

# PCI Express Cable Extender

*Designed by Engineers for Engineers*

The PCI Express Cable Extender is designed to support debugging and verification of x1 PCI express boards. The Extender provides a complete PCI express debugging platform that allows easy access to the logic signals, overcurrent protection and hot-swap capability. It connects to the host computer via CAT6 cable and PCI express or ExpressCard interface card.

## **Easy**

access to debugging board from any angle, allows board to be easily rotated during operation

## **Free**

space on the debugging test bench by moving aside "noisy" host computer

## **Implements**

mechanical support mechanism for stabilization of PCI express cards plugged into the top connector

## **Supports**

easy access to the PCI express JTAG signals and allows plug in JTAG emulators or "eLoader™" from AMFELTEC Corp. for programming/loading CPLD/FPGA on add in cards during production/development cycle

## **Features:**

- Meets PCI Express 1.1 specification
- Connects to the host computer via standard CAT6 cable and PCI express or ExpressCard interface card
- Supports live insertions for the plug-in board without rebooting the host machine
- Supports external power supply for the generation of all PCI express voltage levels
- Power monitoring and current limiting for the voltages on the PCI express test connector, power shuts-off automatically when overcurrent is detected
- IEEE-1149.1 JTAG Boundary Scan port is available to support system and board level testing
- Mechanical stabilization (US patent 7,255,570) for add-in PCI express cards in cases where it can not be held by the bracket
- RoHS compliant



## **Software**

- Hot swap software for Linux, FreeBSD, Windows.