

Dell T140 Servers VS Lenovo ST50 Servers

Server Model		Dell PowerEdge T140 Tower Server	Lenovo ThinkSystem ST50 Tower Server
Advantages of Dell Servers		Dell supports 4 PCIe slots; Lenovo supports 3 PCIe slots; Dell supports network card Broadcom® 5720 dual-port network card; Lenovo supports one 1GbE RJ45 Ethernet port	
Disadvantages of Dell Servers		Lenovo ST50 server supports the graphics processing units (GPUs)	
Performances	Processor	<ul style="list-style-type: none"> •Intel® Xeon® processor E-2100 product family •Intel® Core™ i3 •Intel® Pentium® •Intel® Celeron® 	<ul style="list-style-type: none"> •Intel Xeon E-2100 Series processor up to 3.8 GHz •Intel Core i3-8100/8300 Series processor up to 4 GHz •Intel Pentium G5400/G5500/G5600 Series processor up to 3.9 GHz •Intel Celeron G4900 Series processor up to 3.2 GHz
	Front Side Bus	2666MT/s	2666MT/s
	RAM	<ul style="list-style-type: none"> •Architecture: Up to 2666MT / ss DDR4 UDIMM •Memory type: UDIMM •Number of memory module slots: 4 •Maximum memory capacity: up to 64 GB 	<ul style="list-style-type: none"> •Architecture: Up to 2666MT / ss DDR4 UDIMM •Memory type: UDIMM •Number of memory module slots: 4 •Maximum memory capacity: up to 64 GB
	Chipset	Intel® C246	Intel® C246
	USB	Rear IO <ul style="list-style-type: none"> •2 USB3.0 + 4 USB 2.0 Front IO <ul style="list-style-type: none"> •1 USB 3.0 •1 Micro USB 2.0 (dedicated iDRAC Direct) •1 Internal USB 3.0 	<ul style="list-style-type: none"> •2 Front USB 3.1 G1 ports; •2 Back-end USB 3.1 G1 ports and •2 Rear USB 2.0 ports; •1 Serial port; •2 DisplayPort (DP; optional DP-to-VGA and DP-to-HDMI adapters); •1 Audio output (for Microsoft client operating systems only)

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	I/O Slots	4 PCIe Slots: <ul style="list-style-type: none"> • 1 x 8 PCIe 3.0 (x16 interface) • 1 x 8 PCIe 3.0 (x8 interface) • 1 x 4 PCIe 3.0 (x8 interface) • 1 x 1 PCIe 3.0 (x1 interface) 	3 PCIe Slots: <ul style="list-style-type: none"> • 1 x 8 PCIe 3.0 (x16 interface) • 1 x 4 PCIe 3.0 (x8 interface) • 1 x 1 PCIe 3.0 (x1 interface) physical connector
	Network Card	Onboard: Broadcom® 5720 dual port network card; Integrated BROADCOM BCM5720 Gigabit Ethernet Controller	One 1GbE RJ45 Ethernet port
Scalability	Processor	Single CPU, non-scalable	Single CPU, non-scalable
	Hard drive capacity	<ul style="list-style-type: none"> • Up to 4 3.5-inch wired HDD hard drives, up to 16TB; • 3.5" Enterprise SATA 7.2K HDDs • 3.5" Near Line SAS 7.2K HDDs • 3.5" 7.2K SATA Client Drives • 1 TB ,2 TB ,4 TB (4TB requires PERC H330 or H730P) 	<ul style="list-style-type: none"> • 4x; • Three 3.5-inch + one 5.25-inch fixed, or four 3.5-inch fixed (the fourth requires a 5.25-inch to 3.5-inch optical drive conversion kit); • Supports mixed HDD and SSD configurations; • 5.25-inch bay supports optical drives or tapes Drive (unless converted to 3.5 inches); • Single SD card (32GB) or dual redundant SD card (32GB / 64GB)
	DIMMs	DDR4 ECC Unbuffered (UDIMM)	TruDDR4 ECC RAM
	RAID Controller	Software and hardware RAID, Internal PERC and plug-in card options: S140, H330 +, H730P +	Intel RSTe software RAID support; supports multiple hardware RAID configurations
Usability	Chassis	5U Tower	4U Tower
	DVD	Support DVD read-write optical drive and DVD ROM optical drive	Support DVD read-write optical drive and DVD ROM optical drive
	Power Supply	Single wired 365W PSU	One 80 PLUS Platinum power supply with up to 92% efficiency; 250W or 400W

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Management	Software	System Management: iDRAC9 with Lifecycle Controller: Basic, Express and Enterprise	Intel AMT 12.0; Lenovo XClarity Provisioning Manager-USB version; TPM 1.2 embedded (upgradable to TPM 2.0)
	Operating system compatibility	WS2019*, WS2016, WS2012 R2, RHEL, SUSE, Ubuntu, CentOS, VMWare ESXi, Citrix Xen Server	Microsoft、SUSE、Red Hat、VMware vSphere、CentOS
Services	Length of service	1 year / 2 years / 3 years / 4 years / 5 years / 6 years / 7 years	1 and 3 year limited warranty and onsite service
	Phone support	7*24	Next business day 9x5 service
	On-site response	NBD or 4-hour onsite service	/
	Upgrade service	4 hours diagnostic service (3, 4, 5 years)	Optional service upgrade

Related Sources

Learn More about the server comparisons of Dell and competitors:

[Dell T340 Servers VS Lenovo ST250 Servers](#)

[Dell T440 Servers VS Lenovo ST550/ST558 Servers](#)

[Dell T640 Servers VS HPE ML350 Servers VS Lenovo ST550 Servers](#)

[Dell R240 Servers VS Lenovo SR150 Servers](#)

[Dell R340 Servers VS Lenovo SR250 Servers](#)

[Dell R440 Servers VS H3C R2700 Servers VS Lenovo SR530/SR570](#)

[Dell R540 Servers VS H3C R2900 Servers VS Lenovo SR550/SR590 Servers](#)

[Dell R640 Servers VS Servers of HPE, H3C, Lenovo, Huawei, Inspur and Sugon](#)

[Dell R740 Servers VS Servers of HPE, H3C, Lenovo, Huawei, Inspur and Sugon](#)

[Dell R840 Servers VS HPE DL560 VS Lenovo SR850 VS Huawei RH2488 VS Inspur NF8260 Servers](#)

[Dell R940 Servers VS Servers of HPE, H3C, Lenovo, Huawei, Inspur and Sugon](#)

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