

## Re: Tuning Gigabit

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/performance/2003-06/0136.html>

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**From:** David Gilbert ([dgilbert\\_at\\_velocet.ca](mailto:dgilbert_at_velocet.ca))

**Date:** 06/29/03

Date: Sun, 29 Jun 2003 11:51:38 -0400  
To: Craig Reyenga <[craig@craig.afraid.org](mailto:craig@craig.afraid.org)>

>>>> "Craig" == Craig Reyenga <[craig@craig.afraid.org](mailto:craig@craig.afraid.org)> writes:

>> Now some boards I've tested (like the nvidia chipset) are strangely  
>> limited to 100megabit. I can't explain this. It seems low no  
>> matter how you cut it.

Craig> As I mentioned in a previous email, this is horrible. Does this  
Craig> manifest itself with disk controllers and other high-bandwidth  
Craig> devices?

Well... I don't have any disk controllers to test, but I've verified  
this behaviour with em, bge, sk, and nge chipsets. Of these, as I've  
said before, the em shines. The bge has good performance, too ... but  
we've seen a lot of corrupted routed packets ... it has some  
interaction with some motherboard chipsets.

Craig> I look forward to seeing a paper on this; it would certainly  
Craig> assist people in hardware purchase decisions.

It's in the back of my mind. I don't think I'll have time for this  
BSDCon, but maybe soon thereafter. It's getting to the point where we  
should have a BSD Journal.

Dave.

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|David Gilbert, Velocet Communications.      | Two things can only be      |
|Mail:          dgilbert@velocet.net       | equal if and only if they |
|http://daveq.ca                | are precisely opposite.   |
=====GLO=====
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