

## Re: Lenovo Thinkpad t61p and FreeBSD?

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*Source:* <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/stable/2008-06/msg00020.html>

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- *From:* Martin <[nakal@xxxxxx](mailto:nakal@xxxxxx)>
  - *Date:* Tue, 3 Jun 2008 23:47:36 +0200
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On Tue, 3 Jun 2008 05:22:18 -0700

Jeremy Chadwick <[koitsu@xxxxxxxxxx](mailto:koitsu@xxxxxxxxxx)> wrote:

Based on my experiences with my workplace-provided T60p, it's safe to say I'll never recommend a Lenovo product. The temperatures of these laptops are absolutely insane, supported by an incredibly loud fan. I'm not interested in a product that can have a GPU reaching temperatures of almost 70C **\*\*while idling\*\***.

Hallo,

I can confirm this. I've got a T60p Lenovo Thinkpad here. This laptop is very lazy with speeding up the fan, when using automatic fan settings.

I've got CPU temperatures up to 101°C here, while compiling world or ports. At this point the laptop powers off. The fan works. I checked it.

The fan is far too slow, when setting it to highest level:

```
dev.acpi_ibm.0.fan_speed: 3745
dev.acpi_ibm.0.fan_level: 7
dev.acpi_ibm.0.fan: 0
```

I'm not sure, but I think I've seen it at 4300 and almost 5000 rpm earlier at high temperatures around 90°C. Today it always stays below 4000 rpm, even at 100°C.

Second problem is that the VGA sits under the same heat sink as the CPU. The GPU or chipset is constantly at 75°C minimum, because FreeBSD-powerd does not adjust the voltage settings of the VGA and always runs it at full power. This heats up the CPU additionally.

I have a small script that automatically adapts the CPU speed, so it stays below 75°C while compiling big things. Optionally one can set the CPU speed to 1667MHz manually while compiling.

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Martin

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