

## Re: Tuning Gigabit

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/performance/2003-06/0131.html>

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

**Date:** 06/29/03

Date: Sat, 28 Jun 2003 22:05:56 -0400

To: Gregory Sutter <[gsutter@zer0.org](mailto:gsutter@zer0.org)>

>>>> "Gregory" == Gregory Sutter <[gsutter@zer0.org](mailto:gsutter@zer0.org)> writes:

Gregory> Will you please summarize the motherboard performance data so  
Gregory> we know which boards to buy and which to skip? Thanks.

I've been working on such a summary. So far, the 'nvidia' chipset boards have all tested badly. They couldn't be coaxed to pass more than 100meg of traffic by any means we could discern.

The K7S5A has been our mainstay. Many of them are DOA, but the ones that pass a couple weeks of cpuburn (see port) ... both on cpu and memory tests ... work amazingly well. These boards are limited to 300 megabit total thruput by being a 33Mhz 32bit PCI bus.

We've been testing mainly Athlon boards ... we havn't seen good P4 boards ... but most of the boards we've had through for the P4 have been workstation and not server boards.

The tiger tyan MPX is a dual board with 64 bit slots. I havn't had time to fully benchmark it becuase we use it as a fairly primary database server ... but it has generally been able to perform at or near the top of the class.

There is an ASUS dual board with 32-bit only slots and the AMD 76x chipset (unfortunately it's far away and I can't look at it). it's 32-bit slots run at 66Mhz and have extrodinarily good thruput. AFAICT, it's currently out of production ... but the dual board on the ASUS site looks very good.

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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## freebsd-performance: Re: Tuning Gigabit

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