

Re: PCI bus signal analyzer/monitor?

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2005-07/msg01871.html>

- *From:* John Larkin <jlarkin@xx>
 - *Date:* Fri, 15 Jul 2005 12:14:20 -0700
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On Fri, 15 Jul 2005 13:41:51 CST, Guy Macon
<_see.web.page_@xxxxxxxxxxxxxxxxxxxx> wrote:

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>vanagonvw@xxxxxxxxxx wrote:

>>

>>Hi all,

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>>I have a PLX 9030 PCI bridge device on a new design that is not
>>working. Although I can access the device itself and load my drivers,
>>and the PLX device is configuring itself correctly from the onboard
>>eprom, I am unable to access anything on the local bus side of the
>>device.

>>

>>Going round and round with support and having exhausted most options,
>>and have recently been advised that perhaps the 9030 is rejecting
>>accesses and returning fault codes, or any one of a number of other
>>things that can go wrong on the PCI side.

>>

>>The board is not going to allow me to affix any kind of bus analysis
>>tool, or even a four channel Digital Scope to get any useful
>>information, as it is tight, and I have no access to the tools that can
>>attach or probe such an IC package, plus there is not a lot of money
>>for high end, multichannel logic analyzers and other related tools.

>>

>>Since I want to view the data across the PCI bus, and the card is the
>>only one in any of the slots, I am curious about maybe finding some
>>kind of bus "low end" analyzer/monitor that might be able to capture
>>windows of data across the PCI bus that may be helpful in getting my
>>product up and running.

>>

>>I know there are such things for debugging a PC that will not POST, or
>>has other power up issues, and wonder if such tools might apply to my
>>needs?

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>>I cannot spend a ton of \$\$\$ on this, so its either something in the
>>broad neighborhood of hundreds of dollars, or a rental.

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>>Anyone have an ideas if such a beast exists, where to look, and if such

>>a thing might help me analyze this failure?

>

>Here is one example your basic POST card and breakout adapter:

><http://www.pcengines.ch/test.htm>

>

>Even if these don't solve your current problem, they are cheap

>and you should own one hanging on your PCI buss as you work.

>

>There are many such POST cards on eBay, cheap. For example:

><http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=5219195729>

>

>Here is a more capable/expensive one:

><http://www.uxd.com/phdpci2.shtml>

>(I really like this unit!)

>

>If the above solutions don't work, here are the big guns:

><http://www.silicon-control.com/pci650.htm>

><http://www.silicon-control.com/pci850.htm>

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I note here that GM has cross-posted his reply to his private GM-moderated group, thus hijacking a thread that was posted only to s.e.d. and placing himself in control of followup posts to the s.e.d thread. He did all sorts of weird stuff to the header, too.

Whenever I think maybe we've ragged him enough, he does something obnoxious like this.

John

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• *Follow-Ups:*

- ◆ **Re: PCI bus signal analyzer/monitor?**

◇ From: Al Borowski

- ◆ **Re: PCI bus signal analyzer/monitor?**

◇ From: Pooh Bear

• *References:*

- ◆ **PCI bus signal analyzer/monitor?**

◇ From: vanagonvw

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