

**PLX Technology, Inc.**

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[www.plxtech.com/pcie](http://www.plxtech.com/pcie)

**PCI Express® I/O Interconnect Bridges**

PLX Technology offers high performance PCI Express (PCIe) ExpressLane™ bridges that enable designers to migrate legacy PCI, PCI-X, and Local bus interfaces to the high-speed, serial, PCI Express architecture.

The PEX 8111 is the world's smallest, lowest power PCIe bridge that provides a x1 PCI Express link and a parallel bus segment supporting conventional PCI operation.

The PEX 8114 is the most flexible PCIe bridge equipped with a standard PCI Express port that scales to x1, x2, or x4 and a parallel bus segment supporting the PCI-X protocol or conventional PCI operation.

The PEX 8311 is a multipurpose bridge that includes a x1 PCI Express link to 32-bit, 66 MHz Generic Local Bus, enabling scalable high bandwidth to a variety of embedded systems.

All PLX PCI Express Bridges are in full production now.

Contact PLX today at [www.plxtech.com/contact](http://www.plxtech.com/contact) or dial 1-800-759-3735.

PCI Express is a registered trademark of the PCI-SIG.

**FEATURES**

- › Each device includes integrated 2.5 Gbps PCI Express
- › 1.0a-compliant PHYs
- › Each device's PCI Express port is compliant with the PCI-SIG specification 1.0a with polarity reversal
- › PEX 8111 and 8114 support forward/reverse bridging; reverse-mode allows legacy PCI/PCI-X systems to connect to PCIe endpoints
- › PEX 8111's 10 mm x 10 mm package is ideal for applications with limited board space and power budget
- › PEX 8311 offers direct connection to two industry-standard interconnect buses
- › PEX 8311 includes two DMA channels to offload CPU, increasing I/O performance without degrading system performance
- › PEX 8111 is available in a 144-ball PBGA and 161-ball fine pitch PBGA packages, in both leaded and lead-free options
- › PEX 8114 is available in a 256-ball PBGA
- › PEX 8311 is available in a 337-ball PBGA
- › PLX ExpressLane PCIe bridges are listed on the PCI-SIG Integrator's list, certifying compliance to the PCI Express standard
- › PLX PCIe bridges undergo a broad range of interoperability tests, assuring trouble-free operation with available chipsets and endpoints
- › All PLX PCI Express bridges are in full production now. Contact PLX today at [www.plxtech.com/contact](http://www.plxtech.com/contact) or dial 1-800-759-3735