

ThinkServer RS160 Platform Specifications

Product Specifications Reference (PSREF)

Components	Specification	Components	Specification		
Dimensions	1U rack. Height: 43.2 mm (1.7 in), width: 438.5 mm (17.26 in), depth: 393.7 mm (15.5 in)	Power supply	One fixed 300 watts power supply, Non-hot swap. 80 PLUS Gold qualified		
Weight	Minimum configuration: 6.2 kg (13.67 lb), maximum: 7.6 kg (16.76 lb)	Graphics	Onboard Aspeed AST2400		
Processor	Up to one Intel Xeon E3-1200 v5, Core i3, Pentium, or Celeron family processor. <i>Processors in italic will be available on November 2016.</i>	Front ports	Two USB 2.0		
	Xeon E3-1280 v5	4C/3.7GHz/8MB/80W/DDR4-2133	Rear ports	One VGA, four USB 3.0, one RJ-45 (dedicated mgmt), two ethernet, one serial (9-pin)	
	Xeon E3-1270 v5	4C/3.6GHz/8MB/80W/DDR4-2133	Cooling	3 fans for processor, PCIe slot, and disk drives	
	Xeon E3-1240 v5	4C/3.5GHz/8MB/80W/DDR4-2133	Noise emissions	Operating: < 5.9 Bels. Idle: < 5.2 Bels (Maximum configuration)	
	Xeon E3-1230 v5	4C/3.4GHz/8MB/80W/DDR4-2133	Environmental specification	Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)
	Xeon E3-1220 v5	4C/3GHz/8MB/80W/DDR4-2133		Temperature - non operating (with package)	-40 °C to 60 °C
	Core i3-6320	2C/3.9GHz/4MB/51W/DDR4-2133		Altitude - operating	(Unpressurized): 0-10000ft (0-3048m)
	Core i3-6300	2C/3.8GHz/4MB/51W/DDR4-2133		Humidity - operating	8%-80%, non-condensing
	Core i3-6100	2C/3.7GHz/3MB/51W/DDR4-2133		Humidity - storage (with package)	10%-90%, non-condensing
	Pentium G4520	2C/3.6GHz/3MB/51W/DDR4-2133		Expansion slots	
	Pentium G4500	2C/3.5GHz/3MB/51W/DDR4-2133		Supports one PCIe slot via optional riser card	
	Pentium G4400	2C/3.3GHz/3MB/54W/DDR4-2133	Slot 1 (riser card 1) PCIe 3.0 x16, half length, half height		
	<i>Xeon E3-1260L v5</i>	<i>4C/2.9GHz/8MB/45W/DDR4-2133</i>			
	<i>Xeon E3-1240L v5</i>	<i>4C/2.1GHz/8MB/25W/DDR4-2133</i>			
	<i>Xeon E3-1225 v5</i>	<i>4C/3.3GHz/8MB/80W/DDR4-2133</i>			
	<i>Celeron G3920</i>	<i>2C/2.9GHz/2MB/51W/DDR4-2133</i>			
	<i>Celeron G3900</i>	<i>2C/2.8GHz/2MB/51W/DDR4-2133</i>			
<i>Celeron G3900T</i>	<i>2C/2.6GHz/2MB/35W/DDR4-2133</i>				
Chipset	Intel C232 Platform Controller Hub (PCH)				
Memory DIMMs	4 DIMM sockets with 2 channels, 2 DIMMs per channel. UDIMM . DDR4-2133				
Memory capacity	64GB (16GB x 4)				
Memory protection	ECC				
RAID controller	RAID controller	Drive type	RAID support	Compatible models	
	Onboard RAID12i	6Gbs SATA	0/1/5/10	2x3.5", 4x2.5"	
	RAID520i PCIe	12Gbs SAS/SATA	0/1/10, 5 with optional key	2x3.5", 4x2.5"	
	RAID720i PCIe	12Gbs SAS/SATA	0/1/10/5, 6 with optional cache	2x3.5", 4x2.5"	
	Optional cache for RAID720i: 1GB DDR3 memory. 1GB, 2GB, or 4GB flash with super capacitor. Flash options include CacheVault, CacheCade Pro, and FastPath.				
Disk drive bays	Supports two 3.5" or four 2.5" disk drive bays. Non-hot swap. Cables are connected to onboard SATA connectors or PCIe RAID controller. Also supports one M.2 SATA SSD				
Supporting storage	3.5" HDD, 7.2K SATA6Gbs	1TB/2TB/4TB/6TB/8TB			
	3.5" HDD, 7.2K SAS12Gbs	1TB/2TB/4TB/6TB/8TB			
	2.5" HDD, 7.2K SATA6Gbs	1TB/2TB			
	2.5" HDD, 10K SAS12Gbs	300GB/600GB/900GB/1.2TB			
	2.5" SSD, SATA6Gbs	120GB/240GB/480GB/960GB			
	M.2 SATA SSD	32GB/128GB (128GB M.2 SATA SSD will be available on November 2016)			
Optical drive	Optional one 9.5mm optical. DVD-ROM or DVD±RW				
Network interfaces	One dedicated management port, two Gigabit Ethernet ports. Supports optional discrete network adapters via riser card				
Security features	Power-on and administrator password. Optional TPM (TCG 1.2-compliant)				
Systems management	UEFI. Onboard Aspeed AST2400 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Control Panel LEDs shows the status of power, ID, disk drives, network, system. Supports the following management software: EasyStartup, Power Planner. On November 2016, EasyUpdate, Lenovo ThinkServer Diagnostics Standalone, ToolsCenter Suite CLI inventory module on ThinkServer, and Lenovo xClarity Administrator will be available				
Operating systems	Microsoft Windows Server 2012 R2/2012. Red Hat Enterprise Linux 6.7/6.8/7.2. SUSE Linux Enterprise Server 11/12. VMware vSphere (ESXi) 6.0Ub/U2				
Base warranty	1 or 3-year limited onsite service with 9x5/NBD				