

Products at a Glance

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PLX Technology, Inc. (www.plxtech.com), based in Sunnyvale, Calif., USA, is the world's leading supplier of PCI Express and other standard I/O interconnect semiconductors to the communications, server, storage, embedded-control, and consumer markets. The company provides a competitive advantage through an integrated combination of experience, high-performance silicon, hardware and software design tools, and global partnerships. These innovative solutions enable our customers to develop equipment with industry-leading performance, scalability and reliability that allows them to bring designs to market faster. PLX chips offer the lowest power and latency, highest performance, broadest selection and features.

PCI EXPRESS ExpressLane™ Switches

Part Number	Lanes	Ports	Hot-Plug Controllers	Virtual Channels	Non-Transparency	Latency (ns)	Power (W) Typ.	Power (W) Max.	Package Size (mm)	PBGA Package
PEX 8505	5	5	3	1	No	138	0.8	1.4	15 x 15	196-ball
PEX 8508	8	5	5	2	Yes	150	1.6	2.5	19 x 19	296-ball
PEX 8509	8	8	3	1	No	118	1.2	1.8	15 x 15	196-ball
PEX 8512	12	5	5	2	Yes	150	2.2	3.2	23 x 23	376-ball
PEX 8516	16	4	4	2	Yes	275	3.2	4.3	27 x 27	312-ball
PEX 8517	16	5	4	2	Yes	150	2.6	3.6	27 x 27	312-ball
PEX 8518	16	5	5	2	Yes	150	2.6	3.6	23 x 23	376-ball
PEX 8524	24	6	6	2	Yes	275	3.9	6.1	31 x 31	644-ball
PEX 8525	24	5	3	1	No	115	2.6	3.8	31 x 31	644-ball
PEX 8532	32	8	8	2	Yes	275	5.7	7.4	35 x 35	680-ball
PEX 8533	32	6	3	1	No	115	3.3	4.8	35 x 35	680-ball
PEX 8547	48	3	0	1	No	110	4.9	7.1	37.5 x 37.5	736-ball
PEX 8548	48	9	3	1	No	110	4.9	7.1	37.5 x 37.5	736-ball

PCI EXPRESS ExpressLane™ Bridges

Part Number	Lanes	Bus Interface	Reverse	Forward	Power	PCI Masters	GPIO	Package Size (mm)	PBGA Package
PEX 8111	1	PCIe to PCI	Yes	Yes	400mW	4	4	10 x 10	161-ball
								13 x 13	144-ball
PEX 8112	1	PCIe to PCI	Yes	Yes	400mW	4	4	10 x 10	161-ball
								13 x 13	144-ball
PEX 8114	4	PCIe to PCI-X	Yes	Yes	2W	4	0	17 x 17	256-ball

PCI EXPRESS ExpressLane™ Bridge to Local Bus

Part Number	Lanes	Description	DMA Channels	Integrated SerDes	Power	Root Complex Mode	Package Size (mm)	PBGA Package
PEX 8311	1	8/16/32-bit, 66 MHz	2	Yes	1W	Yes	21 x 21	337-ball



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FastLane™ PCI to PCI, & PCI to PCI-X Bridges



Part Number	PCI to	PCI Bus Type	Local Bus Support	Power	GPIO	Asynchronous	Package Size (mm)	Package Type
PCI 6140	PCI	32-bit, 33 MHz	Rev. 2.1	200mW	0	No	23 x 17	128-pin PQFP
PCI 6150	PCI	32-bit, 66 MHz	Rev. 3.0	1.8W	4	Yes: 25-66 MHz	17 x 17	256-ball PBGA
							31 x 31	208-pin PQFP
PCI 6152	PCI	32-bit, 66 MHz	Rev. 2.2	300mW	4	No	15 x 15	160-ball Tiny BGA
							32 x 32	160-pin PQFP
PCI 6154	PCI	64-bit, 66 MHz	Rev. 3.0	2W	4	Yes: 25-66 MHz	31 x 31	304-ball PBGA
PCI 6254	PCI	64-bit, 66 MHz	Rev. 3.0	2W	16	Yes: 25-66 MHz	31 x 31	365-ball PBGA
PCI 6466	PCI	64-bit, 66 MHz	Rev. 3.0	1W	16	Yes: 25-66 MHz	27 x 27	380-ball PBGA
PCI 6520	PCI-X	64-bit, 133 MHz	Rev. 3.0	2.4W	8	Yes: 25-133 MHz	27 x 27	380-ball PBGA
PCI 6540	PCI-X	64-bit, 133 MHz	Rev. 3.0	3.0W	16	Yes: 25-133 MHz	27 x 27	380-ball PBGA



PCI to Local Bus I/O Accelerators

Part Number	PCI Bus Type	Local Bus Speed (max)	Core Voltage	PICMG Support	Industrial Temperature	Package Size (mm)	Package Type
PCI 9030	32-bit, 33 MHz, PCI r2.2	60 MHz	3.3V	r2.0 Hot-Swap	Yes	26 x 26	176-pin PQFP
						12 x 12	180-ball µBGA
PCI 9052	32-bit, 33 MHz, PCI r2.1	40 MHz	5.0V	--	Yes	31.2 x 31.2	160-pin PQFP
PCI 9054	32-bit, 33 MHz, PCI r2.2	50 MHz	3.3V	r2.0 Hot-Swap	Yes	26 x 26	176-pin PQFP
						27 x 27	225-ball PBGA
PCI 9056	32-bit, 66 MHz, PCI r2.2	66 MHz	2.5V	r2.0 Hot-Swap	Yes	17 x 17	256-ball PBGA
PCI 9656	64-bit, 66 MHz, PCI r2.2	66 MHz	2.5V	r2.0 Hot-Swap	Yes	27 x 27	272-ball PBGA



NetChip™ USB 2.0 High Speed Controllers



Part Number	CPU Interface	Performance	Active Power	Suspended Power	I/O Voltage	Package Size (mm)	Package Type
NET 2270	8/16-bit, Asynchronous Local Bus	Up to 40MB per second			3.3V to 5V	10 x 10	64-pin TQFP
NET 2272	8/16-bit, Asynchronous Local Bus	Up to 40MB per second	186mW	8.1µW	1.8V to 5V	10 x 10	64-pin TQFP
						6 x 6	64-ball FBGA
NET 2280	32-bit, 33 MHz, PCI v3.0 Compliant	Up to 40MB per second	260mW	0.25µW	3.3V to 5V	14 x 14	120-pin TQFP
						8 x 8	121-ball FPBGA
NET 2282	32-bit, 66 MHz, PCI v3.0 Compliant	Up to 40MB per second	220mW	316µW	3.3V to 5V	14 x 14	120-pin TQFP