

# PCI Express Expansion Backplane

*Designed by Engineers for Engineers*

The PCI Express Expansion Backplane is ideal for production, development, and verification of PCI express boards. It is a versatile platform that allows easy access to the logic signals, overcurrent protection and hot-swap capability.

## Features:

- Easy Plug and Play installation
- Connects to the host computer via 7 ft CAT6 cable and PCI express interface card
- Compliant with PCI express Base Specification 1.1
- Four x1 PCI express slots
- Supports power down and reset of inserted plug-in boards, without rebooting host machine
- Powered by standard ATX Power Supply (standard 20 or 24 pin connector)
- Independent power monitoring and current limiting for the voltages on each PCI express slot, automatically shuts down power when overcurrent is detected
- Independent access to the PCI express bus JTAG Boundary Scan signals to support board level testing / programming
- Supports mounting holes based on ATX Specification 2.0
- Supports mechanical stabilization (U.S. 7,255,750) for add-in PCI express cards in cases where it cannot be held by the bracket
- RoHS compliant

## Software

- Software for Linux, FreeBSD, Windows OS.



## Expands

one standard x1 PCI express slot of the regular host computer into 4 x1 PCI express slots

## Implements

patented mechanical support mechanism for PCI express cards stabilization

## Easy access

allows rapid testing of PCI express boards without powering down host computer

