

Frequently Asked Questions

Title: 4000-8000-2000 PCIe Family Requires Power Cable

Date: 07 Sep 2016, 14 Jul 2022

Card/Board/Module: All PCIe cards

Operating System: All

Question:

I have an EXC-8000PCIe, EXC-4000PCIe or EXC-2000PCIe card. I installed the software tools for the M4K module(s) on the card. I tried running one of the demo programs, and the call to function Init_Module returns an initialization failure error.

I opened Excalibur's Showhex Memory Display Utility to see the memory contents of the module, and it displays all 0s; even in the registers where the User's Manual says that there should be module revision information, or other predefined information.

Am I missing something in my setup ?

Answer:

The Excalibur PCIe cards will not work without the power cable connected.

The PCIe bus supplies enough power to drive the base card, but not enough power to drive the modules. Therefore, it is necessary to connect a SATA-type power cable from the computer's power supply to the connector on the card.

So, please verify that you have connected the SATA-type power cable from the power supply to the card. On older revisions of the card, the connector is of the Molex type.

If this does not help, then please contact our support team via our website, at URL <http://www.mil-1553.com/technical-support>.