



PCI Express Switches : Overview

The Industry's Broadest Range of PCI Express Switch Devices

PCI-SIG Base Spec.	Part Number	Lanes	Ports	Hot-Plug Controllers	Non-Transparency	Latency (ns)	Power (W) Typ.	Package Size (mm)
Gen 1	PEX 8505	5	5	3	No	138	0.8	15 x 15
Gen 1	PEX 8508	8	5	5	Yes	150	1.6	19 x 19
Gen 1	PEX 8509	8	8	3	No	118	1.2	15 x 15
Gen 1	PEX 8512	12	5	5	Yes	150	2.2	23 x 23
Gen 1	PEX 8516*	16	4	4	Yes	275	3.2	27 x 27
Gen 1	PEX 8517**	16	5	4	Yes	150	2.6	27 x 27
Gen 1	PEX 8518	16	5	5	Yes	150	2.6	23 x 23
Gen 1	PEX 8524	24	6	6	Yes	275	3.9	31 x 31
Gen 1	PEX 8525	24	5	3	No	115	2.6	31 x 31
Gen 1	PEX 8532	32	8	8	Yes	275	5.7	35 x 35
Gen 1	PEX 8533	32	6	3	No	115	3.3	35 x 35
Gen 1	PEX 8547	48	3	0	No	110	4.9	37.5 x 37.5
Gen 1	PEX 8548	48	9	3	No	110	4.9	37.5 x 37.5
Gen 2	PEX 8612	12	3	2	Yes	150	2	19 x 19
Gen 2	PEX 8616	16	4	2	Yes	150	2.2	19 x 19
Gen 2	PEX 8624	24	6	3	Yes	145	3	19 x 19
Gen 2	PEX 8632	32	12	3	Yes	145	2.8	27 x 27
Gen 2	PEX 8648	48	12	3	Yes	140	4	27 x 27

* Not Recommended for New Designs. Use PEX 8518. Please use PEX 8518 for new designs.

** Recommended only for Designs Migrating from the PEX 8516.

^ PEX 8524 is also available in 35 x 35mm packaging.