

Dell EMC PowerEdge T40 and T30 server comparison matrix

The PowerEdge T40 system has the following features compared with the T30 system.

Feature	PowerEdge T40	PowerEdge T30
Processor	Intel® Xeon® E-2224G processor with up to 6 cores	Intel® Xeon® processor E3-1225 v5 with up to 4 cores
	Intel® Pentium® G5400 processor with up to 2 cores (China Only)	Intel® Pentium® G4400 processor with up to 2 cores
	Intel® Core i3® 9100 processor with up to 4 cores (China Only)	Intel® Core i3® 6100 processor with up to 2 cores
Chipset	Intel® C246 Chipset	Intel® C236 Chipset
Memory		
DIMM Speed	Up to 2666MT/s (ECC)	Up to 2133MT/s (ECC)
	Up to 2400MT/s (Non-ECC)	Up to 2400MT/s (Non-ECC)
Memory Type	UDIMM	UDIMM
Memory Module Slots	4 DDR4 DIMM slots	4 DDR4 DIMM slots
Maximum RAM	UDIMM 64GB	UDIMM 64GB
Storage		
Front Bays	Up to 3 x 3.5" SATA (HDD), max 12TB (Cabled drives)	6 x SATA HDDs (4 x 3.5" + optional 2 x 2.5") (Cabled drives)
Storage Controllers		
Software RAID	Intel® VROC 6.x	Intel Rapid Storage Controller 12.0 (supports SATA 6Gb/s or SATA 3Gb/s)
Operating Systems	Canonical® Ubuntu® Server LTS 18.04	Canonical® Ubuntu® Server 14.04 or 16.04
	Microsoft® Windows Server® LTSC with Hyper-V 2016, 2019	Microsoft® Windows Server® 2012, R2 2012
		Red Hat® Enterprise Linux®
Security	Cryptographically signed firmware	Cryptographically signed firmware
	Secure Boot	Secure Boot
	Intel® SGX (Software Guard Extensions)	Intel® SGX (Software Guard Extensions)
	TPM 2.0 (Not in China & Russia)	TPM 1.2 (Not in China & Russia)
Management		
Embedded/At-the-Server	Intel® AMT 12.0 (Xeon processor)	Intel AMT 11.0 (Xeon processor)
	Intel® Standard Manageability (Pentium processor / i3 processor)	Intel Standard Manageability (Pentium processor / i3 processor)

Feature	PowerEdge T40	PowerEdge T30
Power Supply	300W AC Bronze Cabled PSU	290W AC Bronze Cabled PSU
	1 fan	1 fan
Ports		
Network Options	1 x 1GbE	1 x 1GbE
Front Ports	2 x USB 2.0	2 x USB 2.0
	2 x USB 3.1	2 x USB 3.0
Rear Ports	2 x PS2	2 x PS2
	2 x Display Port	2 x Display Port
	1 x Serial	1 x RS232 Serial
	1 x Audio	1 x Audio
	2 x USB 2.0	2 x USB 2.0
	4 x USB 3.1	4 x USB 3.0
Slots		
PCIe	1 x Gen3 slot (1 x16)	2 x Gen3 slots (2 x16)
	2 x Gen3 slots (2 x4)	1 x Gen3 slot (1 x8)
	1 x Gen3 slot (1 x8)	1 x Gen3 slot (1 x4)
Video Card	Intel UHD Graphics P630 for Intel Xeon E processor	Intel® HD Graphics P530 for Intel Xeon E3-1200 v5 processor
	Intel UHD Graphics 630 for Intel Core i3 processor	Intel® HD Graphics 530 for Intel Core i3 series processor
	Intel UHD Graphics 610 for Intel Pentium Gold processor	Intel® HD Graphics 510 for Intel Pentium processor
Bezel	100% Attached to chassis	100% Attached to chassis
Form Factor	Mini Tower	Mini Tower
Dimensions and Weight		
Height	335.0mm (13.2")	359.9mm (14.17")
Width	176.53mm (7.0")	175mm (6.89")
Depth	359.50mm (14.2")	434.85mm (17.12")
Weight	8.4kg (18.52lb)	11.70kg (25.70lb)

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