

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)

