

# PCI Express Extender

*Designed by Engineers for Engineers*

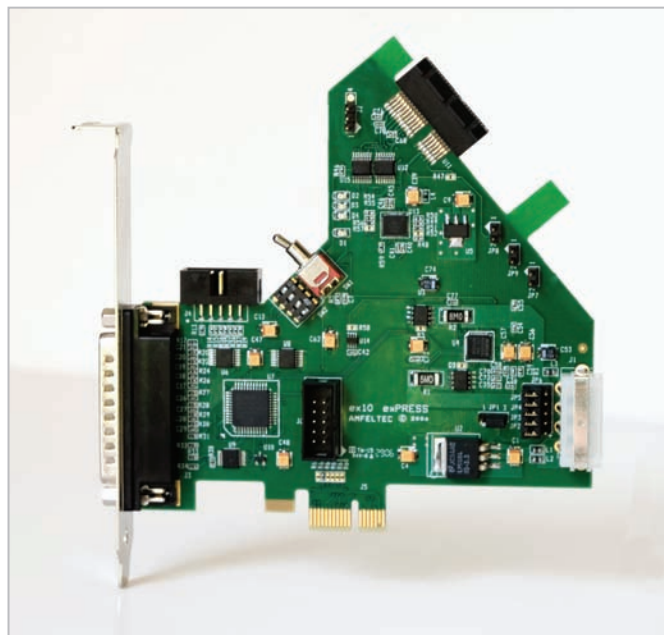
PCI Express Extender with integrated logic, supporting debugging and verification PCI express boards. The Extender provides a complete PCI express debugging platform that allows easy access to the logic signals, overcurrent protection and hot-swap capability.

## Features:

- Meets PCI Express 1.1 specification
- PCI Express 2.5 Gbps per direction
- PCI Express Single-line Port
- Supports live insertions for the plug-in board, that does not require to reboot host machine
- Provides programmable equalization, amplification and de-emphasis
- 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 automatically shuts-off when overcurrent are detected
- Master I2C and SPI operation
- Implements Universal FPGA ByteBlaster functionality for the different types of FPGA (like Xilinx, Altera, Lattice)
- IEEE-1149.1 JTAG Boundary Scan port is available to support system and board level testing
- Supports 2U and standard computer cases

## Software

- Software for Linux, FreeBSD, Windows.



### **Built-in**

Universal ByteBlaster for support different FPGA/CPLD vendors

### **Built-in**

I2C/SPI control logic

### **Easy**

plug-in / plug-out test PCI express board with cables in any computer case (U.S. Patent 7,186,145)

### **Unique**

mechanical support mechanism for stabilizing PCI Express board plugged into the top connector (U.S. Patent 7,255,570)

