Frequently Asked Questions

Title: ExcConfig - How to configure multiple 4000PCI cards in one machine
Date: 27 July 2015, June 2022
Card/Board/Module: EXC-4000PCI[e] family series
Operating System: Windows

Question:

I have more than one 4000PCI[e] family card in my machine.
How can I configure them so that my programs can see all of the cards ?
Currently, I access the card using device number 25, and I only see one of the cards.

Answer:

Use the ExcConfig utility to assign distinct device numbers to each card, according to its dip switch setting.

In any one machine, you can use any combination of up to 16 PCIe, PCI or cPCI cards simultaneously. When using more than one Excalibur card in a single machine, you must assign (in the Excalibur Board Configuration utility, ExcConfig) a Unique ID to each card, thereby associating a device number with the setting of DIP Switch SW1 on the PCI[e] card. This information is stored in the Windows System Registry and is used when accessing the card. [If you have only one card in the machine, you may use the default device number of 25, or you may assign a device number from 0-15 to your card.]

Each card must be assigned a Unique ID. Set DIP switch SW1 to a Unique ID by setting the switch contacts open (or off) to represent logic '1' and closed (or on) to represent logic '0'.

Please see the EXC-4000PCI User's Manual, section 3.3 Dip Switches, for how to configure the switch. Or, see a more detailed explanation at URL http://www.mil-1553.com/help-desk, under "Help Desk Downloads", file "Hardware Installation Guide".

Note: On Windows Vista/7/10, due to the User Account Control feature you can no longer run ExcConfig by double-clicking on its icon or by selecting it from the Start menu. Instead, right-click on the ExcConfig icon (or menu item) and choose "Run as Administrator".