

# Re: CPU/case/disk temperature sensors for Dell PowerEdge 2850

---

*Source:* <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/hackers/2006-01/msg00315.html>

---

- *From:* Surer Dink <[surerlistmail@xxxxxxxxxx](mailto:surerlistmail@xxxxxxxxxx)>
  - *Date:* Thu, 26 Jan 2006 13:04:23 -0500
- 

On 1/26/06, Bruno Ducrot <[ducrot@xxxxxxxxxxxxxx](mailto:ducrot@xxxxxxxxxxxxxx)> wrote:

>  
>>> First, install sysutils/freeipmi, then try it by this command:  
>>> # bmc-info  
>>>  
>>> If it don't work, or loop forever, please install  
>>> dmidecode (sysutils/dmidecode) then give us the output from  
>>> it for the type entry 38 (IPMI Device Information).  
>>  
>>  
>> bmc-info hangs, output of dmidecode for type 38 is:  
>> Handle 0x2600  
>> DMI type 38, 18 bytes.  
>> IPMI Device Information  
>> Interface Type: KCS (Keyboard Control Style)  
>> Specification Version: 1.5  
>> I2C Slave Address: 0x10  
>> NV Storage Device: Not Present  
>> Base Address: 0x00000000000000CA8 (I/O)  
>> Register Spacing: 32-bit Boundaries  
>>  
>> Incidentally, I attempted the same on other servers (Dell 2550 and some  
>> Supermicros) and they do not contain a "type 38" at all...  
>  
> The DMI stuff is more or less optional. If not present, this won't  
> mean IPMI is not there. For both Dell 2550 (this time..) and the  
> Supermicros, if there are some remote cards control then FreeIPMI should  
> work even if no such handle does not exist at all.  
> If this won't work, for the supermicro at least I  
> think sysutils/mbmon may work.  
>  
> Back to the Dell 2850, the problem is the 'Register Spacing:  
> 32-bit Boundaries' line.  
> FreeIPMI 0.1.3 does not implement this feature and use  
> always the default 8-bit boundary. The symptom is that bmc-info  
> hang forever.  
>  
> Fortunately, the next release will include this support. By now,

Re: CPU/case/disk temperature sensors for Dell PowerEdge 2850

- > there is a beta available but no port has been done.
- >
- > By now, you can try to copy the attached file to
- > ports/sysutils/freeipmi/files
- > and rebuild the port.

Gave it a shot, but seemingly no change. bmc-info still hangs, bmc-config -o outputs:

```
Section User1
## Give username
Username Anonymous
## Give password or leave it blank to clear password
Password
```

and then hangs...

It's good to know the solution is 'in the works'. If I understand correctly, having these tools work will allow me to actually enable/configure this interface, correct?

(re Dell 2550 - bmc-info/bmc-config have identical behavior to the 2850 (with the patch and without), -info hangs, -config -o hangs after spitting out the above...)

---

freebsd-hackers@xxxxxxxxxxx mailing list

<http://lists.freebsd.org/mailman/listinfo/freebsd-hackers>

To unsubscribe, send any mail to "freebsd-hackers-unsubscribe@xxxxxxxxxxx"

---

• **References:**

- ◆ **[CPU/case/disk temperature sensors for Dell PowerEdge 2850](#)**  
    ◇ From: Surer Dink
- ◆ **[Re: CPU/case/disk temperature sensors for Dell PowerEdge 2850](#)**  
    ◇ From: Bruno Ducrot
- ◆ **[Re: CPU/case/disk temperature sensors for Dell PowerEdge 2850](#)**  
    ◇ From: Surer Dink
- ◆ **[Re: CPU/case/disk temperature sensors for Dell PowerEdge 2850](#)**  
    ◇ From: Bruno Ducrot
  
- Prev by Date: **[Re: if bridge hangs ifconfig](#)**
- Next by Date: **[Re: CPU/case/disk temperature sensors for Dell PowerEdge 2850](#)**
- Previous by thread: **[Re: CPU/case/disk temperature sensors for Dell PowerEdge 2850](#)**
- Next by thread: **[Re: CPU/case/disk temperature sensors for Dell PowerEdge 2850](#)**
- Index(es):
  - ◆ **[Date](#)**
  - ◆ **[Thread](#)**