



Expansion Cards for Dell PowerEdge R910, R815, and R715 Systems— Information Update

This update supersedes the information provided in the *Hardware Owner's Manual* at support.dell.com/manuals.

The following tables provide a guide for installing expansion cards to ensure proper cooling and mechanical fit. The expansion cards with the highest priority must be installed first using the slot priority indicated. All other expansion cards must be installed in card priority and slot priority order.

Table 1. Expansion-Card Installation Priority - Dell PowerEdge R910

Card Priority	Card Type	Slot Priority Without a PCIe Riser	Slot Priority With a PCIe Riser	Max Allowed
1	PERC H800	2, 3, 4, 6, 7,1	2, 3, 4, 6, 1	2
2	6 Gbps SAS HBA	2, 3, 4, 6, 7,1	2, 3, 4, 6, 1	2
3	SAS 5/E Adapter	2, 3, 4, 6, 7	2, 3, 4, 6	2
4	10 Gb NICs	2, 3, 4, 6, 7	2, 3, 4, 6	4
5	16G Fibre Channel	1, 2, 3, 4, 6, 7	1, 7, 8, 9, 10, 2, 3, 4, 6	2
6	8G Fibre Channel (single port)	1, 2, 3, 4, 6, 7	1, 7, 8, 9, 10, 2, 3, 4, 6	4
7	8G Fibre Channel (dual port)	2, 3, 4, 6, 7	2, 3, 4, 6	2
8	4G Fibre Channel	5, 1, 2, 3, 4, 6, 7	5, 1, 7, 8, 9, 10, 2, 3, 4, 6	4-6
9	SCSI HBA	5, 1, 2, 3, 4, 6, 7	5, 1, 7, 8, 9, 10, 2, 3, 4, 6	2

Table 1. Expansion-Card Installation Priority - Dell PowerEdge R910

Card Priority	Card Type	Slot Priority Without a PCIe Riser	Slot Priority With a PCIe Riser	Max Allowed
10	1 Gb NICs (Generation 1 adapters)	5, 1, 2, 3, 4, 6, 7, 1	5, 1, 7, 8, 9, 10, 2, 3, 4, 6	10
11	1 Gb NICs (Generation 2 adapters)	5, 1, 2, 3, 4, 6, 7, 1	1, 7, 8, 9, 10, 5, 2, 3, 4, 6	10

Table 2. Expansion-Card Installation Priority - Dell PowerEdge R815

Card Priority	Card Type	Slot Priority	Max Allowed
1	PERC H800	6,5	2
2	PERC 6/E	6,5	2
3	SAS 5/E	6,5	2
4	10 Gb NICs	6,5,1,2	2
5	Converged Network Adapters (CNA)	6,5,1,2	2
6	16G Fibre Channel	6,5,1,2	2
7	8G Fibre Channel (dual port)	6,5,1,2	2
8	8G Fibre Channel (single port)	6,5,1,2	4
9	6 Gbps SAS HBA	6,5,1,2	2
10	4G Fibre Channel (single port)	2,1,6,5	2-4
11	4G Fibre Channel (dual port)	2,1,6,5	2-4
12	SCSI HBA	2,1,6,5	2
13	1 Gb NICs	2,1,6,5,3,4	2-4

Table 3. Expansion-Card Installation Priority - Dell PowerEdge R715

Card Priority	Card Type	Slot Priority	Max Allowed
1	PERC H800	6,5	2
2	PERC 6/E	6,5	2
3	SAS 5/E	6,5	2
4	10 Gb NICs	6,5,1,2	2
5	Converged Network Adapters (CNA)	6,5,1,2	2
6	16G Fibre Channel	6,5,1,2	2
7	8G Fibre Channel (dual port)	6,5,1,2	2
8	8G Fibre Channel (single port)	6,5,1,2	4
9	6 Gbps SAS HBA	6,5,1,2	2
10	4G Fibre Channel (single port)	2,1,6,5	4
11	4G Fibre Channel (dual port)	2,1,6,5	4
12	SCSI HBA	2,1,6,5	2
13	1 Gb NICs	2,1,6,5,3,4	4

For more information on expansion card installation guidelines, see your system's *Hardware Owner's Manual* at support.dell.com/manuals.