

PCI Express® 6.0 x8 CEM Interposer



Key Features

- Quick and simple set-up
- Allows capturing and decoding of all PCIe traffic between host and device
- TAP 6 technology for non-intrusive Probing
- Supports SMBus
- Supports bifurcated lane testing
- Includes DUT support mechanism
- Gen6x8 Interposer supports: PWRBRK#,
 - PERST#, WAKE#, CLKREQ# sideband signals
- Supports CXL Protocol
- Supports NVMe Protocol

The Teledyne LeCroy PCI Express CEM Interposer provides a simple and easy-to-use way to probe traffic up to 64GT/s for PCIe® 6.0 based products between a host and PCIe add-in card with the next generation PCIe protocol analyzer.

Connecting this interposer to a Teledyne LeCroy Summit PCIe 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 PCIe 6.0 CEM x8 Interposer supports data rates of 2.5, 5.0, 8.0, 16.0, 32.0 and 64 GT/s and supports link widths of up to x8. New TAP6 acquisition technology from Teledyne LeCroy is making it possible for accurate capture at up to PCIe 6.0 data rates for protocol analysis. This is done by reducing signal integrity issues and enhancing fidelity capabilities for protocol transmission acquisition.

The PCIe 6.0 CEM x8 Interposer is a powerful and versatile tool for all developers working on devices that support up to 64GT/s data rates in their development projects.

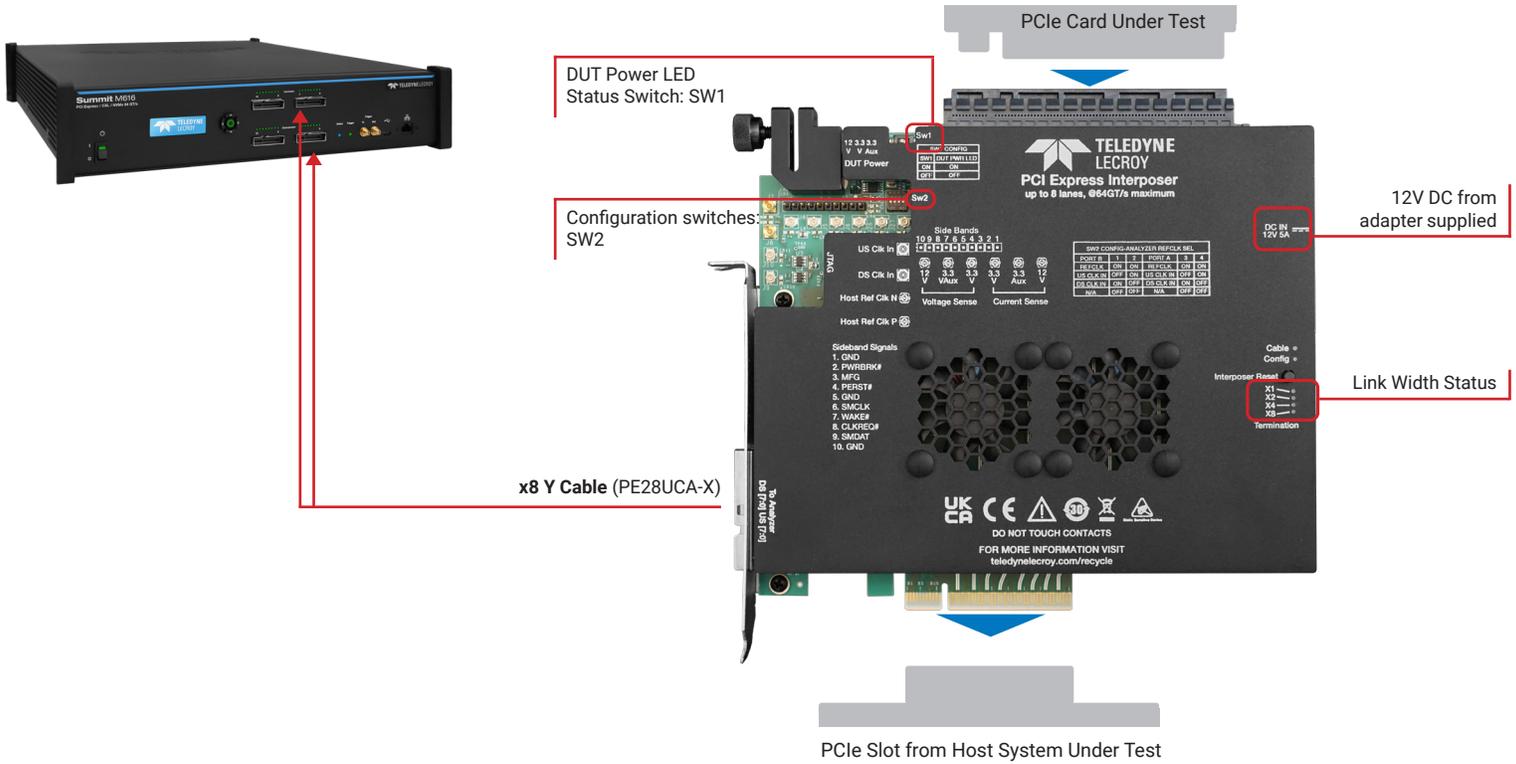
The PCIe 6.0 CEM Interposer will work with Summit T48, T416, M5x, T54, T516 and M616 protocol analyzers.

Specifications

Dimensions	169.6 x 157.3mm (6.68" x 6.19")
Link Width	x8
Data Rates	2.5 GT/s, 5.0 GT/s, 8.0 GT/s, 16.0 GT/s, 32.0 GT/s, 64.0 GT/s
Environmental	Temperature (operating): 5° to 40°C (41° to 104°F)
	Temperature (non-operating): -20° to 60°C (-4° to 140° F)
	Humidity (operating): 5% to 80% RH (non-condensing) at <=30°C, 50% max RH (non-condensing) at 40°C
	Humidity (non-operating): 5% to 95% max RH (non-condensing)



Note: Diagram depicts x8 interposer used with various analyzer platforms. For more configuration information, see Quick Start Guide.



PCIe 6.0 CEM x8 Interposer Analyzer and Cable Compatibility		
Analyzer Platform		Cable Requirement(s)
	Summit T48 Protocol Analyzer (Standard)	PE031UCA-X (Y-Cable)
	Summit T48 Protocol Analyzer (Multiport)	PE030UCA-X (Straight Cable)
	Summit T416 Protocol Analyzer (Standard)	PE031UCA-X (Y-Cable)
	Summit T416 Protocol Analyzer (Multiport)	PE030UCA-X (Straight Cable)
	Summit T54 Protocol Analyzer (G5 PHY)	PE027UCA-X (Straight Cable)
	Summit M5x Protocol Analyzer	PE029UCA-X (Y-Cable)
	Summit T516 Protocol Analyzer (Standard)	PE028UCA-X (Y-Cable)
	Summit T516 Protocol Analyzer (Multiport)	PE027UCA-X (Straight Cable)
	Summit M616 Protocol Analyzer (Standard)	PE028UCA-X (Y-Cable)
	Summit M616 Protocol Analyzer (Multiport)	PE027UCA-X (Straight Cable)

Ordering Information

Product Description

PCIe 6.0 CEM x8 Interposer

Product Code

PE6108UIA-X



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1-800-5-LeCroy • teledynelecroy.com



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