



The Industry's Most Flexible, Feature-Rich PCI Express Bridge and Switch Product Family

ExpressLane™ PCI Express (PCIe) Product Family offers fully configurable switches with Non-Transparent bridge function and forward/reverse bridges. Our PCIe switches and bridges are fully-compliant with the PCI Express Base 1.0a, 1.1 and 2.0 specifications.

Switches

- ▶ Offer Highly Flexible Port Configurations
- ▶ Enable Low Latency Transfers
- ▶ Provide Non-Transparent Port Capability
- ▶ Allow Host-Centric and True Peer-to-Peer Data Transfers
- ▶ Industry's Lowest Power

Bridges

- ▶ Enable Forward and Reverse Bridging
- ▶ Provide Advanced Error Reporting Capability
- ▶ Lowest Power
- ▶ Smallest Footprint
- ▶ Full PCI and PCIe Compliance

ExpressLane Bridges	Description
OXPCIe958	PCIe Serial Bridge - UART
OXPCIe954	PCIe Serial Bridge - UART
OXPCIe952	PCIe Serial Bridge - UART
OXPCIe840	PCIe Serial Bridge - UART
OXPCIe200	PCIe to USB and UART
PEX 8311	Local Bus to PCIe
PEX 8114	PCIe to PCI-X
PEX 8112	PCIe to PCI
PEX 8111	PCIe to PCI

PCI-SIG® Base Spec.	ExpressLane Switches	Lanes	Ports
Gen 1	PEX 8548	48	9
Gen 1	PEX 8547	48	3
Gen 1	PEX 8533	32	6
Gen 1	PEX 8532	32	8
Gen 1	PEX 8525	24	5
Gen 1	PEX 8524	24	6
Gen 1	PEX 8518	16	5
Gen 1	PEX 8517***	16	5
Gen 1	PEX 8516**	16	4
Gen 1	PEX 8512	12	5
Gen 1	PEX 8509	8	8
Gen 1	PEX 8508	8	5
Gen 1	PEX 8505	5	5

PCI-SIG® Base Spec.	ExpressLane Switches	Lanes	Ports
Gen 2	PEX 8696	96	24
Gen 2	PEX 8680	80	20
Gen 2	PEX 8664	64	16
Gen 2	PEX 8649	48	12
Gen 2	PEX 8648	48	12
Gen 2	PEX 8647	48	3
Gen 2	PEX 8636	36	24
Gen 2	PEX 8632	32	12
Gen 2	PEX 8625	24	24
Gen 2	PEX 8624	24	6
Gen 2	PEX 8619	16	16
Gen 2	PEX 8618	16	16
Gen 2	PEX 8617	16	4
Gen 2	PEX 8616	16	4
Gen 2	PEX 8615	12	12
Gen 2	PEX 8614	12	12
Gen 2	PEX 8613	12	3
Gen 2	PEX 8612	12	3
Gen 2	PEX 8609	8	8
Gen 2	PEX 8608	8	8
Gen 2	PEX 8606	6	6
Gen 2	PEX 8604	4	4