



*This Technical Advisory describes an issue which may or may not affect the customer's product*

# Intel Technical Advisory

TA-1000-1

5200 NE Elam Young Parkway  
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## **PCIe link width may intermittently downgrade to x4 or x2 with one third party PCIe add-in card.**

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### **Products Affected**

The following Intel® Server Boards:

- Intel® Server Board S2600CP family
- Intel® Workstation Board W2600CR family
- Intel® Server Board S2600IP family
- Intel® Server Board S2600GZ/GL family

The following Intel® Server Systems:

- Intel® Server System P4000CP family
- Intel® Server System P4000IP family
- Intel® Workstation System P4000CR family
- Intel® Server System R1000GZ/GL family
- Intel® Server System P2000GZ/GL family
- Intel® Server System H2000JF family
- Intel® Server System H2000WP family

### **Description**

The above mentioned Intel® Server Boards and Systems may detect PCIe (PCI express) link width and downgrade to x4 or x2 with a third party PCIe add-in card PCIe x8 card during BIOS Power On Self-Test(POST) while PCIe training in cold reset cycles with approximate 1% failure rate.

### **Root Cause**

An issue exists with BIOS R01.02.0003 and R01.02.0006, where the system may randomly recognize incorrect PCIe generation 3 device widths.

### **Corrective Action / Resolution**

This issue is planned to be fixed in the next revision of the BIOS release and will be cut into Intel products in the June 2012 timeframe. The new System Update Package (SUP) with new BIOS version will be posted on the [downloadcenter.intel.com](http://downloadcenter.intel.com) website around the middle of June 2012.

**Workarounds**

A possible workaround for this issue is to perform an additional reboot to ensure the correct PCIe width is identified.

Please contact your Intel Sales Representative if you require more specific information about this issue.

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