

List of Dell PowerEdge Servers

Subjects: [Others](#)

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Dell PowerEdge is a server line by Dell, following the naming convention for other Dell products: the PowerVault (data storage) and the PowerConnect (data transfer & switches). Below is an overview of current and former servers within Dell's PowerEdge product line. Different models are or were available as towers, 19-inch racks or blades. In the current naming scheme, towers are designated by T, racks by R, and blades by M (for modular). The 19" rack-servers come in different physical heights expressed in rack units or U. Most modern servers are either 1U or 2U high while in the past the 4U was more common.

[powervault](#) [modular](#) [dell](#)

1. Model Naming

Over the years, many different types of PowerEdge servers have been introduced and there was wide variety of product and family codes used within the PowerEdge name.

1.1. Itanium Servers

The Dell Itanium-based servers were introduced before this new naming-convention was introduced and were only available as rack servers.

1.2. New Naming Conventions

Three digitsSince the introduction of the Generation 10 servers in 2007 Dell has adopted a standardized method for naming their servers; the name of each server is now represented by a letter followed by 3 digits.^[1] The letter indicates the type of server: **R** (for Rack-mountable) indicates a 19" rack-mountable server, **M** (for Modular) indicates a blade server, whilst **T** (for Tower) indicates a stand-alone server.^[2]

This letter is then followed by three digits.

- The first digit refers to the number of sockets in the system: **1** to **3** for one socket, **4** to **7** for two sockets, and **8** or **9** for four sockets.
- The middle digit refers to the generation: **0** for Generation 10, **1** for Generation 11, and so on.
- The third digit indicates the make of the CPU: **0** for Intel or **5** for AMD.

For example: The Dell PowerEdge M610 is a two-socket blade server of the 11th generation using an Intel CPU. Whereas the R605 is a two-socket, 10th generation AMD-based rack-server.

Four digitsFor four-digit naming convention:

- The first digit after the letter indicates the class of the system, with **1–5** defaulting to iDRAC Basic and **6–9** defaulting to iDRAC Express.
- The second digit indicates the generation, with **0** for 10th generation, **1** for 11th generation and so on.
- The third digit indicates the number of CPU sockets, **1** for one socket and **2** for two sockets.
- The fourth digit indicates the make of the CPU, **0** for Intel and **5** for AMD.

For example: The Dell PowerEdge R6415 model is a rack, mid-range, 14th generation, single CPU socket system with AMD Processor.

^[3]

2. Blade Servers

Since Generation 10 there are models for the M1000e enclosure. The blade-servers in Generation 8 and Generation 9 are using another enclosure that is not compatible with the current M1000e system. In form-factor there are two models: half-height and full-height. In an enclosure you can fit 8 full or 16 half-height blades (or a mix). Each server has two or four on-board NIC's and two additional Mezzanine card-slots for additional I/O options: 1 Gb or 10 Gb Ethernet cards, Fibre Channel HBA's or InfiniBand slots. Apart from USB connectors a blade-server doesn't offer direct connections: all I/O goes via the midplane of the enclosure.

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3. Early Systems

Early systems (SP, XE, EL, XL lines)									
Model	Chassis	Year	Chipset	CPU (No. & Socket)	CPU (Type)	RAM (Max)	RAM (Type)	Drive bays	Comments
SP 433	Tower			1	Intel 80486 33 MHz (P4)				EISA/PCI
SP 450	Tower			1	Intel 80486DX2 50 MHz (P24)				EISA/PCI
SP 466	Tower			1	Intel 80486DX2 66 MHz (P24)				EISA/PCI
SP 560	Tower			1 Socket 4	Pentium 60 60 MHz (P5)				EISA/PCI
SP 566	Tower			1 Socket 4	Pentium 66 66 MHz (P5)				EISA/PCI
SP 575-2	Tower	1995 ^[4]		1,2 Socket 5	Pentium 75 75 MHz (P54C)				EISA/PCI
SP 590	Tower	1994 ^[5]		1 Socket 5	Pentium 90 90 MHz (P54C)	192 MB	SIMM	8	EISA/PCI
SP 590-2	Tower			1,2 Socket 5	Pentium 90 90 MHz (P54C)				EISA/PCI
SP 5100 ^[6]	Tower			1,2	Pentium 100 100 MHz (P54C)				EISA/PCI
SP 5100-2 ^[6]	Tower			1,2	Pentium 100 100 MHz (P54C)				EISA/PCI
SP 5133 ^[6]	Tower			1,2	Pentium 133 133 MHz (P54CS)				EISA/PCI
SP 5133-2 ^[6]	Tower			1,2	Pentium 133 133 MHz (P54CS)				EISA/PCI
SP 5166 ^[6]	Tower			1,2	Pentium 166 166 MHz (P54CS)				EISA/PCI
SP 5166-2 ^[6]	Tower			1,2	Pentium 166 166 MHz (P54CS)				EISA/PCI
XE 433	Tower			1	Intel 80486 33 MHz (P4)				EISA/PCI
XE 450	Tower			1	Intel 80486DX2 50 MHz (P24)				EISA/PCI
XE 466	Tower			1	Intel 80486DX2 66 MHz (P24)				EISA/PCI
XE 560	Tower			1 Socket 4	Pentium 60 60 MHz (P5)				EISA/PCI
XE 566	Tower			1 Socket 4	Pentium 66 66 MHz (P5)				EISA/PCI

XE 575-2	Tower		1,2 Socket 5	Pentium 75 75 MHz (P54C)	EISA/PCI
XE 590	Tower		1,2 Socket 5	Pentium 90 90 MHz (P54C)	EISA/PCI
XE 590-2	Tower		1,2 Socket 5	Pentium 90 90 MHz (P54C)	EISA/PCI
XE 5100	Tower		1,2	Pentium 100 100 MHz (P54C)	EISA/PCI
XE 5100-2	Tower		1,2	Pentium 100 100 MHz (P54C)	EISA/PCI
XE 5133	Tower		1,2	Pentium 133 133 MHz (P54CS)	EISA/PCI
XE 5133-2	Tower		1,2	Pentium 133 133 MHz (P54CS)	EISA/PCI
XE 5166	Tower		1,2	Pentium 166 166 MHz (P54CS)	EISA/PCI
XE 5166-2	Tower		1,2	Pentium 166 166 MHz (P54CS)	EISA/PCI
EL 575	Tower			Pentium 75 75 MHz (P54C)	ISA/PCI
EL 590	Tower			Pentium 90 90 MHz (P54C)	ISA/PCI
EL 5100	Tower			Pentium 100 100 MHz (P54C)	ISA/PCI
EL 5120	Tower			Pentium 120 120 MHz (P54CQS)	ISA/PCI
EL 5133	Tower			Pentium 133 133 MHz (P54CS)	ISA/PCI
Web Server	Tower	1995 ^[Z]		Pentium 133 133 MHz (P54CS)	ISA/PCI, based on quad processor EL ^[Z]
XL 5133	Tower		1-4 (single, quad capable)	Pentium 133 133 MHz (P54CS)	EISA/PCI
XL 5133-2	Tower		1-4 (dual, quad capable)	Pentium 133 133 MHz (P54CS)	EISA/PCI
XL 5133-4 ^[B]	Tower		1-4 (quad)	Pentium 133 133 MHz (P54CS)	EISA/PCI
XL 5166	Tower		1-4 (single,	Pentium 166 166 MHz	EISA/PCI

				quad capable)	(P54CS)				
XL 5166-2	Tower			1-4 (dual, quad capable)	Pentium 166 166 MHz (P54CS)				EISA/PCI
XL 5166-4	Tower			1-4 (quad)	Pentium 166 166 MHz (P54CS)				EISA/PCI

4. Generation 1

Model	Chassis	Year	Chipset	CPU (No. & Socket)	CPU (Type)	RAM (Max)	RAM (Type)	Drive bays	Comments
2100 ^[9]	Tower	1996	Intel 440FX	1 Socket 8	Pentium Pro 180 MHz or 200 MHz	256 MB	4, 168-pin DIMM		
4100 ^[10]	Tower			2 Socket 8	Pentium Pro 180 MHz or 200 MHz	1 GB	8, 168-pin DIMM		
6100 ^[11]	Tower			4 Socket 8	Pentium Pro 200 MHz	2 GB	16, 72-pin		

5. Generation 2

Model	Chassis	Year	Chipset	CPU (No. & Socket)	CPU (Type)	RAM (Max)	RAM (Type)	Drive bays	Comments
2200 ^[12]	Tower			2	Pentium II, 233 - 333 MHz	512 MB	4, ECC	3 full size SCSI drives (screw in)	
4200 ^[13]	Tower		Intel 440FX	2	Pentium II 233, 266, 300, or 333 MHz	512 MB	8, 168-pin EDO DIMM		

6. Generation 3

Model	Chassis	Year	Chipset	CPU (No. & Socket)	CPU (Type)	RAM (Max)	RAM (Type)	Drive bays	Comments
350 ^[14]	1U Rack	circa 2001	Intel 440BX		Pentium III 650Mhz-1.0Ghz or Celeron 600+	1 GB	4, SDRAM unbuffered and registered PC-100	(2) int. 3.5 ATA-100 (1) slim 3.5" floppy (1) slim CD-ROM	(2) Intel 82559 10/100 125 W 898 BTU/hr (max)
1300 ^[15]	Tower		Intel 440BX	1	Pentium II at 350, 400, or 450 MHz	1 GB	unbuffered, 72-bit SDRAM or registered, 72-bit SDRAM		

2300 ^[16]	Tower	1998	Intel 440BX	2	Pentium II 333, 350, 400, 450 MHz	1 GB	4, unregistered PC-100 SDRAM	6 Ultra2 SCSI HDD bays	
4300 ^[17]	7U Rack		Intel 440GX	2	Pentium II 350, 400, or 450 MHz	1 GB	4, 168-pin unbuffered DIMMs or registered DIMMs	8 SCSI bays	
4350 ^[18]	Rack		Intel 440GX	2	Pentium II 350, 400, or 450 MHz	2 GB			
6300 ^[19]	Tower			4	Pentium II Xeon	4 GB	4, registered EDO DIMM	6 Ultra2 SCSI HDD bays	
6350 ^[20]	4U Rack			4	Pentium II Xeon at 400 MHz	4 GB	16, registered EDO DIMM	3 HDD bays	

7. Generation 4

Model	Chassis	Year	Chipset	CPU (No. & Socket)	CPU (Type)	RAM (Max)	RAM (Type)	Drive bays	Comments
2400 ^[21]	Tower	2000 ^[22]		2	Pentium III 500 MHz minimum	2 GB	4, registered PC-133 SDRAM	6 Ultra2 SCSI HDD bays	
2450 ^[23]	2U Rack	2001		2	Pentium III 600 MHz minimum	2 GB	168-pin registered SDRAM 133-MHz		
4400 ^[24]	7U Rack or Tower			2	Pentium III Xeon, 600 MHz minimum	4 GB	registered PC133 SDRAM	Up to 10 internal SCSI bays	Introduced circa 1999
6400 ^[25]	Tower			4	Pentium III Xeon, 550 MHz minimum	8 GB	16, registered PC-133 SDRAM	6 or 8 Ultra3 SCSI drives	Introduced circa 1999
6450 ^[26]	4U Rack			4	Pentium III Xeon 550 MHz	8 GB	16, registered PC-133 SDRAM	4 internal SCSI bays	Introduced circa 1999
8450 ^[27]	Rack	2000 ^[28]		8	Pentium III Xeon 500 MHz	32 GB	168-pin SDRAM 100 MHz		

8. Generation 5

Model	Chassis	Year	Chipset	CPU (No. & Socket)	CPU (Type)	RAM (Max)	RAM (Type)	Drive bays	Comments
1550 ^[29]	1U Rack	2001 ^[30]	ServerWorks HE-SL	2	Pentium III (933 MHz-1.4 GHz)		4, registered PC-133 SDRAM	3 hot-swappable Ultra3 SCSI HDD bays	

2500 ^[31]	Tower or 5U Rack		2	Pentium III 933 MHz minimum	4 GB	6, ECC registered PC-133 SDRAM	6 hot-swappable Ultra3 SCSI HDD bays, splittable	
2550 ^[32]	2U Rack		2	Pentium III 933 MHz minimum	4 GB	registered PC133 SDRAM	5 internal SCSI bays	Introduced circa 2001

9. Itanium

The Itanium line was a separate 'generation' from the traditional server line, but roughly falls between generations 5 and 6.

Itanium systems (3250, 7150, 7250 models (2001-2004))									
Model	Chassis	Year	Chipset	CPU (No. & Socket)	CPU (Type)	RAM (Max)	RAM (Type)	Drive bays	Comments
3250 ^[33]	2U Rack	2003	Intel E8870	2 PAC611	Intel Itanium 2 1.5 GHz, 1.3 GHz, 1.4 GHz, 1.0 GHz	16 GB	DDR SDRAM	2 x 1" SCSI drives	
7150 ^[34]	7U Rack	2001 ^[35]		4 PAC418	Intel Itanium minimum 733 MHz	64 GB	PC100 memory	4 hotplug SCSI bays	
7250 ^[36]	Rack	2004	Intel E8870	4 PAC611	Intel Itanium 2	32 GB	DDR ECC memory	3 hotplug SCSI bays	

10. Generation 6

Model	Chassis	Year	Chipset	CPU (No. & Socket)	CPU (Type)	RAM (Max)	RAM (Type)	Drive bays	Comments
650 ^[37]	1U Rack	2003		1	Pentium 4 up to 3.06 GHz or Celeron up to 1.8 GHz	3 GB	DDR	2× IDE or SCSI	
1650 ^[38]	1U Rack	2002 ^[39]		2	Pentium III 1.13 GHz+	4 GB	4, ECC SDRAM 133		
1655 MC ^[40]	3U Blade	2004	ServerWorks ServerSet LE3.0	2 (per Blade)	Pentium III at 1.4 GHz	2 GB (per Blade)	4, ECC SDRAM 133		Houses up to 6 blades
2600 ^[41]	Tower or 5U Rack	2004	Intel E7501	2 Socket 604	Xeon III at 2.4 GHz, 2.8 GHz, 3.06 GHz and 3.2 GHz	12 GB	6, ECC DDR 266	6 HDD bays (SCSI)	
2650 ^[42]	2U Rack	2004	ServerWorks GC-LE	2 Socket 603	Xeon at 2.0 GHz, 2.4 GHz, 2.8 GHz, 3.06 GHz	12 GB	6, ECC DDR 266	5 HDD bays (SCSI)	

						and 3.2 GHz			
4600 ^[43]	Tower or 6U Rack	2003	ServerWorks GC-HE	2 Socket 603	Xeon at 2.4 GHz, 2.6 GHz, 2.8 GHz to 3.0 GHz	24 GB	ECC DDR		2 RAM riser cards
6600 ^[44]	Tower or 7U Rack	2004	ServerWorks GC-HE	4	Xeon MP at 2.0 GHz, 2.2 GHz, 2.7 GHz or 3.0 GHz	32 GB	ECC DDR 266	8 SCSI	4 RAM riser cards
6650 ^[44]	4U Rack	2004	ServerWorks GC-HE	4	Xeon MP at 1.4 GHz, 2.0 GHz, 2.2 GHz, 2.7 GHz or 3.0 GHz	32 GB	ECC DDR 266	5 SCSI	4 RAM riser cards

11. Generation 7

Model	Chassis	Year	Chipset	CPU (No. & Socket)	CPU (Type)	RAM (Max)	RAM (Type)	Drive bays	Comments
700 ^[45]	Tower	2004	Intel E7210	1 Socket 478	Pentium 4(up to 3.2 GHz/800 MHz) or Celeron (2.4 GHz)	4 GB	DDR 400	4 HDD bays	
750 ^[46]	1U Rack	2005	Intel E7210	1 Socket 478	Pentium 4(up to 3.4 GHz/800 MHz) or Celeron (2.4 GHz)	4 GB	DDR 400	2 SCSI or SATA	
1750 ^[47]	1U Rack	2004	ServerWorks GC LE	2 Socket 604	Xeon up to 3.2 GHz	8 GB	4, DDR 266	3 HDD bays (SCSI)	

12. Generation 8

Model	Chassis	Year	Chipset	CPU (No. & Socket)	CPU (Type)	RAM (Max)	RAM (Type)	Drive bays	Comments
800 ^[48]	Tower	2005	Intel E7221	1 LGA 775	Pentium 4 up to 3.8 GHz or Celeron up to 2.53 GHz	4 GB	4, ECC DDR2 400/533	4 × 1" SCSI or SATA	
830 ^[49]	Tower	2005	Intel E7230	1 LGA 775	Pentium D up to 3.2 GHz or Pentium 4 up to 3.6 GHz or Celeron D 2.53 GHz	8 GB	4, ECC DDR2 533-667	4 × HDD bays	
840 (Gen I, II) ^{[50][51]}	Tower	2006	Intel 3000	1 LGA 775	Xeon X3200 (Gen II only), Xeon 3000, Pentium or Celeron	8 GB	4, ECC DDR2 533-667	2 × 5.25" ext. 1 × 3.5" ext. 4 × 3.5" int. 4 SATA 2 IDE	
1800 ^[52]	Tower or 5U Rack		Intel E7520	2 Socket 604	Xeon, 800 MHz FSB	12 GB	6, ECC DDR2	6 × HDD bays (SCSI)	

1850 ^[53]	1U Rack	2005	Intel E7520	2 Socket 604	Xeon, 800 MHz FSB	16 GB	6, ECC DDR2 400	2 × HDD bays (SCSI)	
1855 ^[54]	Blade	2005	Intel E7520	2 Socket 604	Xeon, 800 MHz FSB	12 GB	6, ECC DDR2	2 × HDD bays per blade(SCSI)	Uses same blade chassis as 1955, up to 10 blades
2800 ^[55]	Tower or 5U Rack	2005	Intel E7520	2 Socket 604	Xeon Single or Dual-core	16 GB	6, DDR2 400	8 to 10 HDD bays (SCSI)	
2850 ^[56]	2U Rack	2005	Intel E7520	2 Socket 604	Xeon up to 3.8 GHz or Dual-core Xeon at 2.8 GHz	16 GB	6, DDR2 400	6 × HDD bays (SCSI)	
6800 ^[57]	Tower	2006	Intel 8501	4 Socket 604	Xeon 7100	64 GB	16*, ECC DDR2	10 Hotplug SCSI bays	rAM slots only with daughterboard
6850 ^[58]	4U Rack	2006	Intel 8501	4 Socket 604	Xeon 7100	64 GB	16*, ECC DDR2	5 Hotplug SCSI bays	rAM slots only with daughterboard

13. Generation 9

Model	Chassis	Year	Chipset	CPU Sockets	CPU	RAM (Max)	RAM (Type)	Drive bays	Comments
850 ^[59]	1U Rack	2005	Intel E7230	1 LGA 775	Intel Pentium 4 (up to 3.8 GHz) or Celeron (2.53 GHz) or Pentium D dual-core (up to 3.2 GHz)	8 GB	4, ECC DDR2 533/667 MHz	2 × 3.5" SATA or SCSI	
860 (Gen I, II) ^{[60][61]}	1U Rack	2006	Intel 3000	1 LGA 775	Celeron D, Pentium D 925, Celeron 430/440, Pentium Dual-Core E2160, Core 2 Duo E4400, Xeon 3000, Xeon 3200	8 GB	4, ECC DDR2 533/667 MHz	2 × 3.5" SATA or SAS and 1 × slim optical	The PE 850 and 860 share chassis with the R200, and other than name badge are visually identical.
1900 ^[62]	Tower	2006	Intel 5000P	2 LGA 771	Xeon 5000, 5100 or 5300	16 GB	8, DDR2 533/667 MHz FB-DIMM	6 × 3.5" SAS/SATA and 1 × Peripheral bay and 1 × 3.5" floppy	This model replaces the 1800. Peripheral bay can hold 2 × 5.25" devices
1950 (Gen I, II, III) ^[63]	1U Rack	2006	Intel 5000X	2 LGA 771	GI: Xeon 5000, 5100 GII: Xeon 5000, 5100, 5300 GIII: Xeon 5000, 5100,	GI & GII: 32 GB; GIII: 64 GB	GI & GII: 8, ECC DDR2 533/667 MHz GIII: FB-DIMM GIII: 8, ECC DDR2 667 MHz FB-DIMM	2 × 3.5" SAS/SATA or 4 × 2.5" SAS and 1 × slim optical	

					5200, 5300, 5400				
1955 ^[64]	Blade	2006	Intel 5000P	2 LGA 771	Xeon 5000, 5100 or 5300	32 GB	8, ECC DDR2 FB- DIMM	2 × 2.5" SAS/SATA	Uses same blade chassis as 1855. Up to 10 blades
2900 (Gen I, II, III) ^[65]	Tower or 5U	2006	Intel 5000X	2 LGA 771	Xeon 5000, 5100, 5300 or 5400	48 GB	12, ECC DDR2 533/667 MHz FB-DIMM	8 × 3.5" SAS/SATA and 1 × Flexbay and 1 × Peripheral bay and 1 × 3.5" floppy	Flexbay can hold 2 × 3.5" HDD. Peripheral bay can hold 2 × 5.25" devices
2950 (Gen I, II, III) ^{[66][67]}	2U Rack	2006	Intel 5000X	2 LGA 771	GI: Xeon 5000, 5100 GII: Xeon 5000, 5100, 5300 GIII: Xeon 5000, 5100, 5200, 5300, 5400	GI: 32 GB; GII ^[68] & GIII: 64 GB	GI & GII: 8, ECC DDR2 533/667 MHz FB-DIMM GIII: 8, ECC DDR2 667 MHz FB- DIMM	8 × 2.5" SAS and 1 × Peripheral bay or 4 × 3.5" SAS/SATA and 1 × Peripheral bay or 6 × 3.5" SAS/SATA and 1 × slim optical	All configurations include 1 × slim optical drive. Peripheral bay options: Floppy Drive, DAT72 Tape Drive
2970 ^[69]	2U Rack	2007 ^[70]	Broadcom HT-2100 and HT-1000	2 Socket F	Opteron 2200	32 GB	8, ECC DDR2 667 MHz	8 × 2.5" SAS/SATA II or 6 × 3.5" SAS/SATA and 1 × Peripheral bay and 1 × slim optical	Peripheral bay options; Floppy Drive, PowerVault 100T Tape Drive
6950 ^[71]	4U Rack	2006 ^[72]	Broadcom HT-2100 and HT-1000	4 Socket F	Opteron 8200 or 8300	64 GB	16, ECC DDR2 667 MHz	5 × 3.5" SAS and 1 × slim optical	

14. Generation 10

Model	Chassis	Year	Chipset	CPU (No. & Socket)	CPU (Type)	RAM (Max)	RAM (Type)	Drive bays	Comments
T100 ^[73]	Tower	2008 ^[74]	Intel 3200	1 LGA 775	Xeon 3000, Core 2 Duo 7000, Pentium 2000, Celeron 1200 or Celeron 400	8 GB	4, ECC DDR2 677-800	2 × 3.5" SATA or SAS and 2 × 5.25"	
T105 ^[75]	Tower	2008	nVidia CK8-04 Pro	1 Socket AM2	Opteron 1200, Opteron 1300, Sempron LE1250	8 GB	4, ECC DDR2 677-800	2 × 3.5" SATA or SAS and 2 × 5.25"	

R200 ^[76]	1U Rack	2010	Intel 3200	1 LGA 775	Xeon 3000, Core 2 Duo, Celeron	8 GB	4, ECC DDR2 667-800 SDRAM ^[77]	2 × 3.5" non-hot-swap SATA or SAS and 1 × 5.25" removable CD/DVD	
T300 ^[78]	Tower	2007	Intel 5100	1 LGA 771	Xeon 5000, Xeon 3000, Core 2 Duo, Celeron	24 GB	6, ECC DDR2 667	4 × 3.5" SATA or SAS	
R300 ^[79]	1U Rack		Intel 3400	1 LGA 771	Xeon 5000, Xeon 3000, Core 2 Duo, Celeron	24 GB	6, ECC DDR2 667	2 × 3.5"	
M600 ^[80]	Blade		Intel 5000P	2 LGA 771	Xeon 5000	64 GB	8, ECC DDR2 667		Fits in the M1000E chassis
T605 ^[81]	Tower	2008 ^[82]	Broadcom HT2100 and HT1000	2 Socket F	Opteron 2000	32 GB	8, ECC DDR2	4 × 3.5" and 1 × 5.25"	
M605 ^[83]	Blade		NVIDIA MCP55	2 Socket F	Opteron 2000, 2200 or 2300	64 GB	8, ECC DDR2 800	2 × 2.5" SAS or SATA	Fits in the M1000E chassis
R805 ^[84]	2U Rack	2008 ^[85]	NVIDIA MCP55Pro + IO-55	2 Socket F	Opteron 2400	128 GB	16, ECC DDR2	2 × 2.5" and 1 × slim optical	
M805 ^[86]	Blade		NVIDIA MCP55		Opteron 2000	128 GB	16, ECC DDR2 667-800	2 × 2.5" SAS or SSD	Fits in the M1000E chassis
R900 ^[87]	4U Rack		Intel 7300	4 Socket 604	Xeon 7200, 7300 or 7400	256 GB	32, FBD DDR2 667-1333	5 × 3.5" SAS or 8 × 2.5" SAS	
R905 ^[88]	4U Rack		Broadcom HT-2100 and HT-1100	4	Opteron 8000	256 GB	32, ECC DDR2	8 × 2.5" or 5 × 3.5"	EOL : 7/23/2015
M905 ^[89]	Blade		NVIDIA MCP55	4	Opteron 8000	192 GB	24, ECC DDR2 667-800	2 × 2.5" SAS or SSD	Fits in the M1000E chassis

15. Generation 11

Released by Dell in 2010

Model	Chassis	Year	Chipset	CPU (No. & Socket)	CPU (Type)	RAM (Max)	RAM (Type)	Drive bays	Comments
T110 ^[90]	Tower		Intel 3420	1 LGA 1156	Xeon 3400, Celeron G1101,	16 GB	4, U-DIMMs ECC DDR3	4 × 3.5" SAS or SATA	

					Pentium G6950, Core i3-530 or i3-540		1066-1333	
T110 II ^[91]	Tower	2011	Intel C202	1 LGA 1155	Xeon E3-1200 or E3-1200 v2, Celeron G400 / G500, Pentium G600 / G800	32 GB	4, U-DIMMs ECC DDR3 1066-1600	4 × 3.5" or 6 × 2.5" SAS or SATA
R210 ^[92]	1U Rack		Intel 3420	1 LGA 1156	Xeon 3400, Celeron G1101, Pentium G6950 or Core i3-500	16 GB	4, U-DIMMs ECC DDR3 1066-1333	2 × 2.5" or 2 × 3.5" SAS, SATA or SSD
R210 II ^[93]	1U Rack	2011	Intel C202	1 LGA 1155	Xeon E3-1200 or E3-1200 v2, Celeron G400 / G500, Pentium G600 / G800	32 GB	4, U-DIMMs ECC DDR3 1066-1600	4 × 2.5" or 2 × 3.5" SAS, SATA or SSD
T310 ^[94]	Tower		Intel 3400	1 LGA 1156	Xeon 3400, Celeron G1101, Pentium G6950 or Core i3-500	32 GB	6, R-DIMMs or 4, U-DIMMs, DDR3 800-1333	4 × 3.5" SAS or SATA
R310 ^[95]	1U Rack		Intel 3420	1 LGA 1156	Xeon 3400, Celeron G1101, Pentium G6950, Core i3-530 or i3-540	32 GB	6, 1066–1333	4 × 3.5" or 4 × 2.5" SAS or SATA
T410 ^[96]	Tower	2009 ^[97]	Intel 5500	2 LGA 1366	Xeon 5500 or 5600	128 GB	8, DDR3 800-1333	6 × 3.5" and 2 × 5.25" SSD, SAS or SATA
R410 ^[98]	1U Rack	2009 ^[99]	Intel 5500	2 LGA 1366	Xeon 5500 or 5600	64 GB	8, DDR3 800-1333	4 × 3.5" or 4 × 2.5"
R415 ^[100]	1U Rack		AMD SR5670 & SP5100	2 C32	Opteron 4100, 4200 or 4300 ^[101]	256 GB ^[101]	8, DDR3 1066/1333	4 × 2.5" or 4 × 3.5" SAS or SATA
R510 ^[102]	2U Rack		Intel 5500	2 LGA 1366	Xeon 5500 or 5600	128 GB	8, DDR3 800-1333	4 × 3.5" or 8 × 2.5"/3.5" or 12 × 2.5"/3.5" and 2 ×

									2.5" internal
R515 ^[103]	2U Rack	2010	AMD SR5670 & SP5100	2 C32	rev I: Opteron 4100; Rev II: 4100 or 4200	Opteron 4100: 128 GB; Opteron 4200: 256 GB	8, DDR3 1333-1600	12 × 2.5" or 8 × 3.5"	
T610 (Gen I, II) ^[104]	Tower or 5U Rack		Intel 5520	2 LGA 1366	Xeon 5500 or 5600	192 GB	12, RDIMM or UDIMM DDR3 800-1333	Up to 8 × 3.5"/2.5" SSD, SAS or SATA	
R610 (Gen I, II) ^[105]	1U Rack		Intel 5520	2 LGA 1366	Xeon 5500 or 5600	192 GB	12, DDR3 800-1333	6 × 2.5" SAS or SSD	
M610 (Gen I, II) ^[106]	Blade		Intel 5520	2 LGA 1366	Xeon 5500 or 5600	192 GB	12, ECC DDR3	2 × 2.5" SAS/SSD	Fits in the M1000E chassis
T710 (Gen I, II) ^[107]	Tower or 5U Rack		Intel 5520	2 LGA 1366	Xeon 5500 or 5600	192 GB	18, DDR3 800–1333	16 × 2.5" or 8 × 3.5"	
R710 (Gen I, II) ^[108]	2U Rack	2009 ^[109]	Intel 5520	2 LGA 1366	Xeon 5500 or 5600	288 GB	18, DDR3 800-1333	8 × 2.5" or 6 × 3.5"	Gen I: No 130W CPUs ^[110]
R715 ^[111]	2U Rack	2010 ^[112]	AMD SR5650, SR5670, SP5100	2 G34	Opteron 6100 or 6200	256 GB	16, DDR3 800–1600	8 × 2.5" or 6 × 3.5"	
M710 (Gen I, II) ^[113]	Blade		Intel 5520	2 LGA 1366	Xeon 5500 or 5600	192 GB	18, DDR3	4 × 2.5" SAS or SSD	Fits in the M1000E chassis
R810 ^[114] ^[115]	2U Rack		Intel 7500	4 LGA 1567	Xeon 6500 or 7500	1 TB ^[116]	32, DDR3 1066	6 × 2.5" SAS, SATA or SATA SSD	
R815 ^[117] ^[118]	2U Rack		AMD SR5650, SR5670, SP5100	4 G34	Opteron 6100	512 GB	32, DDR3 1333	6 × 2.5" SAS, SATA or SATA SSD	
R910 ^[119]	4U Rack		Intel 7500	4 LGA 1567	Xeon 7500 or E7-4/8800	2 TB ^[120]	64, DDR3 1066	16 × 2.5" SAS or SSD	R910 servers using Xeon 7500 CPUs are limited to 1 TB of memory since 32GB DIMMs are not supported ^[121]
M910 ^[122]	Blade		Intel 7500	4 LGA 1567	Xeon 6500 or 7500	512 GB	32, ECC DDR3	2 × 2.5" SAS or SSD	Fits in the M1000E chassis
C1100 ^[123]	1U Rack		Intel 5500	2 LGA 1366	Xeon 5500 or 5600	192 GB	18, ECC DDR3 1066-1333	10 × 2.5" or 4 × 3.5"	
C2100 ^[124]	2U Rack		Intel 5500	2 LGA 1366	Xeon 5500 or 5600	192 GB	18, ECC DDR3 1066-1333	12 × 3.5" and 2 × 2.5" internal	

C6100 ^[125]	2U Rack	Intel 5520	8 LGA 1366	Xeon 5500 or 5600	768 GB	48, DDR3 1066-1333	SATA or SSD
							24 × 2.5" or 12 × 3.5"

16. Generation 12

In March 2012 Dell introduced their *12th generation* servers based on Intel Xeon. There are two basic lines: 620 and 720.^[126] On the 720 line, Dell currently offers two rack-model servers: the Poweredge R720^[127] and the R720XD^[128] — where the latter offers the option to extend the system to up to 26 internal disks.

The Poweredge 620 series offer models for rack, tower and a ½ height blade-server M620.^[126] A ½ height blade means that you can fit up to 16 of those servers in one M1000e enclosure. The M520 and M620 can also be used in the new PowerEdge VRTX system. The new M420 is 1/4 height, so 32 fit in a M1000e chassis but does require a special *full height* holder that fits 4 M420's in one full-height (=double) slot.

For the Generation 12 server-line the *out of band* server-management system iDRAC received a new version: *iDRAC 7*. iDRAC allows you to access the server-console via a separate ethernet connection allowing you to get access to the server even when there is no (working) operating system or (normal) network connection available. It offers more or less the same functionality as a network-enabled KVM switch, but with some additional options.

An overview of the offered servers as per July 2012^[126]

Model	Chassis	Year	Chipset	CPU (No. & Socket)	CPU (Type)	RAM (Max)	RAM (Type)	Internal Storage (Max)	Drive bays	PCI(e) slots	On board network
T620 ^[129]	Tower rackable, 5U	2012	C600	2 LGA 2011	Xeon E5-2600	768 GB	24, DIMM DDR3, 1600Mhz	36 TB	8 × 3.5" + 4 × PCIe SSD or 12 × 3.5" or 16 × 2.5" + 4 × PCIe SSD or 32 × 2.5"	7: 4 - x16 FH/FL, 2 - x8 FH/FL, 1 - x8 (x4bw) FH/FL	Broadcom or Intel Quad 1 Gb or Dual 10 Gb
R220 ^[130]	1U Rack		C222	1 LGA 1150	Xeon E3-1200 v3	32 GB	4, DIMM DDR3, 1600MHz		2 × 2.5" or 2 × 3.5"	1: 1 - x16 FH/FL	Dual 1Gb
R320 ^[131]	1U Rack		C602	1 LGA 1356	Xeon E5-2400 or E5-2400 v2 or E5-1400	192GB	6, DIMM DDR3, 1600MHz	16TB	8 × 2.5" or 4 × 3.5"	2: 1x16 FH/HL, 1x8 HH/HL	Broadcom Dual 1Gb
R420 ^[132]	1U Rack		C602	2 LGA 1356	Xeon E5-2400 or E5-2400 v2	384 GB	12, DIMM DDR3, 1600MHz	16 TB	8 × 2.5" or 4 × 3.5"	2: 1x16 FH/HL, 1x16 HH/HL (with 2 cpu) or 2: 1x16 FH/HL, 1x8	Broadcom Dual 1Gb

									HH/HL (with 1 cpu)		
R520	2U Rack		C602	2 LGA 1356	Xeon E5- 2400 or E5- 2400 v2	384 GB	12, DIMM DDR3, 1600MHz	32 TB	8 x 2.5" or 8 x 3.5"	1x16x HH/HL at 16x, 1x16x FH/FL at 8x, 2x16 FH/HL at 8x(with 2 cpu)	Broadcom Dual 1Gb
R620 ⁽¹³³⁾	1U Rack	2012	C600	2 LGA 2011	Xeon E5- 2600 or E5- 2600 v2	1.5 TB	24, DIMM DDR3, 1600MHz	10 TB	8 x 2.5" or 4 x 3.5" + 2 x PCIe SSD or 10 x 2.5"	3: 2 - x16 FH/FL, 1 - x8 FH/FL or 2, 2 x x16	Broadcom or Intel 4x 1Gb or 2x 10Gb
R720 ⁽¹²⁷⁾	2U Rack	2012	C600	2 LGA 2011	Xeon E5- 2600 or E5- 2600 v2	768 GB	24, DIMM DDR3, 1600Mhz	25 TB	8 x 3.5" or 16 x 2.5"	7: 1x16 FH/FL, 3x8 FH/FL, 3x8 HH/HL	Broadcom or Intel 4x 1Gb or 2x 10Gb
R720XD ⁽¹²⁸⁾	2U Rack	2012	C600	2 LGA 2011	Xeon E5- 2600 or E5- 2600 v2	768 GB	24, DIMM DDR3, 1600Mhz	38 TB	26 x 2.5" or 12 x 3.5" + 2 x 2.5"	6: 2 - x16 FH/FL, 1 - x8 FH/FL, 3 - x8 HH/HL	Broadcom or Intel 4x 1Gb or 2x 10Gb
R820 ⁽¹³⁴⁾	2U Rack	2012	C600	4 LGA 2011	Xeon E5- 4600	1.5 TB	48, DIMM DDR3 1600MHz	16 TB	16 x 2.5"	7: 2 - x16 HL/FH, 1 - x8 HL/FH, 3 - x8 HL/HH, 1 - x8 HL/FH (for RAID controller)	Broadcom or Intel 4x 1Gb or 2x 10Gb
R920 ⁽¹³⁵⁾	4U Rack	2012	C602J	4 LGA 2011	Xeon E7- 4800 v2	6 TB	96, DIMM DDR3 1600MHz	28.8 TB	24 x 2.5"		Broadcom or Intel 4x 1Gb or 2x 10Gb
M420 ⁽¹³⁶⁾	Blade 1/4 height	2012	C600	2 LGA 1356	Xeon E5- 2400	192 GB	6, DIMM DDR3, 1600Mhz	2 x 200 GB	2 x 1.8"		Broadcom ⁽¹³⁷⁾ 2x 10 Gb LOM +1 Mezzanine slot
M520 ⁽¹³⁸⁾	Blade 1/2 height	2012	C600	2 LGA 1356	Xeon E5- 2400	384 GB	12, DIMM DDR3, 1600Mhz	2 x SATA/SAS HDD/SSD	2 x 2.5"		Broadcom or Intel on board+2 Mezzanine slots
M620 ⁽¹³⁹⁾	Blade 1/2 height	2012	C600	2 LGA 2011	Xeon E5- 2600	768 GB	24, DIMM DDR3, 1600Mhz		2 x 2.5"		Broadcom or Intel on board+2 Mezzanine slots

M820 ^[140]	Blade full height	2012	C600	4 LGA 2011	Xeon E5-4600	1.5 TB	48, DIMM DDR3, 1600MHz	4 x SAS HDD/SSD or 2 x PCIe flash SSD	4 x 2.5"	2x 10 Gb Converged Ethernet Adaptor on board+2 Mezzanine slots
C6220 ^[141]	2U Rack	2012	C600	8 LGA 2011	Xeon E5-2600	2 TB	64, DIMM DDR3, 1600MHz	48 TB	24 x 2.5" or 12 x 3.5"	2x 1Gb LOM, 100 Mb mgt + opt. InfiniBand Mezzanine

Other 12th Generation servers, which are comparable in capabilities with the above detailed M or R versions of the same model **number**, are:^[142]

- PE T320 Tower
- PE T420 Tower

17. Generation 13

In September 2014 Dell introduced their *13th generation* servers based on Intel Xeon

Model	Chassis	Year	Chipset	CPU (No.)	CPU (Type)	RAM (Max)	RAM (Type)	Internal Storage (Max)	Drive bays	PCI(e) 3.0 slots	On board network
T130 ^[143]	Tower	2015	Intel C236	1	Xeon E3-1200 v6	64 GB	4, ECC DDR4 up to 2400 MT/s		4 x 3.5" cabled HDD	• 1x8 PCIe 3.0 (x16 connector) • 2x4 PCIe 3.0 (x8 connector) • 1x1 PCIe 3.0 (x1 connector)	Broadcom Dual 1Gb
R230 ^[144]	1U Rack	2015	Intel C236	1	Xeon E3-1200 v5	64 GB	4, DDR4 up to 2133 MT/s		• 2 x 3.5" cabled HDD • 4 x 3.5" cabled HDD • 4 x 3.5" hot-swap or 2.5" hot-swap in hybrid drive carrier	2 x PCIe 3.0 slots	Broadcom Dual 1Gb
R330 ^[145]	1U Rack	2015	Intel C236	1	Xeon E3-1200 v5 or Xeon E3-1200 v6	64 GB	4, DDR4 up to 2133 MT/s		• 4 x 3.5" hot-swap • 8 x 2.5" hot-swap	2 x PCIe 3.0 slots + 1 slot for internal storage	2 x 1Gb
R430 ^[146]	1U Rack	2014	Intel C610	1 / 2	Xeon E5-2600 v3	384 GB	12, DDR4 up to 2133 MT/s	• 20TB (10 x 2.5" SATA HDD) • 18TB (10 x 2.5" SAS HDD)	• 10 x 2.5" HDD: SAS, SATA, NL-SAS, SSD • 8 x 2.5" HDD: SAS, SATA,	2 x x8 HL/HH x16 (2 CPU)	• 2 x 1Gb • 4 x 1Gb • 2 x 1Gb + 2 x 10Gb • 4 x 10Gb

										NL-SAS, SSD	
R530 ^[147]	2U Rack	2014	Intel C610	1 / 2	Xeon E5-2600 v3	384 GB	12, DDR4, up to 2133 MT/s	• 32TB (8 × 3.5" SATA HDD) • 14.4TB (8 × 3.5" SAS HDD)	8 × 3.5" HDD: SAS, SATA, NL-SAS, SSD	3 × PCIe3.0 + 2 × PCIe2.0	• 2 × 1Gb • 4 × 1Gb • 2 × 1Gb + 2 × 10Gb • 4 × 10Gb • up to 8 × 10 Gb + 12 × 1Gb using PCI extension slot
R630 ^[149]	1U Rack	2014 ^[149]	Intel C610	2	Xeon E5-2600 v3 or Xeon E5-2600 v4	768 GB	24, DDR4 up to 2133 MT/s	• 23TB (24 × 1.8" SSD) • 17TB (10 × 2.5" SAS HDD) • 14TB (8 × 2.5" SAS HDD)	• 24 × 1.8" SATA SSD • 10 × 2.5" HDD: SAS, SATA, NL-SAS, SSD, 4 NVMe PCIe • 8 × 2.5" HDD: SAS, SATA, NL-SAS, SSD	• 2 × x8 HL/HH x16 + 1 × HL/HH (x16 conn.) (2 CPU) • 1 × x16 HL/HH x16 + 1 × .75L/FH (2 CPU) • 1 × x16 HL/HH x8 (x16 conn.) + 1 × .75L/FH (1 CPU)	• 4 × 1Gb • 2 × 1Gb + 2 × 10Gb • 4 × 10Gb
T630 ^[150]	Tower or 5U Rack	2014	Intel C610	2	Xeon E5-2600 v4	1.5 TB	24, DDR4 up to 2133 MT/s	• 144TB (18 × 3.5" HDD) • 72TB (32 × 2.5" HDD) • 4 Express Flash PCIe SSDs	• 8 × 3.5" SAS, SATA, NL-SAS, SSD, PCIe SSD drives with optional flex bay • 18 × 3.5" SAS, SATA, NL-SAS, SSD drives • 16 × 2.5" SAS, SATA, NL-SAS, SSD, PCIe SSD drives with optional flex bay • 32 × 2.5" SAS, SATA, NL-SAS,	• 4 × x16 FL/FH • 2 × x8 FL/FH (PCIe 2.0) • 1 × x8 HL/FH • 1 × x8 HL/FH (PERC)	2 × Intel 1Gb LOM

											SSD drives
M630 ^[151]	Blade 1/2 height	2014	Intel C610	2	Xeon E5-2600 v3	768 GB	24, DDR4 up to 2133 MT/s		• 4 × 1.8" SSD • 2 × 2.5" PCIe SSD	2 × PCIe 3.0 (x8) mezzanine	(19 different optional adapters available)
R730 ^[152]	2U Rack	2014	Intel C610	2	Xeon E5-2600 v3 or Xeon E5-2600 v4	1.5 TB	24, DDR4, up to 2133 MT/s	• 29TB (16 × 2.5" hot-plug SAS) • 48TB (8 × 3.5" hot-plug NL SAS)	• 16 × 2.5" SAS, SATA, NL-SAS, SSD • 8 × 3.5" SAS, SATA, NL-SAS, SSD	• 7 × PCIe 3.0 • 1 × PERC	• 4 × 1Gb • 2 × 1Gb + 2 × 10Gb • 4 × 10Gb
R730xd ^[153]	2U Rack	2014	Intel C610	2	Xeon E5-2600 v3	768 GB	24, DDR4 up to 2133 MT/s	• 99.6TB (12 × 3.5" NL SAS HDD/SSD + 4 × 3.5" SAS + 2 × 2.5" SAS HDD/SSD) • 68.5TB (18 × 1.8" SATA SSD + 8 × 3.5" SAS HDD) • 47.5TB (24 × 2.5" hot-plug SAS HDD + 2 × 2.5" hot-plug SAS HDD)	• 16 × 3.5" SAS, SATA, NL-SAS, SSD + 2 × 2.5" drives • 18 × 1.8" SAS, SATA, NL-SAS, SSD drives + 8 × 3.5" SAS, SATA, NL-SAS, SSD drives, + 2 × 2.5" HDD • 26 × 2.5" SAS, SATA, NL-SAS, SSD, PCIe SSD drives	• 6 × PCIe 3.0 • 1 × PERC	• 4 × 1Gb • 2 × 1Gb + 2 × 10Gb • 4 × 10Gb
R830	2U Rack	2016	Intel C612	4	Xeon E5-4600 v4	3 TB	24, DDR4 up to 2400 MT/s	61.4TB (16 × 2.5" SSD)	16 × 2.5" SAS, SATA, NL-SAS, SSD drives	• 7 × PCIe 3.0 • 1 × PERC	• 4 × 1Gb • 2 × 1Gb + 2 × 10Gb • 4 × 10Gb
FC830 ^[154]	2U Rack	2016	Intel C612	4	Xeon E5-4600 v4	1.5 TB	48, DDR4 up to 2400 MT/s		• 16 × 1.8" SSD or • 8 × 2.5" SSD	• 4-8 × PCIe 3.0 (x8) • 1 × PERC	• 4 × 1Gb • 2 × 1Gb + 2 × 10Gb • 4 × 10Gb
R930 ^[155]	4U Rack	2015	Intel C602J	4	Xeon E7-4800 v4	12 TB	DDR4 up to 2400 MT/s	• 99.6TB (12 × 3.5" NL SAS HDD/SSD)	• 16 × 3.5" SAS, SATA,	• 6 × PCIe 3.0 • 1 × PERC	• 4 × 1Gb • 2 × 1Gb + 2 × 10Gb

				Only with daughterboards		+ 4 x 3.5" SAS + 2 x 2.5" SAS HDD/SSD		NL-SAS, SSD + 2 x 2.5" drives		• 4 x 10Gb	
						• 68.5TB (18 x 1.8" SATA SSD + 8 x 3.5" SAS HDD)		• 18 x 1.8" SAS, SATA, NL-SAS, SSD drives			
						• 47.5TB (24 x 2.5" hot-plug SAS HDD + 2 x 2.5" hot-plug SAS HDD)		+ 8 x 3.5" SAS, SATA, NL-SAS, SSD drives, + 2 x 2.5" HDD			
								• 26 x 2.5" SAS, SATA, NL-SAS, SSD, PCIe SSD drives			
C4130 ^[156]	1U Rack	2016	Intel C612	2	Xeon E5 2600 v4	1TB	16, DDR4 up to 2400MT/s	Up to 4x 2.5" Drives with Tray	2x PCIe 3.0 low profile Intel H OmniPath		
Model	Chassis	Year	Chipset	CPU (No.)	CPU (Type)	RAM (Max)	RAM (Type)	Internal Storage (Max)	Drive bays	PCI(e) 3.0 slots	On board network

18. Generation 14

In July 2017 Dell EMC introduced their 14th generation servers, adding support for latest Intel Xeon Scalable Processors, better NVM support and other updates.^[157]

Model	Chassis	Year	Chipset	CPU (No.)	CPU (Type)	RAM (Max)	RAM (Type)	Internal Storage (Max)	Drive bays	PCI(e) 3.0 slots	On board network
R240	1U Rack	2018		1		64GB	4, DDR4 up to 2666 MT/s		4 x 3.5 SAS, SATA, or SSD		2 x 1GbE LOM
R340	1U Rack	2018		1		64GB	4, DDR4 up to 2666 MT/s		• 8 x 2.5 SAS, SATA, or SSD • 4 x 3.5 SAS, SATA, or SSD		2 x 1GbE LOM
R440 ^[158]	1U Rack	2017		2	Xeon Bronze 31xx or Silver 41xx or Gold 51xx, 61xx	1TB Max (768GB max memory is recommended for performance optimized configurations)	16, DDR4 up to 2666 MT/s	• 64TB (4 x 3.5" hot-plug SAS/SATA HDD/SSD) • 76.8TB ^[159] (10 x 2.5" hot-plug SAS/SATA HDD/SSD + 4 x	• 2 x M.2 SSD • 4 x 3.5" SAS, SATA, NL-SAS, SSD • 8 x 2.5" SAS, SATA, NL-SAS, SSD • 10 x 2.5" SAS, SATA,	• 1 x PCIe 3.0 (FH/HL riser) • 2 x PCIe 3.0 (HH/HL riser)	• 2 x 1GbE LOM • 2 x 10GbE SFP+ • 2 x 10GbE

								NVMe SSD)	- NL-SAS, SSD • 10 x 2.5" SAS, SATA, NL-SAS, SSD + 4 NVMe SSD		
T440 ^[160]	Tower or 5U Rack	2017		2	Xeon Bronze 3(12)xx or Silver 4(12)xx or Gold 5(12)xx, up to 135W	512 GB	16, DDR4 up to 2666MT/s	• 96TB (8 x 3.5" hot-plug SAS/SATA HDD/SSD) • 61TB (16 x 2.5" hot-plug SAS/SATA HDD/SSD)	• 2 x M.2 SSD • 4 x 3.5" SAS, SATA, NL-SAS, SSD • 8 x 3.5" SAS, SATA, NL-SAS, SSD • 16 x 2.5" SAS, SATA, NL-SAS, SSD	5	2 x 1Gb
T640 ^[161]	Tower or 5U Rack	2017	Intel C620 ^[162]	2	1st and 2nd Generation Intel Xeon Scalable, up to 205W	3TB	24, DDR4 up to 2666MT/s	• 216 TB • 61TB • 122TB • 112TB	• 8 or 18 x 3.5" SAS/SATA (HDD/SSD) max 216TB • 16 x 2.5" SAS/SATA (HDD/SSD) max 61TB • 32 x 2.5" SAS/SATA (HDD/SSD) max 122TB • 16 x 2.5 SAS/SATA (HDD/SSD) + 8x NVMe SSD max 112TB	Up to 8 PCIe Gen 3	2 x 10Gb
R540 ^[163]	2U Rack	2017	Intel C620 ^[164]	2	Intel Xeon scalable Bronze 31xx or Silver 41xx or Gold 51xx or Gold 61xx	1TB Max (768GB max memory is recommended for performance optimized configurations)	16, DDR4 up to 2666 MT/s	• 196TB max	• Up to 12 x 3.5" SAS/SATA HDD max 168TB • Up to 2 x 3.5 SAS/SATA HDD max 28TB	Up to 6 PCIe ^[165]	• 2 x 1GgE LOM • 2 x 10GbE SFP+ • 2 x 10GbE
R640 ^[166]	1U Rack	2017	Intel C620	2	1st and 2nd Generation Intel Xeon Scalable, up to 205W	7.68TB	24, DDR4 up to 2933 MT/s	max 76.8TB	Front • up to 10 x 2.5" SAS/SATA (HDD/SSD) max 7.68TB • up to 10 NVMe drives max 64TB • up to 4 x 3.5" SAS/SATA, max 64TB Rear • Up to 2 x 2.5" SAS/SATA (HDD/SSD), NVMe SSD max 15.36TB	3 (x16/x16/x16)	• 4 x 1GbE • 2 x 10GbE + 2 x 1GbE • 4 x 10GbE • 2 x 25GbE

R740 ^[167]	2U Rack	2017	Intel C620	2		3 TB	24, DDR4 up to 2666 MT/s	max 96TB	16 x 2.5" SAS/SATA		• 4 x 1GbE • 2 x 10GbE + 2 x 1GbE • 4 x 10GbE • 2 x 25GbE
R740XD ^[168]	2U Rack	2017	Intel C620	2	Intel Xeon scalable	3 TB	24, DDR4 up to 2666 MT/s	• Front: NVMe SSD max 153TB or SAS/SATA HDD max 144TB • Mid Bay: max 48TB • Rear: max 25TB	• Front: Up to 24 x 2.5" SAS/SATA (HDD/SSD) • Mid: Up to 4 x 2.5" • Rear: Up to 4 x 2.5"		• 4 x 1GbE • 2 x 10GbE + 2 x 1GbE • 4 x 10GbE • 2 x 25GbE
R940 ^[169]	3U Rack	2017		4	Intel Xeon Gold/Platinum	6 TB	48, DDR4 up to 2666 MT/s	184.32TB max	24 x 2.5" SAS/SATA (HDD/SSD)		• 4x 1GbE • 4x 10GbE • 2x 10GbE + 2x 1GbE • 2x 25GbE
M640	Blade 1/2 height			2	2nd Generation Xeon Scalable	2TB	16, DDR4 up to 2933 MT/s	12.8TB max	2 x 2.5" SAS/SATA (HDD/SSD)		• 2x 10GbE + 4x 1GbE • 4x 10GbE
FC640 ^[170]	1U	2019		2	2nd Generation Xeon Scalable	2TB	16, DDR4 up to 2933 MT/s	12.8TB	2 x 2.5" SAS/SATA (HDD/SDD)		• 2 x 10GbE + 2 x 1GbE • 4 x 10GbE
C6420 ^[171]	2U Rack	2017									
Model	Chassis	Year	Chipset	CPU (No.)	CPU (Type)	RAM (Max)	RAM (Type)	Internal Storage (Max)	Drive bays	PCI(e) 3.0 slots	On board network

19. Generation 15

On 17 March 2021, Dell officially launched their 15th generation PowerEdge servers^[172] with some models already available in 2019.

Model	Chassis	Year	Chipset	CPU (No.)	CPU (Type)	RAM (Max)	RAM (Type)	Internal Storage (Max)	Drive bays	PCIe 3.0/4.0 slots	On board network
R6515	1U Rack	2019	SoC	1	2nd and 3rd generation AMD EPYC	2 TB	16, DDR4-3200, 8 channels	32 TB	• 4 x 3.5" (LFF) • 8 x 2.5" (SFF)	0–2	• 2x 1GE • 2x 10GE SFP+ • 2x 25GE SFP28
R7515	2U Rack	2019	SoC	1	2nd and 3rd generation	2 TB	16, DDR4-	112 TB	• 8–14 x	0–4	• 2x 1GE

					AMD EPYC		3200, 8 channels		3.5" (LFF) • 24 × 2.5" (SFF)	• 2× 10GE SFP+ • 2× 25GE SFP28	
R7525	2U Rack	2019	SoC	2	2nd and 3rd generation AMD EPYC	4 TB	32, DDR4-3200, 16 channels	112 TB	• 8–12 × 3.5" (LFF) • 26 × 2.5" (SFF)	0–8 • 2× 1GE • 2× 10GE SFP+ • 2× 25GE SFP28	
Model	Chassis	Year	Chipset	CPU (No.)	CPU (Type)	RAM (Max)	RAM (Type)	Internal Storage (Max)	Drive bays	PCIe 3.0/4.0 slots	On board network

20. PowerEdge SC Value Servers

Independent from the main generations of servers a value line was produced.

Model	Chassis	Year	Chipset	CPU (No. & Socket)	CPU (Type)	RAM (Max)	RAM (Type)	Drive bays	Comments
300 SC ^[173]	Tower		Intel 440BX		Pentium III	1 GB	4, ECC reg PC-100		
1400 SC ^[174]	Tower	2000		2	Pentium III	2 GB	4, ECC reg PC-133	Ultra3 SCSI controller	
500 SC ^[175]	Tower	2001 ^[176]	ServerWorks ServerSet LE 3.0	1	Pentium III 1.0+ or Celeron 800Mhz+	2 GB	4, ECC PC-133		
1500 SC ^[177]	Tower			2	Pentium III 1.1 GHz	4 GB	4, ECC reg PC-133	6 hot-swappable Ultra3 SCSI HDD bays	
600 SC ^[178]	Tower	2003	ServerWorks GC-SL	1	Pentium 4 2.0+ or Celeron 1.7+	4 GB	4, ECC DDR 200		
1600 SC ^[179]	Tower	2004	ServerWorks GC-SL	2	Xeon at up to 3.2 GHz	4 GB	4, ECC DDR 266		
420 SC ^[180]	Tower	2004	Intel E7221	1	Pentium 4 or Celeron	4 GB	4, ECC DDR2 400–533		
1420 SC ^[181]	Tower	2004	Intel E7520	2 Socket 604	Xeon, 800Mhz FSB	8 GB	6, ECC DDR2-400	(3) internal 3.5" (2) 5.25 external up to 4 HDD	
1425 SC ^[182]	1U Rack		Intel E7520	2	Xeon, 800Mhz FSB	12 GB	6, ECC DDR2 400	up to 4 HDD	
430 SC ^[183]	Tower	2005	Intel E7230	1 LGA 775	Pentium 4 or Celeron D	4 GB	4, ECC DDR2 533	(2) ext. 5.25" (1) ext. 3.5"	

1430 SC ^[184]	Tower	2006	Intel 5000V	2 LGA 771	Xeon 5300, Xeon 5100, Xeon 5000	16 GB	4, ECC DDR2 533-667 MHz	(2) int. 3.5"
1435 SC ^[185]	1U Rack	2007	Broadcom HT-2100 and HT-1000	2 Socket F	Opteron 2200 or 2300	32 GB	8, ECC DDR2 667	1 slimline bay
440 SC ^[186]	Tower	2006	Intel 3000	1	Xeon 3000, Pentium D or Celeron D	8 GB	4, ECC DDR2 533-667	2 3.5" SATA or SAS 2 5.25" Although Dell's literature says the max RAM is 4GB, several people have had success running it with 8GB RAM total

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