

PERC cards

Model & Form Factors	Interface Support	PCI Support	SAS Connection	Cache Memory Size	Write Back Cache	RAID Levels	Max Drive Support	RAID Support
PowerEdge Server-Storage Controllers (PERC & SAS HBA) Series 11								
H755 Adapter (SAS/SATA or NVMe)	12Gb/s SAS 6Gb/s SAS/SATA 3Gb/s SAS/SATA Gen3 (8 GT/s) NVMe Gen4 (16 GT/s) NVMe	PCIe Gen 4	16-ports/lanes 2×8 Internal	8GB NV	Flash Backed Cache	0,1,5,6,10,50,60	16/controller 50 with SAS Expander *Platform limit 8/per controller	Hardware RAID
H750 Adapter	12Gb/s SAS 6Gb/s SAS/SATA 3Gb/s SAS/SATA *SAS/SATA ONLY	PCIe Gen 4	8 ports- 1×8 Internal	8GB NV	Flash Backed Cache	0,1,5,6,10,50,60	16/controller 50 with SAS Expander *Platform limit	Hardware RAID
H755N Front (NVMe Only)	Gen3 (8 GT/s) NVMe Gen4 (16 GT/s) NVMe	PCIe Gen 4	16 lanes- 2×8 Internal	8GB NV	Flash Backed Cache	0,1,5,6,10,50,60	8/per controller	Hardware RAID
H755 Front (SAS/SATA Only)	12Gb/s SAS 6Gb/s SAS/SATA 3Gb/s SAS/SATA	PCIe Gen 4	16 ports- 2×8 Internal	8GB NV	Flash Backed Cache	0,1,5,6,10,50,60	16/controller 50 with SAS Expander *Platform limit	Hardware RAID
H755 MX (SAS/SATA or NVMe)	12Gb/s SAS 6Gb/s SAS/SATA 3Gb/s SAS/SATA	PCIe Gen 4	16 ports- 2×8 Internal	8GB NV	Flash Backed Cache	0,1,5,6,10,50,60	16/controller 50 with SAS Expander *Platform limit	Hardware RAID
HBA355 Adapter (internal)	12Gb/s SAS 6Gb/s SAS/SATA 3Gb/s SAS/SATA	PCIe Gen 4	16 ports- 2×8 Internal	N/A	N/A	N/A	16/controller 50 with SAS Expander *Platform limit	N/A
HBA355 Front (internal)	12Gb/s SAS 6Gb/s SAS/SATA 3Gb/s SAS/SATA	PCIe Gen 4	16 ports- 2×8 Internal	N/A	N/A	N/A	16/controller 50 with SAS Expander *Platform limit	N/A

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PowerEdge Server-Storage Controllers (PERC & SAS HBA) Series 11								
HBA350 Adapter (internal)	12Gb/s SAS 6Gb/s SAS/SATA 3Gb/s SAS/SATA	PCIe Gen 4	8 ports- 1×8 Internal	N/A	N/A	N/A	8/controller 50 with SAS Expander *Platform limit	N/A
HBA355e Adapter (external)	12Gb/s SAS 6Gb/s SAS/SATA 3Gb/s SAS/SATA	PCIe Gen 4	16 ports- 4×4 External	N/A	N/A	N/A	240	N/A
HBA350 MX (internal)	12Gb/s SAS 6Gb/s SAS/SATA 3Gb/s SAS/SATA	PCIe Gen 4	8 ports- 1×8 Internal	N/A	N/A	N/A	8 *Platform limit	N/A
H350 Adapter	12Gb/s SAS 6Gb/s SATA	PCIe Gen 4	8 ports- 1×8 Internal	No Cache	No Cache	0,1,10 Note1	Up To 32 RAID, or 32 Non-RAID	Hardware RAID
H355 Adapter	12Gb/s SAS 6Gb/s SATA	PCIe Gen 4	16 ports- 2×8 Internal	No Cache	No Cache	0,1,10 Note1	Up To 32 RAID, or 32 Non-RAID	Hardware RAID
H355 Front	12Gb/s SAS 6Gb/s SATA	PCIe Gen 4	16 ports- 2×8 Internal	No Cache	No Cache	0,1,10 Note1	Up To 32 RAID, or 32 Non-RAID	Hardware RAID
PowerEdge Server-Storage Controllers (PERC & SAS HBA) Series 10								
PERC H840	12Gb/s SAS 6Gb/s SATA	PCI-Express 3.1	8 ports- 2×4 External	8GB	Flash Backed Cache	0,1,5,6,10,50,60	Up To 255	Hardware RAID
PERC H740P	12Gb/s SAS 6Gb/s SATA	PCI-Express 3.1	8 ports- 2×4 Internal	8GB	Flash Backed Cache	0,1,5,6,10,50,60	Up To 32	Hardware RAID
PERC H745P	12Gb/s SAS 6Gb/s SATA	PCI-Express 3.1	16 ports- 2×4 Internal 2×4 External (MX5016)	8GB	Flash Backed Cache	0,1,5,6,10,50,60	Up To 32	Hardware RAID
PERC H745	12Gb/s SAS 6Gb/s SATA	PCI-Express 3.1	16 ports- 2×8 Internal	4GB	Flash Backed Cache	0,1,5,6,10,50,60	Up To 32	Hardware RAID
PERC H345	12Gb/s SAS 6Gb/s SATA	PCI-Express 3.1	16 ports- 2×8 Internal	No Cache	No Cache	0,1,10 Note1	Up To 32 RAID, or 32 Non-RAID	Hardware RAID
HBA345 (internal)	12Gb/s SAS 6Gb/s SATA	PCI-Express 3.1	16 ports- 2×8 Internal	No Cache	No Cache	No RAID Pass Thru Only	Up To 32	No RAID SAS HBA
PowerEdge Server-Storage Controllers (PERC & SAS HBA) Series 9								
PERC H730P	12Gb/s SAS 6Gb/s SATA	PCI-Express 3.0	8 ports- 2×4 Internal	2GB	Flash Backed Cache	0,1,5,6,10,50,60	Up to 32	Hardware RAID

Model & Form Factors	Interface Support	PCI Support	SAS Connection	Cache Memory Size	Write Back Cache	RAID Levels	Max Drive Support	RAID Support
PowerEdge Server-Storage Controllers (PERC & SAS HBA) Series 11								
PERC H330	12Gb/s SAS 6Gb/s SATA	PCI-Express 3.0	8 ports- 2×4 Internal	No Cache	No Cache	0,1,5,10,50	Up To 32 RAID, or 32 Non-RAID	Hardware RAID
12Gbps Ext. SAS HBA (external)	12Gb/s SAS	PCI-Express 3.0	8 ports- 2×4 External	No Cache	No Cache	No RAID Pass Thru Only	Up To 240	N/A
HBA330 (internal)	12Gb/s SAS 6Gb/s SATA	PCI-Express 3.0	8-ports- 2×4 Internal	No Cache	No Cache	No RAID Pass Thru Only	Up To 32	N/A
PowerEdge Server-Storage Software RAID								
S150 Software RAID	6Gb/s SATA/ NVMe	N/A	N/A	No Cache	No Cache	0,1,5,10	Up to 12 SATA or 24 NVMe	Software RAID - Windows & Linux (Limited) Note2
S140 Software RAID	6Gb/s SATA/ NVMe	N/A	N/A	No Cache	No Cache	0,1,5,10	Up to 12 SATA or 24 NVMe	Software RAID - Windows & Linux (Limited) Note2

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