIC rev. 0x5719001> mem 0xdd500000-0xdd5fffff,0xdd400000-0xdd4fffff,0xdd300000-0xdd3fffff irq 16 at device 0.2 on pci96  
bge6: CHIP ID 0x05719001; ASIC REV 0x5719; CHIP REV 0x57190; PCI-E  
miibus6: <MII bus> on bge6  
brgphy6: <BCM5719C 1000BASE-T media interface> PHY 3 on miibus6  
brgphy6: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow  
bge6: Ethernet address: 8c:df:9d:81:8d:42  
bge7: <1000BASE-T\_Adapter(4ch), ASIC rev. 0x5719001> mem 0xdd200000-0xdd2fffff,0xdd100000-0xdd1fffff,0xdd000000-0xdd0fffff irq 17 at device 0.3 on pci96  
bge7: CHIP ID 0x05719001; ASIC REV 0x5719; CHIP REV 0x57190; PCI-E  
miibus7: <MII bus> on bge7  
brgphy7: <BCM5719C 1000BASE-T media interface> PHY 4 on miibus7  
brgphy7: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow  
bge7: Ethernet address: 8c:df:9d:81:8d:43  
pcib5: <ACPI PCI-PCI bridge> irq 19 at device 28.3 on pci0  
pci143: <ACPI PCI bus> on pcib5  
bge8: <Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5720000> mem 0xdd500000-0xdd5fffff,0xdd400000-0xdd4fffff,0xdd300000-0xdd3fffff irq 19 at device 0.0 on pci143  
bge8: APE FW version: NCSI v1.3.12.0  
bge8: CHIP ID 0x05720000; ASIC REV 0x5720; CHIP REV 0x57200; PCI-E  
miibus8: <MII bus> on bge8  
brgphy8: <BCM5720C 1000BASE-T media interface> PHY 1 on miibus8  
brgphy8: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow  
bge8: Ethernet address: 40:8d:5c:a9:e5:33  
bge9: <Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5720000> mem 0xdd200000-0xdd2fffff,0xdd100000-0xdd1fffff,0xdd000000-0xdd0fffff irq 16 at device 0.1 on pci143  
bge9: APE FW version: NCSI v1.3.12.0  
bge9: CHIP ID 0x05720000; ASIC REV 0x5720; CHIP REV 0x57200; PCI-E  
miibus9: <MII bus> on bge9  
brgphy9: <BCM5720C 1000BASE-T media interface> PHY 2 on miibus9  
brgphy9: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow  
bge9: Ethernet address: 40:8d:5c:a9:e5:34  
pcib6: <ACPI PCI-PCI bridge> irq 16 at device 28.4 on pci0  
pci144: <ACPI PCI bus> on pcib6  
LSI MegaRAID SAS FreeBSD mrsas driver version: 06.704.01.01-fbsd  
mrsas0: <LSI Invader SAS Controller> port 0xe000-0xe0ff mem 0xdfb20000-0xdfb2ffff,0xdfa00000-0xdfafffff irq 16 at device 0.0 on pci144  
mrsas0: Internal command timed out after 180 seconds.  
pcib7: <ACPI PCI-PCI bridge> irq 16 at device 29.0 on pci0  
pci192: <ACPI PCI bus> on pcib7  
isab0: <PCI-ISA bridge> at device 31.0 on pci0  
isab0: <ISA bus> on isab0  
pci0: <memory> at device 31.2 (no driver attached)  
acpi\_button0: <Sleep Button> on acpi0  
acpi\_button1: <Power Button> on acpi0  
atkbd0: <Keyboard controller (i8042)> port 0x60,0x64 irq 1 on acpi0  
atkbd0: <AT Keyboard> irq 1 on atkbd0  
kbd0 at atkbd0  
atkbd0: [GIANT-LOCKED]  
uart0: <16550 or compatible> port 0x3f8-0x3ff irq 4 flags 0x10 on acpi0

```

uart1: <16550 or compatible> port 0x2f8-0x2ff irq 3 on acpi0
orm0: <ISA Option ROM> at iomem 0xc0000-0xc7fff on isa0
sc0: <System console> at flags 0x100 on isa0
sc0: VGA <16 virtual consoles, flags=0x300>
vga0: <Generic ISA VGA> at port 0x3c0-0x3df iomem 0xa0000-0xbffff on isa0
ppc0: cannot reserve I/O port range
est0: <Enhanced SpeedStep Frequency Control> on cpu0
p4tcc0: <CPU Frequency Thermal Control> on cpu0
est1: <Enhanced SpeedStep Frequency Control> on cpu1
p4tcc1: <CPU Frequency Thermal Control> on cpu1
est2: <Enhanced SpeedStep Frequency Control> on cpu2
p4tcc2: <CPU Frequency Thermal Control> on cpu2
est3: <Enhanced SpeedStep Frequency Control> on cpu3
p4tcc3: <CPU Frequency Thermal Control> on cpu3
est4: <Enhanced SpeedStep Frequency Control> on cpu4
p4tcc4: <CPU Frequency Thermal Control> on cpu4
est5: <Enhanced SpeedStep Frequency Control> on cpu5
p4tcc5: <CPU Frequency Thermal Control> on cpu5
est6: <Enhanced SpeedStep Frequency Control> on cpu6
p4tcc6: <CPU Frequency Thermal Control> on cpu6
est7: <Enhanced SpeedStep Frequency Control> on cpu7
p4tcc7: <CPU Frequency Thermal Control> on cpu7
Timecounters tick every 1.000 msec
random: unblocking device.
usb0: 5.0Gbps Super Speed USB v3.0
ugen0.1: <0x8086> at usb0
uhub0: <0x8086 XHCI root HUB, class 9/0, rev 3.00/1.00, addr 1> on usb0
ses0 at ahciem0 bus 0 scbus5 target 0 lun 0
ses0: <AHCI SGPIO Enclosure 1.00 0001> SEMB S-E-S 2.00 device
ses0: SEMB SES Device
da0 at mrsas0 bus 0 scbus6 target 0 lun 0
da0: <LSI MR9362-8i 4.22> Fixed Direct Access SCSI-5 device
da0: Serial Number 0093b0a108b242c71ee04a570bb00506
da0: 150.000MB/s transfers
da0: 2143200MB (4389273600 512 byte sectors: 255H 63S/T 273219C)
cd0 at ahcich4 bus 0 scbus4 target 0 lun 0
cd0: <HL-DT-ST DVDROM DUD0N EV01> Removable CD-ROM SCSI-0 device
cd0: Serial Number B6ARVN3006339
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 #1 Launched!
SMP: AP CPU #7 Launched!
SMP: AP CPU #6 Launched!
SMP: AP CPU #4 Launched!
SMP: AP CPU #5 Launched!
SMP: AP CPU #2 Launched!
SMP: AP CPU #3 Launched!
Timecounter "TSC-low" frequency 1704056031 Hz quality 1000
Root mount waiting for: usb0
Root mount waiting for: usb0
uhub0: 26 ports with 26 removable, self powered
ugen0.2: <vendor 0x0409> at usb0
uhub1: <vendor 0x0409 product 0x005a, class 9/0, rev 2.00/1.00, addr 1> on usb0
Root mount waiting for: usb0
uhub1: 3 ports with 2 removable, bus powered
ugen0.3: <Topre Corporation> at usb0
ukbd0: <Topre Corporation HHKB Professional, class 0/0, rev 1.10/1.02, addr 2> on usb0
kbd2 at ukbd0
Root mount waiting for: usb0
ugen0.4: <American Megatrends Inc.> at usb0
ukbd1: <Keyboard Interface> on usb0
kbd3 at ukbd1
Root mount waiting for: usb0
Trying to mount root from ufs:/dev/da0p2 [rw]...
ums0: <Mouse Interface> on usb0
ums0: 3 buttons and [Z] coordinates ID=0

```

# カーネルデバイスツリー

```
nexus0
  apic0
    I/O memory addresses:
      0xfec00000-0xfec0001f
  ram0
    I/O memory addresses:
      0x0-0x9a7ff
      0x100000-0x6ec0dfff
      0x6ec59000-0x748f4fff
      0x77ff000-0x77ffffff
      0x10000000-0x4877ffff
  acpi0
    Interrupt request lines:
      0x9
    I/O ports:
      0x2e-0x2f
      0x4e-0x4f
      0x61
      0x63
      0x65
      0x67
      0x70
      0x80
      0x92
      0xb2-0xb3
      0x680-0x69f
      0x800-0x87f
      0x164e-0x164f
      0x1800-0x18fe
      0xff00-0xfffe
      0xffff
    I/O memory addresses:
      0xdf800000-0xdf8fffff
      0xdf914000-0xdf914fff
      0xdffe0000-0xdfffffff
      0xe0000000-0xefffffff
      0xfed10000-0xfed17fff
      0xfed18000-0xfed18fff
      0xfed19000-0xfed19fff
      0xfed20000-0xfed3ffff
      0xfed45000-0xfed8ffff
      0xfed90000-0xfed93fff
      0xfe000000-0xfeffffff
      0xff000000-0xffffffff
  cpu0
    ACPI I/O ports:
      0x1815
    acpi_perf0
    est0
    p4tcc0
    cpufreq0
  cpu1
    ACPI I/O ports:
      0x1815
    acpi_perf1
    est1
    p4tcc1
    cpufreq1
  cpu2
    ACPI I/O ports:
      0x1815
    acpi_perf2
    est2
    p4tcc2
    cpufreq2
  cpu3
    ACPI I/O ports:
      0x1815
    acpi_perf3
    est3
    p4tcc3
    cpufreq3
  cpu4
    ACPI I/O ports:
      0x1815
    acpi_perf4
    est4
    p4tcc4
    cpufreq4
  cpu5
    ACPI I/O ports:
      0x1815
    acpi_perf5
    est5
    p4tcc5
```

```

cpufreq5
cpu6
  ACPI I/O ports:
    0x1815
acpi_perf6
est6
p4tcc6
cpufreq6
cpu7
  ACPI I/O ports:
    0x1815
acpi_perf7
est7
p4tcc7
cpufreq7
pcib0
  I/O ports:
    0xcf8-0xcff
pci0
  hostb0
  pcib1
    pci1
    xhci0
      Interrupt request lines:
        0x108
      I/O memory addresses:
        0xdfe00000-0xdfe0ffff
usb0
  uhub0
    uhub1
      ukbd0
      ukbd1
      ums0
ahci0
  Interrupt request lines:
    0x109
  I/O ports:
    0xf020-0xf03f
    0xf040-0xf043
    0xf050-0xf057
  I/O memory addresses:
    0xdfe10000-0xdfe11fff
    0xdfe1d000-0xdfe1d7ff
    0xdfe1e000-0xdfe1e0ff
ahcich0
  I/O memory addresses:
    0xdfe1d100-0xdfe1d17f
ahcich1
  I/O memory addresses:
    0xdfe1d180-0xdfe1d1ff
ahcich2
  I/O memory addresses:
    0xdfe1d200-0xdfe1d27f
ahcich3
  I/O memory addresses:
    0xdfe1d280-0xdfe1d2ff
ahcich4
  I/O memory addresses:
    0xdfe1d300-0xdfe1d37f
ahciem0
  I/O memory addresses:
    0xdfe1d020-0xdfe1d023
    0xdfe1d580-0xdfe1d587
pcib2
  I/O memory addresses:
    0xddf00000-0xddffffff
    0xddfd0000-0xddfdffff
pci48
  bge0
    Interrupt request lines:
      0x10a
    pcib2 prefetch window:
      0xddf90000-0xddf9ffff
      0xddfa0000-0xddfaffff
      0xddfb0000-0xddfbffff
    miibus0
    brgphy0
  bge1
    Interrupt request lines:
      0x10b
    pcib2 prefetch window:
      0xddf60000-0xddf6ffff
      0xddf70000-0xddf7ffff
      0xddf80000-0xddf8ffff
    miibus1
    brgphy1
  bge2
    Interrupt request lines:
      0x10c
    pcib2 prefetch window:
      0xddf30000-0xddf3ffff

```

```

        0xddf40000-0xddf4ffff
        0xddf50000-0xddf5ffff
miibus2
  brgphy2
bge3
  Interrupt request lines:
    0x10d
  pcib2 prefetch window:
    0xddf00000-0xddf0ffff
    0xddf10000-0xddf1ffff
    0xddf20000-0xddf2ffff
  miibus3
  brgphy3
pcib3
  I/O memory addresses:
    0xde000000-0xdeffffff
    0xdf000000-0xdf7fffff
pci95
  vgapci0
  pcib3 memory window:
    0xdf000000-0xdf7fffff
  pcib3 prefetch window:
    0xde000000-0xdeffffff
pcib4
  I/O memory addresses:
    0xdde00000-0xddeffffff
    0xdfc00000-0xdfcfffff
pci96
  bge4
  Interrupt request lines:
    0x10e
  pcib4 prefetch window:
    0xdde90000-0xdde9ffff
    0xddea0000-0xddeaffff
    0xddeb0000-0xddebffff
  miibus4
  brgphy4
bge5
  Interrupt request lines:
    0x10f
  pcib4 prefetch window:
    0xdde60000-0xdde6ffff
    0xdde70000-0xdde7ffff
    0xdde80000-0xdde8ffff
  miibus5
  brgphy5
bge6
  Interrupt request lines:
    0x110
  pcib4 prefetch window:
    0xdde30000-0xdde3ffff
    0xdde40000-0xdde4ffff
    0xdde50000-0xdde5ffff
  miibus6
  brgphy6
bge7
  Interrupt request lines:
    0x111
  pcib4 prefetch window:
    0xdde00000-0xdde0ffff
    0xdde10000-0xdde1ffff
    0xdde20000-0xdde2ffff
  miibus7
  brgphy7
pcib5
  I/O memory addresses:
    0xdd000000-0xddffffff
pci143
  bge8
  Interrupt request lines:
    0x112
  pcib5 prefetch window:
    0xdd300000-0xdd33ffff
    0xdd400000-0xdd44ffff
    0xdd500000-0xdd55ffff
  miibus8
  brgphy8
bge9
  Interrupt request lines:
    0x113
  pcib5 prefetch window:
    0xdd000000-0xdd0fffff
    0xdd100000-0xdd1fffff
    0xdd200000-0xdd2fffff
  miibus9
  brgphy9
pcib6
  I/O ports:
    0xe000-0xefff
  I/O memory addresses:
    0xdfa00000-0xdfbfffff

```

```

pci144
  mrsas0
    Interrupt request lines:
      0x10
    pcib6 I/O port window:
      0xe000-0xe0ff
    pcib6 memory window:
      0xdfa00000-0xdfafffff
      0xdfb20000-0xdfb2ffff
pci192
  isab0
    isa0
      sc0
      vga0
        I/O ports:
          0x3c0-0x3df
        I/O memory addresses:
          0xa0000-0xbffff
    orm0
      I/O memory addresses:
        0xc0000-0xc7fff
atkbd0
  Interrupt request lines:
    0x1
  I/O ports:
    0x60
    0x64
atkbd0
psmcpnp0
acpi_sysresource0
uart0
  Interrupt request lines:
    0x4
  I/O ports:
    0x3f8-0x3ff
uart1
  Interrupt request lines:
    0x3
  I/O ports:
    0x2f8-0x2ff
hpet0
  Interrupt request lines:
    0x100
    0x101
    0x102
    0x103
    0x104
    0x105
    0x106
    0x107
  I/O memory addresses:
    0xfed00000-0xfed003ff
fpupnp0
  I/O ports:
    0xf0
acpi_sysresource1
acpi_sysresource2
atrtc0
  Interrupt request lines:
    0x8
attimer0
  Interrupt request lines:
    0x0
  I/O ports:
    0x40-0x43
    0x50-0x53
acpi_sysresource3
acpi_sysresource4
acpi_sysresource5
acpi_sysresource6
pci_link0
pci_link1
pci_link2
pci_link3
pci_link4
pci_link5
pci_link6
pci_link7
acpi_button0
acpi_button1
acpi_timer0
  ACPI I/O ports:
    0x1808-0x180b

```



# PCIバスデータ詳細一覧

```
hostb0@pci0:0:0:0:    class=0x060000 card=0x80691bcf chip=0x19188086 rev=0x07 hdr=0x00
  vendor    = 'Intel Corporation'
  class     = bridge
  subclass  = HOST-PCI
  cap 09[e0] = vendor (length 16) Intel cap 0 version 1
pcib1@pci0:0:1:0:    class=0x060400 card=0x80691bcf chip=0x19018086 rev=0x07 hdr=0x01
  vendor    = 'Intel Corporation'
  class     = bridge
  subclass  = PCI-PCI
  cap 0d[88] = PCI Bridge card=0x80691bcf
  cap 01[80] = powerspec 3 supports D0 D3 current D0
  cap 05[90] = MSI supports 1 message
  cap 10[a0] = PCI-Express 2 root port slot max data 256(256) link x0(x16)
              speed 0.0(8.0) ASPM disabled(L0s/L1)
  ecap 0002[100] = VC 1 max VC0
  ecap 0005[140] = Root Complex Link Declaration 1
  ecap 0019[d94] = PCIe Sec 1 lane errors 0
xhci0@pci0:0:20:0:   class=0x0c0330 card=0x80691bcf chip=0xa12f8086 rev=0x31 hdr=0x00
  vendor    = 'Intel Corporation'
  class     = serial bus
  subclass  = USB
  cap 01[70] = powerspec 2 supports D0 D3 current D0
  cap 05[80] = MSI supports 8 messages, 64 bit enabled with 1 message
none0@pci0:0:20:2:   class=0x118000 card=0x80691bcf chip=0xa1318086 rev=0x31 hdr=0x00
  vendor    = 'Intel Corporation'
  class     = dasp
  cap 01[50] = powerspec 3 supports D0 D3 current D0
  cap 05[80] = MSI supports 1 message
none1@pci0:0:22:0:   class=0x078000 card=0x80691bcf chip=0xa13a8086 rev=0x31 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
none2@pci0:0:22:1:   class=0x078000 card=0x80691bcf chip=0xa13b8086 rev=0x31 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
ahci0@pci0:0:23:0:   class=0x010601 card=0x80691bcf chip=0xa1028086 rev=0x31 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
pcib2@pci0:0:27:0:   class=0x060400 card=0x80691bcf chip=0xa1688086 rev=0xf1 hdr=0x01
  vendor    = 'Intel Corporation'
  class     = bridge
  subclass  = PCI-PCI
  cap 10[40] = PCI-Express 2 root port slot max data 256(256) link x1(x1)
              speed 5.0(8.0)
  cap 05[80] = MSI supports 1 message
  cap 0d[90] = PCI Bridge card=0x80691bcf
  cap 01[a0] = powerspec 3 supports D0 D3 current D0
  ecap 0001[100] = AER 1 0 fatal 0 non-fatal 0 corrected
  ecap 000d[140] = ACS 1
  ecap 0019[220] = PCIe Sec 1 lane errors 0
pcib3@pci0:0:27:3:   class=0x060400 card=0x80691bcf chip=0xa16a8086 rev=0xf1 hdr=0x01
  vendor    = 'Intel Corporation'
  class     = bridge
  subclass  = PCI-PCI
  cap 10[40] = PCI-Express 2 root port slot max data 256(256) link x1(x1)
              speed 2.5(8.0)
  cap 05[80] = MSI supports 1 message
  cap 0d[90] = PCI Bridge card=0x80691bcf
  cap 01[a0] = powerspec 3 supports D0 D3 current D0
  ecap 0001[100] = AER 1 0 fatal 1 non-fatal 0 corrected
  ecap 000d[140] = ACS 1
  ecap 0019[220] = PCIe Sec 1 lane errors 0
pcib4@pci0:0:28:0:   class=0x060400 card=0x80691bcf chip=0xa1108086 rev=0xf1 hdr=0x01
  vendor    = 'Intel Corporation'
  class     = bridge
  subclass  = PCI-PCI
  cap 10[40] = PCI-Express 2 root port slot max data 256(256) link x2(x2)
              speed 5.0(8.0)
  cap 05[80] = MSI supports 1 message
  cap 0d[90] = PCI Bridge card=0x80691bcf
  cap 01[a0] = powerspec 3 supports D0 D3 current D0
  ecap 0001[100] = AER 1 0 fatal 0 non-fatal 0 corrected
  ecap 000d[140] = ACS 1
  ecap 0019[220] = PCIe Sec 1 lane errors 0
pcib5@pci0:0:28:3:   class=0x060400 card=0x80691bcf chip=0xa1138086 rev=0xf1 hdr=0x01
  vendor    = 'Intel Corporation'
  class     = bridge
  subclass  = PCI-PCI
```

```

cap 10[40] = PCI-Express 2 root port slot max data 256(256) link x1(x1)
            speed 5.0(8.0)
cap 05[80] = MSI supports 1 message
cap 0d[90] = PCI Bridge card=0x80691bcf
cap 01[a0] = powerspec 3 supports D0 D3 current D0
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000d[140] = ACS 1
ecap 0019[220] = PCIe Sec 1 lane errors 0
pcib6@pci0:0:28:4: class=0x060400 card=0x80691bcf chip=0xa1148086 rev=0xf1 hdr=0x01
vendor      = 'Intel Corporation'
class       = bridge
subclass    = PCI-PCI
cap 10[40] = PCI-Express 2 root port slot max data 256(256) link x4(x4)
            speed 8.0(8.0)
cap 05[80] = MSI supports 1 message
cap 0d[90] = PCI Bridge card=0x80691bcf
cap 01[a0] = powerspec 3 supports D0 D3 current D0
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000d[140] = ACS 1
ecap 0019[220] = PCIe Sec 1 lane errors 0
pcib7@pci0:0:29:0: class=0x060400 card=0x80691bcf chip=0xa1188086 rev=0xf1 hdr=0x01
vendor      = 'Intel Corporation'
class       = bridge
subclass    = PCI-PCI
cap 10[40] = PCI-Express 2 root port slot max data 128(256) link x0(x4)
            speed 0.0(8.0)
cap 05[80] = MSI supports 1 message
cap 0d[90] = PCI Bridge card=0x80691bcf
cap 01[a0] = powerspec 3 supports D0 D3 current D0
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000d[140] = ACS 1
ecap 0019[220] = PCIe Sec 1 lane errors 0
isab0@pci0:0:31:0: class=0x060100 card=0x80691bcf chip=0xa1498086 rev=0x31 hdr=0x00
vendor      = 'Intel Corporation'
class       = bridge
subclass    = PCI-ISA
none3@pci0:0:31:2: class=0x058000 card=0x80691bcf chip=0xa1218086 rev=0x31 hdr=0x00
vendor      = 'Intel Corporation'
class       = memory
none4@pci0:0:31:4: class=0x0c0500 card=0x80691bcf chip=0xa1238086 rev=0x31 hdr=0x00
vendor      = 'Intel Corporation'
class       = serial bus
subclass    = SMBus
bge0@pci0:48:0:0: class=0x020000 card=0x80641bcf chip=0x165714e4 rev=0x01 hdr=0x00
vendor      = 'Broadcom Corporation'
device      = 'NetXtreme BCM5719 Gigabit Ethernet PCIe'
class       = network
subclass    = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
            Table in map 0x20[0x0], PBA in map 0x20[0x1000]
cap 10[ac] = PCI-Express 2 endpoint max data 256(256) FLR link x1(x4)
            speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 00008cdf9d818d4c
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
bge1@pci0:48:0:1: class=0x020000 card=0x80641bcf chip=0x165714e4 rev=0x01 hdr=0x00
vendor      = 'Broadcom Corporation'
device      = 'NetXtreme BCM5719 Gigabit Ethernet PCIe'
class       = network
subclass    = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
            Table in map 0x20[0x0], PBA in map 0x20[0x1000]
cap 10[ac] = PCI-Express 2 endpoint max data 256(256) FLR link x1(x4)
            speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 00008cdf9d818d4d
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
bge2@pci0:48:0:2: class=0x020000 card=0x80641bcf chip=0x165714e4 rev=0x01 hdr=0x00
vendor      = 'Broadcom Corporation'
device      = 'NetXtreme BCM5719 Gigabit Ethernet PCIe'
class       = network
subclass    = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
            Table in map 0x20[0x0], PBA in map 0x20[0x1000]
cap 10[ac] = PCI-Express 2 endpoint max data 256(256) FLR link x1(x4)
            speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 00008cdf9d818d4e
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0

```

```

bge3@pci:48:0:3:      class=0x020000 card=0x80641bcf chip=0x165714e4 rev=0x01 hdr=0x00
vendor      = 'Broadcom Corporation'
device      = 'NetXtreme BCM5719 Gigabit Ethernet PCIe'
class       = network
subclass    = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
             Table in map 0x20[0x0], PBA in map 0x20[0x1000]
cap 10[ac] = PCI-Express 2 endpoint max data 256(256) FLR link x1(x4)
             speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 00008cdf9d818d4f
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
vgapci@pci:95:0:0:   class=0x030000 card=0x80691bcf chip=0x0522102b rev=0x00 hdr=0x00
vendor      = 'Matrox Electronics Systems Ltd.'
device      = 'MGA G200e [Pilot] ServerEngines (SEP1)'
class       = display
subclass    = VGA
cap 01[dc] = powerspec 2 supports D0 D3 current D0
cap 10[e4] = PCI-Express 1 legacy endpoint max data 256(256) link x1(x1)
             speed 2.5(2.5) ASPM disabled(L0s)
cap 05[54] = MSI supports 1 message
bge4@pci:96:0:0:     class=0x020000 card=0x80641bcf chip=0x165714e4 rev=0x01 hdr=0x00
vendor      = 'Broadcom Corporation'
device      = 'NetXtreme BCM5719 Gigabit Ethernet PCIe'
class       = network
subclass    = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
             Table in map 0x20[0x0], PBA in map 0x20[0x1000]
cap 10[ac] = PCI-Express 2 endpoint max data 256(256) FLR link x2(x4)
             speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 00008cdf9d818d40
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
bge5@pci:96:0:1:     class=0x020000 card=0x80641bcf chip=0x165714e4 rev=0x01 hdr=0x00
vendor      = 'Broadcom Corporation'
device      = 'NetXtreme BCM5719 Gigabit Ethernet PCIe'
class       = network
subclass    = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
             Table in map 0x20[0x0], PBA in map 0x20[0x1000]
cap 10[ac] = PCI-Express 2 endpoint max data 256(256) FLR link x2(x4)
             speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 00008cdf9d818d41
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
bge6@pci:96:0:2:     class=0x020000 card=0x80641bcf chip=0x165714e4 rev=0x01 hdr=0x00
vendor      = 'Broadcom Corporation'
device      = 'NetXtreme BCM5719 Gigabit Ethernet PCIe'
class       = network
subclass    = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
             Table in map 0x20[0x0], PBA in map 0x20[0x1000]
cap 10[ac] = PCI-Express 2 endpoint max data 256(256) FLR link x2(x4)
             speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 00008cdf9d818d42
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
bge7@pci:96:0:3:     class=0x020000 card=0x80641bcf chip=0x165714e4 rev=0x01 hdr=0x00
vendor      = 'Broadcom Corporation'
device      = 'NetXtreme BCM5719 Gigabit Ethernet PCIe'
class       = network
subclass    = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
             Table in map 0x20[0x0], PBA in map 0x20[0x1000]
cap 10[ac] = PCI-Express 2 endpoint max data 256(256) FLR link x2(x4)
             speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 00008cdf9d818d43
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
bge8@pci:143:0:0:    class=0x020000 card=0x80691bcf chip=0x165f14e4 rev=0x00 hdr=0x00
vendor      = 'Broadcom Corporation'

```

```

device = 'NetXtreme BCM5720 Gigabit Ethernet PCIe'
class = network
subclass = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
    Table in map 0x20[0x0], PBA in map 0x20[0x1000]
cap 10[ac] = PCI-Express 2 endpoint max data 256(256) FLR link x1(x2)
    speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 0000408d5ca9e533
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
bge9@pci:0:14:0:1: class=0x020000 card=0x80691bcf chip=0x165f14e4 rev=0x00 hdr=0x00
vendor = 'Broadcom Corporation'
device = 'NetXtreme BCM5720 Gigabit Ethernet PCIe'
class = network
subclass = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
    Table in map 0x20[0x0], PBA in map 0x20[0x1000]
cap 10[ac] = PCI-Express 2 endpoint max data 256(256) FLR link x1(x2)
    speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 0000408d5ca9e534
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0
mrsas0@pci:0:144:0:0: 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 x4(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
    Table in map 0x14[0xe000], PBA in map 0x14[0xf000]
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

```

# ACPI電源管理データ詳細一覧

```
RSD PTR: OEM=AMI, ACPI_Rev=2.0x (2)
XSDT=0x75778080, length=36, cksum=240
XSDT: Length=132, Revision=1, Checksum=48,
OEMID=AMI, OEM Table ID=0707, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
Entries={ 0x7578e378, 0x7578e488, 0x7578e548, 0x7578e5e8, 0x7578e628, 0x7578e660, 0x7578e9d0, 0x75791b38,
0x75791ef8, 0x75791f68 }
FACP: Length=268, Revision=5, Checksum=189,
OEMID=AMI, OEM Table ID=0707, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
FACS=0x75f48f80, DSDT=0x75778198
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=0x1800-0x1803
PM1a_CNT_BLK=0x1804-0x1805
PM2_CNT_BLK=0x1850-0x1850
PM_TMR_BLK=0x1808-0x180b
GPE0_BLK=0x1880-0x189f
P_LVL2_LAT=101 us, P_LVL3_LAT=1001 us
FLUSH_SIZE=1024, FLUSH_STRIDE=16
DUTY_OFFSET=0, DUTY_WIDTH=0
DAY_ALRM=7, MON_ALRM=8, CENTURY=50
IAPC_BOOT_ARCH={LEGACY_DEVICES,NO_ASPM}
Flags=
{WBINVD,C1_SUPPORTED,C2_MP_SUPPORTED,SLEEP_BUTTON,S4_RTC_WAKE,DOCKING_SUPPORTED,RESET_REGISTER,PLATFORM_CLOCK,S4_RTC_VALID,REMOTE_POWER_ON}
RESET_REG=0xfdae0510:0[8] (Memory), RESET_VALUE=0
FACS: Length=64, HwSig=0x9b26372b, FirmWake_Vec=0x00000000
Global_Lock=
Flags=
Version=2
DSDT: Length=90589, Revision=2, Checksum=59,
OEMID=AMI, OEM Table ID=0707, OEM Revision=0x1072009,
Creator ID=INTL, Creator Revision=0x20120913
APIC: Length=188, Revision=3, Checksum=82,
OEMID=AMI, OEM Table ID=0707, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
Local APIC ADDR=0xfe000000
Flags={PC-AT}
Type=Local APIC
ACPI CPU=1
Flags={ENABLED}
APIC ID=0
Type=Local APIC NMI
ACPI CPU=1
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC
ACPI CPU=2
Flags={ENABLED}
APIC ID=2
Type=Local APIC NMI
ACPI CPU=2
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC
ACPI CPU=3
Flags={ENABLED}
APIC ID=4
Type=Local APIC NMI
ACPI CPU=3
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC
ACPI CPU=4
Flags={ENABLED}
APIC ID=6
Type=Local APIC NMI
ACPI CPU=4
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC
ACPI CPU=5
Flags={ENABLED}
APIC ID=1
Type=Local APIC NMI
ACPI CPU=5
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC
ACPI CPU=6
Flags={ENABLED}
APIC ID=3
```

```

Type=Local APIC NMI
ACPI CPU=6
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC
ACPI CPU=7
Flags={ENABLED}
APIC ID=5
Type=Local APIC NMI
ACPI CPU=7
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC
ACPI CPU=8
Flags={ENABLED}
APIC ID=7
Type=Local APIC NMI
ACPI CPU=8
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=IO APIC
APIC ID=2
INT BASE=0
ADDR=0x00000000fec00000
Type=INT Override
BUS=0
IRQ=0
INTR=2
Flags={Polarity=conforming, Trigger=conforming}
Type=INT Override
BUS=0
IRQ=9
INTR=9
Flags={Polarity=active-hi, Trigger=level}
FIDT: Length=156, Revision=1, Checksum=81,
OEMID=AMI, OEM Table ID=0707, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
MCFG: Length=60, Revision=1, Checksum=64,
OEMID=AMI, OEM Table ID=0707, OEM Revision=0x1072009,
Creator ID=MSFT, Creator Revision=0x97
Base Address=0x00000000e0000000
Segment Group=0x0000
Start Bus=0
End Bus=255
HPET: Length=56, Revision=1, Checksum=234,
OEMID=AMI, OEM Table ID=0707, OEM Revision=0x1072009,
Creator ID=AMI., Creator Revision=0x5000b
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
SSDT: Length=877, Revision=1, Checksum=58,
OEMID=SataRe, OEM Table ID=SataTabl, OEM Revision=0x1000,
Creator ID=INTL, Creator Revision=0x20120913
SSDT: Length=8099, Revision=2, Checksum=2,
OEMID=SaSsdt, OEM Table ID=SaSsdt, OEM Revision=0x3000,
Creator ID=INTL, Creator Revision=0x20120913
SSDT: Length=3672, Revision=2, Checksum=241,
OEMID=CpuRef, OEM Table ID=CpuSsdt, OEM Revision=0x3000,
Creator ID=INTL, Creator Revision=0x20120913
SSDT: Length=869, Revision=2, Checksum=252,
OEMID=PmRef, OEM Table ID=Cpu0Tst, OEM Revision=0x3000,
Creator ID=INTL, Creator Revision=0x20120913
SSDT: Length=959, Revision=2, Checksum=69,
OEMID=PmRef, OEM Table ID=ApTst, OEM Revision=0x3000,
Creator ID=INTL, Creator Revision=0x20120913
DMAR: Length=112, Revision=1, Checksum=0,
OEMID=INTEL, OEM Table ID=SKL, OEM Revision=0x1,
Creator ID=INTL, Creator Revision=0x1
Host Address Width=39
Flags={INTR_REMAP,X2APIC_OPT_OUT}
Type=DRHD
Length=32
Flags={INCLUDE_ALL}
Segment=0
Address=0xfed90000
Type=IOAPIC
Length=8
EnumerationId=2
StartBusNumber=240
Path={31:0}
Type=HPET
Length=8
EnumerationId=0
StartBusNumber=0
Path={31:0}
Type=RMRR
Length=32

```

```
Segment=0
BaseAddress=0x754eb000
LimitAddress=0x7550afff
    Type=PCI Endpoint Device
    Length=8
    EnumerationId=0
    StartBusNumber=0
    Path={20:0}
BERT: Length=48, Revision=1, Checksum=224,
OEMID=AMI, OEM Table ID=AMI.BERT, OEM Revision=0x0,
Creator ID=AMI., Creator Revision=0x0
    ADBG (Concatenate ("EMH4=", ToDecimalString (EMH4)))
ADBG (Concatenate ("_PTS=", ToHexString (Arg0)))
    ADBG (Concatenate ("PEPC = ", ToHexString (PEPC)))
```

# ネットワークインターフェースデータ詳細一覧

```
bge0: flags=8802<BROADCAST,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>
ether 8c:df:9d:81:8d:4c
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect
bge1: flags=8802<BROADCAST,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>
ether 8c:df:9d:81:8d:4d
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect
bge2: flags=8802<BROADCAST,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>
ether 8c:df:9d:81:8d:4e
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect
bge3: flags=8802<BROADCAST,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>
ether 8c:df:9d:81:8d:4f
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect
bge4: flags=8802<BROADCAST,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>
ether 8c:df:9d:81:8d:40
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect
bge5: flags=8802<BROADCAST,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>
ether 8c:df:9d:81:8d:41
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect
bge6: flags=8802<BROADCAST,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>
ether 8c:df:9d:81:8d:42
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect
bge7: flags=8802<BROADCAST,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>
ether 8c:df:9d:81:8d:43
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect
bge8: flags=8843<UP, BROADCAST, RUNNING, SIMPLEX, MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>
ether 40:8d:5c:a9:e5:33
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect (none)
status: no carrier
bge9: flags=8802<BROADCAST,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>
ether 40:8d:5c:a9:e5:34
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect
lo0: flags=8049<UP, LOOPBACK, RUNNING, MULTICAST> metric 0 mtu 16384
options=600003<RXCSUM, TXCSUM, RXCSUM_IPV6, TXCSUM_IPV6>
inet6 ::1 prefixlen 128
inet6 fe80::1%lo0 prefixlen 64 scopeid 0xb
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	11 root	wheel	512 May 23 20:49 /dev
97	0 lrwxr-xr-x	1 root	wheel	12 May 23 11:50 /dev/log ->
/var/run/log				
124	0 lrwxr-xr-x	1 root	wheel	10 May 23 20:49 /dev/dumpdev ->
/dev/da0p3				
3	0 crw-----	1 root	wheel	0x3 May 23 11:50 /dev/console
4	0 crw-r-----	1 root	operator	0x4 May 23 11:49 /dev/geom.ctl
5	0 cr--r--r--	1 root	wheel	0x5 May 23 11:49 /dev/sndstat
6	0 crw-----	1 root	wheel	0x6 May 23 11:49 /dev/devctl
7	0 crw-----	1 root	wheel	0x7 May 23 11:49 /dev/kbdmux0
8	0 lrwxr-xr-x	1 root	wheel	7 May 23 11:49 /dev/kbd1 ->
kbdmux0				
9	0 crw-r-----	1 root	kmem	0x9 May 23 11:49 /dev/mem
10	0 crw-r-----	1 root	kmem	0xa May 23 11:49 /dev/kmem
11	0 crw-rw-rw-	1 root	wheel	0xb May 23 11:49 /dev/tty
12	0 crw-----	1 root	wheel	0xc May 23 11:49 /dev/bpf
13	0 lrwxr-xr-x	1 root	wheel	3 May 23 11:49 /dev/bpf0 -> bpf
14	0 crw-----	1 root	wheel	0xe May 23 11:49 /dev/fido
15	0 crw-rw-rw-	1 root	wheel	0xf May 24 13:11 /dev/null
16	0 crw-rw-rw-	1 root	wheel	0x10 May 23 11:49 /dev/zero
17	0 crw-r--r--	1 root	wheel	0x11 May 23 11:49 /dev/pci
18	0 crw-----	1 root	kmem	0x12 May 23 11:49 /dev/nfslock
19	0 crw-----	1 root	kmem	0x13 May 23 11:49 /dev/audit
20	0 crw-rw-rw-	1 root	wheel	0x14 May 23 20:49 /dev/random
21	0 lrwxr-xr-x	1 root	wheel	6 May 23 11:49 /dev/urandom ->
random				
118	1 dr-xr-xr-x	2 root	wheel	512 May 23 11:49 /dev/fd
22	0 crw-rw-rw-	1 root	wheel	0x16 May 23 11:49 /dev/fd/0
24	0 crw-rw-rw-	1 root	wheel	0x18 May 23 11:49 /dev/fd/1
26	0 crw-rw-rw-	1 root	wheel	0x1a May 23 11:49 /dev/fd/2
23	0 lrwxr-xr-x	1 root	wheel	4 May 23 11:49 /dev/stdin -> fd/0
25	0 lrwxr-xr-x	1 root	wheel	4 May 23 11:49 /dev/stdout -> fd/1
27	0 lrwxr-xr-x	1 root	wheel	4 May 23 11:49 /dev/stderr -> fd/2
28	0 crw-----	1 root	wheel	0x1c May 23 11:49 /dev/io
29	0 crw-rw-rw-	1 root	wheel	0x1d May 23 11:49 /dev/midistat
30	0 crw-----	1 root	wheel	0x1e May 23 11:49 /dev/systemouse
31	0 crw-----	1 root	wheel	0x1f May 23 11:49 /dev/klog
32	0 crw-r--r--	1 root	wheel	0x20 May 23 11:49 /dev/acpi
33	0 crw-rw----	1 root	operator	0x21 May 23 11:49 /dev/apmctl
34	0 crw-rw-r--	1 root	operator	0x22 May 23 11:49 /dev/apm
119	1 dr-xr-xr-x	2 root	wheel	512 May 23 11:49 /dev/led
35	0 crw-----	1 root	wheel	0x23 May 23 11:49 /dev/led
/ahci0.0.locate				
36	0 crw-----	1 root	wheel	0x24 May 23 11:49 /dev/led
/ahci0.0.fault				
37	0 crw-----	1 root	wheel	0x25 May 23 11:49 /dev/led
/ahci0.1.locate				
38	0 crw-----	1 root	wheel	0x26 May 23 11:49 /dev/led
/ahci0.1.fault				
39	0 crw-----	1 root	wheel	0x27 May 23 11:49 /dev/led
/ahci0.2.locate				
40	0 crw-----	1 root	wheel	0x28 May 23 11:49 /dev/led
/ahci0.2.fault				
41	0 crw-----	1 root	wheel	0x29 May 23 11:49 /dev/led
/ahci0.3.locate				
42	0 crw-----	1 root	wheel	0x2a May 23 11:49 /dev/led
/ahci0.3.fault				
43	0 crw-----	1 root	wheel	0x2b May 23 11:49 /dev/led
/ahci0.4.locate				
44	0 crw-----	1 root	wheel	0x2c May 23 11:49 /dev/led
/ahci0.4.fault				
45	0 crw-rw----	1 root	operator	0x2d May 23 11:49 /dev/mrsas0
46	0 crw-----	1 root	wheel	0x2e May 23 11:49 /dev/atkbd0
47	0 lrwxr-xr-x	1 root	wheel	6 May 23 11:49 /dev/kbd0 -> atkbd0
48	0 crw-----	1 root	wheel	0x30 May 23 11:49 /dev/tty0
49	0 crw-----	1 root	wheel	0x31 May 23 11:49 /dev/tty0.init
50	0 crw-----	1 root	wheel	0x32 May 23 11:49 /dev/tty0.lock
51	0 crw-rw----	1 uucp	dialer	0x33 May 23 11:49 /dev/cuau0
52	0 crw-rw----	1 uucp	dialer	0x34 May 23 11:49 /dev/cuau0.init
53	0 crw-rw----	1 uucp	dialer	0x35 May 23 11:49 /dev/cuau0.lock
54	0 crw-----	1 root	wheel	0x36 May 23 11:49 /dev/tty1
55	0 crw-----	1 root	wheel	0x37 May 23 11:49 /dev/tty1.init
56	0 crw-----	1 root	wheel	0x38 May 23 11:49 /dev/tty1.lock
57	0 crw-rw----	1 uucp	dialer	0x39 May 23 11:49 /dev/cuau1
58	0 crw-rw----	1 uucp	dialer	0x3a May 23 11:49 /dev/cuau1.init
59	0 crw-rw----	1 uucp	dialer	0x3b May 23 11:49 /dev/cuau1.lock
60	0 crw-----	1 root	tty	0x3c May 24 13:11 /dev/ttyv0
61	0 crw-----	1 root	wheel	0x3d May 23 11:50 /dev/ttyv1
62	0 crw-----	1 root	wheel	0x3e May 23 11:50 /dev/ttyv2
63	0 crw-----	1 root	wheel	0x3f May 23 11:50 /dev/ttyv3
64	0 crw-----	1 root	wheel	0x40 May 23 11:50 /dev/ttyv4
65	0 crw-----	1 root	wheel	0x41 May 23 11:50 /dev/ttyv5
66	0 crw-----	1 root	wheel	0x42 May 23 11:50 /dev/ttyv6
67	0 crw-----	1 root	wheel	0x43 May 23 11:50 /dev/ttyv7
68	0 crw-----	1 root	wheel	0x44 May 23 11:49 /dev/ttyv8

69	0 crw-----	1 root	wheel	0x45	May 23 11:49	/dev/ttyv9
70	0 crw-----	1 root	wheel	0x46	May 23 11:49	/dev/ttyva
71	0 crw-----	1 root	wheel	0x47	May 23 11:49	/dev/ttyvb
72	0 crw-----	1 root	wheel	0x48	May 23 11:49	/dev/ttyvc
73	0 crw-----	1 root	wheel	0x49	May 23 11:49	/dev/ttyvd
74	0 crw-----	1 root	wheel	0x4a	May 23 11:49	/dev/ttyve
75	0 crw-----	1 root	wheel	0x4b	May 23 11:49	/dev/ttyvf
76	0 crw-----	1 root	wheel	0x4c	May 23 11:49	/dev/conslect1
77	0 crw-----	1 root	wheel	0x4d	May 23 11:49	/dev/ufssuspend
80	0 crw-r--r--	1 root	operator	0x50	May 23 11:49	/dev/usbctl
81	0 crw-----	1 root	operator	0x51	May 23 11:49	/dev/xpt0
82	0 crw-----	1 root	wheel	0x52	May 23 11:49	/dev/mdctl
120	1 dr-xr-xr-x	2 root	wheel	512	May 23 11:49	/dev/usb
83	0 crw-----	1 root	operator	0x53	May 23 11:49	/dev/usb/0.1.0
85	0 crw-----	1 root	operator	0x55	May 23 11:49	/dev/usb/0.1.1
104	0 crw-----	1 root	operator	0x68	May 23 11:49	/dev/usb/0.2.0
106	0 crw-----	1 root	operator	0x6a	May 23 11:49	/dev/usb/0.2.1
107	0 crw-----	1 root	operator	0x6b	May 23 11:49	/dev/usb/0.3.0
109	0 crw-----	1 root	operator	0x6d	May 23 11:49	/dev/usb/0.3.1
112	0 crw-----	1 root	operator	0x70	May 23 11:49	/dev/usb/0.4.0
114	0 crw-----	1 root	operator	0x72	May 23 11:49	/dev/usb/0.4.1
115	0 crw-----	1 root	operator	0x73	May 23 11:49	/dev/usb/0.4.2
84	0 lrwxr-xr-x	1 root	wheel	9	May 23 11:49	/dev/ugen0.1 ->
usb/0.1.0						
86	0 cr--r--r--	1 root	wheel	0x56	May 23 11:49	/dev/devstat
87	0 crw-----	1 root	operator	0x57	May 23 11:49	/dev/pass0
88	0 crw-----	1 root	operator	0x58	May 23 11:49	/dev/pass1
89	0 crw-----	1 root	operator	0x59	May 23 11:49	/dev/pass2
90	0 crw-----	1 root	operator	0x5a	May 23 11:49	/dev/ses0
91	0 crw-r-----	1 root	operator	0x5b	May 23 11:49	/dev/cd0
92	0 crw-r-----	1 root	operator	0x5c	May 23 11:49	/dev/da0
94	0 crw-r-----	1 root	operator	0x5e	May 23 11:49	/dev/da0p1
95	0 crw-r-----	1 root	operator	0x5f	May 23 20:49	/dev/da0p2
96	0 crw-r-----	1 root	operator	0x60	May 23 20:49	/dev/da0p3
122	1 dr-xr-xr-x	2 root	wheel	512	May 23 11:49	/dev/gptid
100	0 crw-r-----	1 root	operator	0x64	May 23 11:49	/dev/gptid
/b57c0dde-1d1f-11e6-8a1f-8cdf9d818d4c						
105	0 lrwxr-xr-x	1 root	wheel	9	May 23 11:49	/dev/ugen0.2 ->
usb/0.2.0						
108	0 lrwxr-xr-x	1 root	wheel	9	May 23 11:49	/dev/ugen0.3 ->
usb/0.3.0						
110	0 crw-----	1 root	wheel	0x6e	May 23 11:49	/dev/ukbd0
111	0 lrwxr-xr-x	1 root	wheel	5	May 23 11:49	/dev/kbd2 -> ukbd0
113	0 lrwxr-xr-x	1 root	wheel	9	May 23 11:49	/dev/ugen0.4 ->
usb/0.4.0						
116	0 crw-----	1 root	wheel	0x74	May 23 11:49	/dev/ukbd1
117	0 lrwxr-xr-x	1 root	wheel	5	May 23 11:49	/dev/kbd3 -> ukbd1
93	0 crw-r--r--	1 root	operator	0x5d	May 23 11:50	/dev/ums0

# 更新履歷

# 更新履歴

- 2016年05月24日 FreeBSD動作検証レポート2016年5月23日版作成

# FreeBSD動作検証レポート

## T110h-S / 10.1-RELEASE

### 対象ハードウェア

maker:NEC, product:Express5800/T110h-S  
[N8100-2301Y], serial:6200112, version:FR1.1

### 対象OSバージョン

FreeBSD 10.1-RELEASE #0 r274401: Tue Nov 11  
21:02:49 UTC 2014

2016年5月23日版

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