

2.5.3 Interrupt assignments

Standard Interrupt assignments

IRQ	Priority	Standard function
0	1	System Timer
1	2	Keyboard Controller
2	-	Programmable Interrupt
3*	11	Communications Port (COM2)
4*	12	Communications Port (COM1)
5*	13	--
6	14	Floppy Disk Controller
7*	15	--
8	3	System CMOS/Real Time Clock
9*	4	ACPI Mode when used
10*	5	IRQ Holder for PCI Steering
11*	6	IRQ Holder for PCI Steering
12*	7	PS/2 Compatible Mouse Port
13	8	Numeric Data Processor
14*	9	Primary IDE Channel
15*	10	Secondary IDE Channel

* These IRQs are usually available for ISA or PCI devices.

2.5.4 PCI Express x16 slot (x16 link)

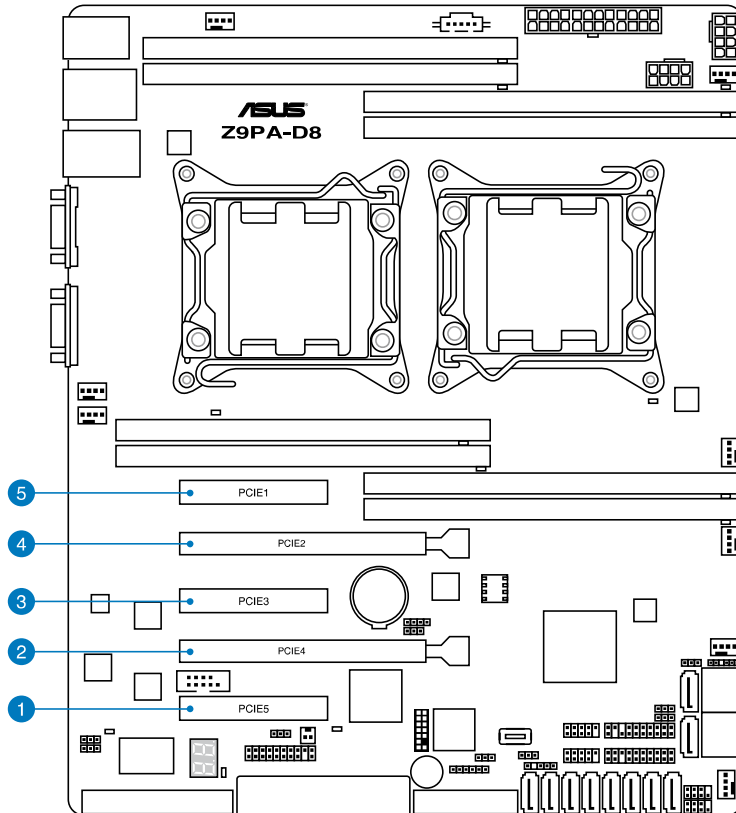
The onboard PCIE2 (slot location 5) and 4 (slot location 3) slots provides one x16 Gen3 link to CPU1 and auto switches to x8 link if PCIE1/3 is occupied. This slot supports VGA cards and various server class high performance add-on cards.

2.5.5 PCI Express x8 slot (x8 link)

The onboard PCIE1 (slot location 6), 2 (slot location 5), 3 (slot location 4) and 4 (slot location 3) slots provide one x8 Gen3 link to CPU1. These slots support VGA Cards and various server class high performance add-on cards.

2.5.6 PCI Express x8 slot (x4 link)

The onboard PCIE5 (slot location 2) provide one x4 Gen2 link to Intel C602 PCH. This slot support various server class high performance add-on cards.



No.	Slot Description
5 (slot 6)	PCI-E x8 (x8 Gen3 Link), MIO-892 supported
4 (slot 5)	PCI-E x16 (x16 Gen3 Link)(Audio switch to x8 Link if slot 6 is occupied)
3 (slot 4)	PCI-E x8 (x8 Gen3 Link)
2 (slot 3)	PCI-E x16 (x16 Gen3 Link)(Audio switch to x8 Link if slot 4 is occupied)
1 (slot 2)	PCI-E x8 (x4 Gen2 Link)

2.5.7 PIKE slots (Z9PA-D8 SKU only)

The PIKE slot allows you to choose and change your preferred SAS solution easily. Install an optional ASUS PIKE RAID card based on your needs.