

Comparison of Current Generation x86 Blade Servers (Cisco, Dell, HP and Lenovo)

 = top values per group

Cisco

Cisco Model	Form Factor	Max. Servers per Chassis	Type of CPUs
B200 M4	Half Width	8	Intel Xeon E5-2600 v4
B420 M4	Full Width	4	Intel Xeon E5-4600 v4
B260 M4	Full Width	4	Intel Xeon E7-4800 v3
B460 M4	Full Width	2	Intel Xeon E7-4800 v3

Specs Per Server										
Max CPUs	Max Core per CPU	Max Cores per System	# internal drives	Supported Drive Types	Max LAN on Motherboard	# I/O Card Expansion Slots	# of DIMM Slots	Max Memory DIMM (GB)	Max Memory (GB)	
2	22	44	2	SAS, SATA, SSD	VIC 1340 (quad 2-port 10 Gigabit Ethernet)	1	24	64	1536	
4	22	88	4	SAS, SATA, SSD	VIC 1340 (quad 2-port 10 Gigabit Ethernet)	2	48	64	3072	
2	18	36	2	SAS, SATA, SSD	VIC 1340 (quad 2-port 10 Gigabit Ethernet)	2	48	64	3072	
4	18	72	4	SAS, SATA, SSD	VIC 1340 (quad 2-port 10 Gigabit Ethernet)	2	96	64	6144	

Specs Per 42U Rack			
Max # Servers	Max CPUs	Max CPU Cores	Max Memory (GB)
56	112	2464	86,016
28	112	2464	86,016
28	56	1008	86,016
14	56	1008	86,016

Dell

Dell Model	Form Factor	Max. Servers per Chassis	Type of CPUs
FC430	1/4 Width	8	Intel Xeon E5-2600 v4
FC630	Half Width	4	Intel Xeon E5-2600 v4
FC830	Full Width	2	Intel Xeon E5-4600 v4
M630	Half Height	16	Intel Xeon E5-2600 v4
M830	Full Height	8	Intel Xeon E5-4600 v4

Specs Per Server										
# CPU Sockets	Max Core per CPU	Max Cores	# internal drives	Supported Drive Types	Max LAN on Motherboard	# I/O Card Expansion Slots	# of DIMM Slots	Max Memory DIMM (GB)	Max Memory (GB)	
2	18	36	2	SSD	2 x 10GbE	1	8	64	512	
2	22	44	2	SAS, SATA, SSD, PCIe SSD	4 x 10GbE	2	24	64	1536	
4	22	88	12	SAS, SATA, SSD, PCIe SSD	4 x 10GbE	4	48	64	3072	
2	22	44	2	SAS, SATA, SSD, PCIe SSD	4 x 10GbE	2	24	64	1536	
4	22	88	4	SAS, SSD, PCIe SSD*	8 x 10GbE	4	48	64	3072	

Specs Per 42U Rack			
Max # Servers	Max CPUs	Max CPU Cores	Max Memory (GB)
168	336	6048	86,016
84	168	3696	129,024
42	84	1848	129,024
64	128	2816	98,304
32	128	2816	98,304

*PCIe SSD limited to 2 drives

HPE (formerly HP)

HP Model	Form Factor	Max. Servers per Chassis	Type of CPUs
BL460c Gen 9	Half Height	16	Intel Xeon E5-2600 v4
BL660c Gen 9	Full Height	8	Intel Xeon E5-4600 v4
Synergy 480 Gen 9	Half Height	12	Intel Xeon E5-2600 v4
Synergy 620 Gen 9	Full Height	6	Intel Xeon E7 v4
Synergy 660 Gen 9	Full Height	6	Intel Xeon E5-4600 v4
Synergy 680 Gen 9	Full Height, Double-Wide	3	Intel Xeon E7 v4

Specs Per Server										
# CPU Sockets	Max Core per CPU	Max Cores	# internal drives	Supported Drive Types	Max LAN on Motherboard	# I/O Card Expansion Slots*	# of DIMM Slots	Max Memory DIMM (GB)	Max Memory (GB)	
2	22	44	2	SAS, SATA, SSD	2 x 10GbE	2	16	64	1024	
4	22	88	4	SAS, SATA, SSD	4 x 10GbE	3	32	64	2048	
2	22	44	2	SAS, SATA, SSD	2 x 20GbE	2	24	64	1536	
2	24	48	2	SAS, SATA, SSD	2 x 20GbE	4	24	64	1536	
4	22	88	4	SAS, SATA, SSD	2 x 20GbE	5	48	64	3072	
4	24	96	4	SAS, SATA, SSD	2 x 20GbE	9	96	64	6144	

Specs Per 42U Rack			
Max # Servers	Max CPUs	Max CPU Cores	Max Memory (GB)
64	128	2816	65,536
32	128	2816	65,536
48	96	2112	73,728
24	48	1152	36,864
24	96	2112	73,728
12	48	1152	73,728

* reduced one expansion slot on Synergy 600 series servers to account for LAN on Motherboard

Lenovo

Lenovo Model	Form Factor	Max. Servers per Chassis	Type of CPUs
Flex System x240 M5	Single-Wide	14	Intel Xeon E5-2600 v4
Flex System x480 X6	Single-Wide	7	Intel Xeon E7-4800 v3
Flex System x880 X6	Single-Wide	7	Intel Xeon E7-8800 v3

Specs Per Server										
# CPU Sockets	Max Core per CPU	Max Cores	# internal drives	Supported Drive Types	LAN on Motherboard	# I/O Card Expansion Slots	# of DIMM Slots	Max Memory DIMM (GB)	Max Memory (GB)	
2	22	44	2	SAS, SATA, SSD	4 x 10GbE	1	24	64	1536	
2	14	28	2	SAS, SATA, SSD	4 x 10GbE	4	48	32	1536	
2	18	36	2	SAS, SATA, SSD	4 x 10GbE	4	48	32	1536	

Specs Per 42U Rack			
Max # Servers	Max CPUs	Max CPU Cores	Max Memory (GB)
56	112	2464	86,016
28	56	784	43,008
28	56	1008	43,008

NOTICE

The CPU cores shown in chart above represent maximum capabilities of the Intel CPU and does not include features like HyperThreading.

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