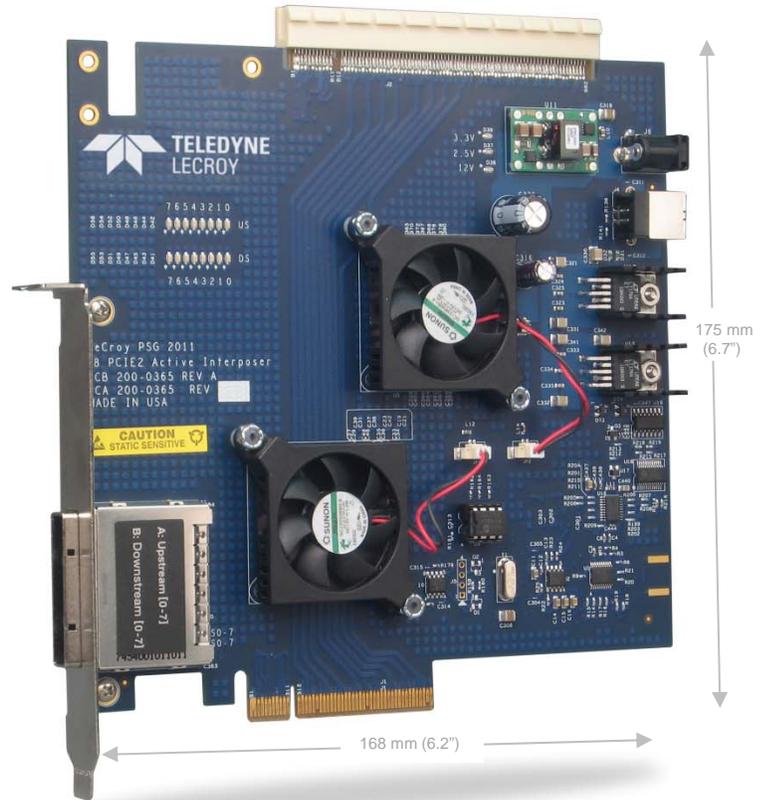


Gen2 x8 Active Interposer for PCI Express® 2.0

Active Interposer Allows
Reliable Probing of
PCI Express Traffic with
Quick, Simple Setup!



Specifications

Dimensions	168 x 175 mm (6.2" x 6.7")
Lane Width	x1, x4, or x8
Data Rates	2.5 GT/s (Gen1) and 5 GT/s (Gen2)

Ordering Information

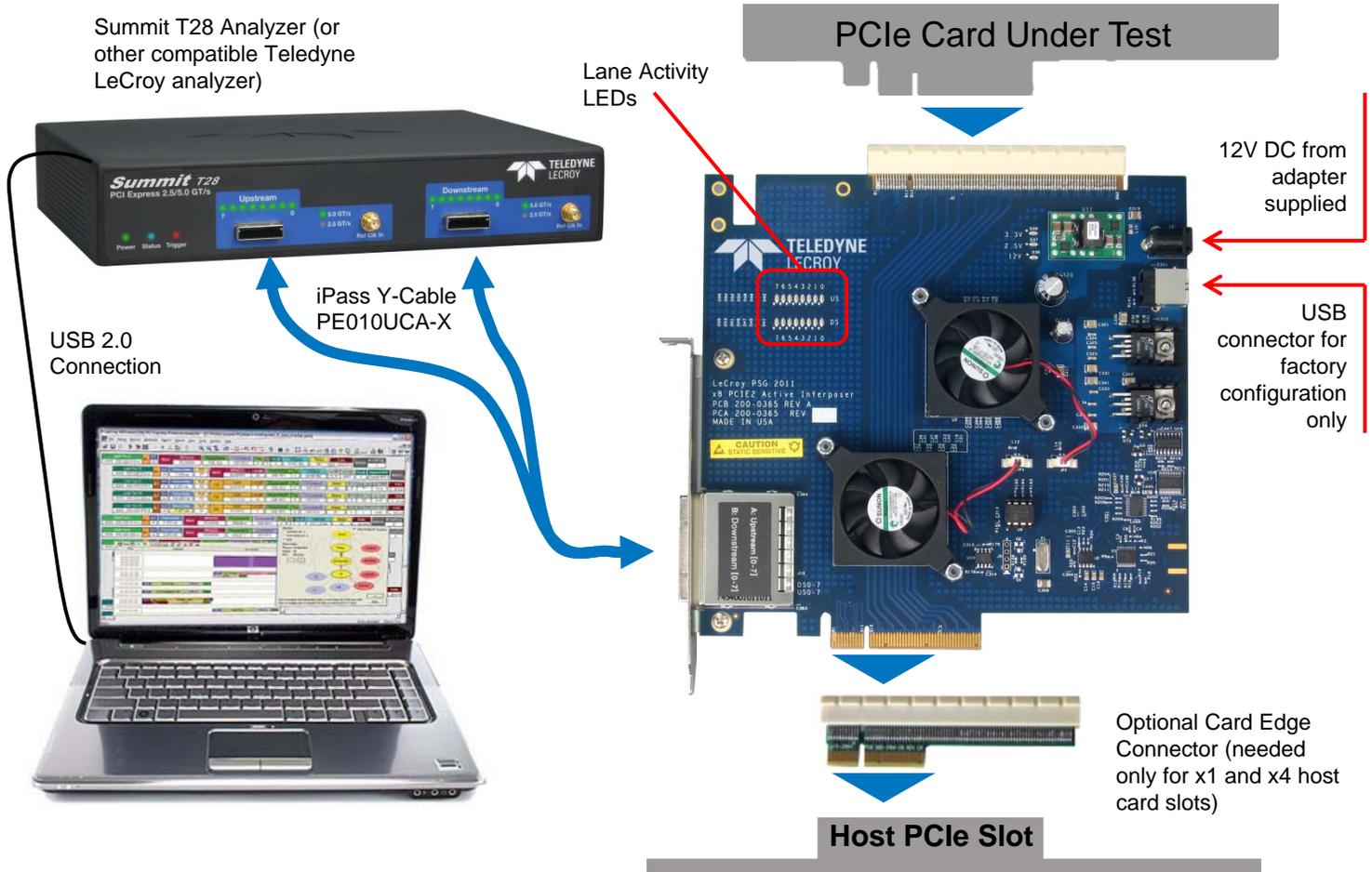
Product Description	Product Code
Active G2x8 Interposer Kit, includes Active x8 Interposer, iPass Y-Cable, x1 and x4 edge adapters	PE068UIA-X
Active G2x8 Interposer Card (no cables or adapters)	PE069UIA-X

The Teledyne LeCroy Gen2 x8 Active Interposer provides an economical means to probe PCI Express traffic between a host and PCIe® expansion card. The interposer assures reliable data transmission while providing 100% capture of all data traffic flowing through the PCIe slot interface. Connecting the interposer to a Teledyne LeCroy analyzer allows decoding and display of data flowing in both directions and across all lanes, and will display data traffic using the industry-standard CATC Trace™ data display, along with a wide range of traffic and error reports.

The Gen2 x8 Active Interposer supports data rates of 2.5 GT/s (Gen1) and 5.0 GT/s (Gen2), and lane widths up to x8 (the PCIe connector on the card will support PCIe expansion cards up to x16, but the lane width will be negotiated down to a maximum of x8 when passing through the interposer card). The interposer can be used with host PCIe expansion slots as small as x1 by using card edge reducer adapters (see diagram on following page).

The Gen2 x8 Active Interposer is a powerful and versatile tool for all developers working with Gen2 PCIe expansion cards.

Gen2 x8 Active Interposer Interconnection Overview



Connecting the Gen2 x8 Active Interposer

1. Install the Interposer into the host system PCIe connector, using a card edge reducer adapter if needed (for x4 and x1 PCIe slots only).
2. Install the PCIe expansion card under test (DUT) into the connector on the interposer. Note that PCIe expansion cards with edge connectors up to x16 can fit the connector on the interposer, but the maximum lane width that can be negotiated for traffic flowing through the interposer is x8.
3. Connect 12V DC using the AC adapter supplied with the interposer. Make sure that the AC adapter is turned on.
4. Connect the Summit T28 Analyzer (or other compatible Teledyne LeCroy analyzer) to the interposer using an iPass Y-cable (or PE013ACA-X iPass x4-to-x8 Straight Cable for use with Summit T24 and T34 for x4 lane widths).
5. Connect the analyzer to a host computer system using the USB 2.0 port on the back panel of the Summit analyzer.
6. Install the software on the host system.
7. Power on the analyzer.
8. Power on the host system.
9. Use the Teledyne LeCroy software application to monitor, record and view PCI Express traffic in the PCI expansion card DUT system.

System Compatibility	
Summit T3-16	✓
Summit T3-8	✓
Summit T34	✓
Summit T28	✓
Summit T24	✓



1-800-909-7211
teledyneleeroy.com

Local sales offices are located throughout the world.
Visit our website to find the most convenient location.