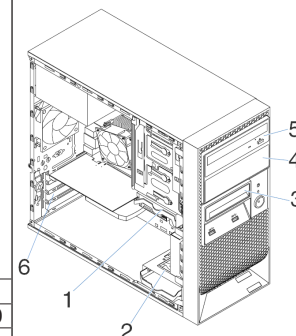


# ThinkServer TS150 Platform Specifications

Product Specifications Reference (PSREF)

Components	Specification									
Dimensions	Tower or 4U rack. Height: 375 mm (14.76 in), width: 175 mm (6.89 in), depth: 431 mm (16.97 in)									
Weight	Maximum configuration: 27.6 lb (12.5kg)									
Processor	One Intel "Kaby Lake" or "Skylake" processor as listed: "Kaby Lake" processors:									
	Xeon E3-1280 v6 4C/3.9GHz/8MB/72W/DDR4-2400									
	Xeon E3-1275 v6 4C/3.8GHz/8MB/73W/DDR4-2400									
	Xeon E3-1270 v6 4C/3.8GHz/8MB/72W/DDR4-2400									
	Xeon E3-1245 v6 4C/3.7GHz/8MB/73W/DDR4-2400									
	Xeon E3-1240 v6 4C/3.7GHz/8MB/72W/DDR4-2400									
	Xeon E3-1230 v6 4C/3.5GHz/8MB/72W/DDR4-2400									
	Xeon E3-1225 v6 4C/3.3GHz/8MB/73W/DDR4-2400									
	Xeon E3-1220 v6 4C/3GHz/8MB/72W/DDR4-2400									
	Core i3-7320 2C/4.1GHz/4MB/51W/DDR4-2400									
	Core i3-7300T 2C/3.5GHz/4MB/35W/DDR4-2400									
	Core i3-7300 2C/4GHz/4MB/51W/DDR4-2400									
	Core i3-7100T 2C/3.4GHz/3MB/35W/DDR4-2400									
	Core i3-7100 2C/3.9GHz/3MB/51W/DDR4-2400									
	Pentium G4620 2C/3.7GHz/3MB/51W/DDR4-2400									
	Pentium G4600T 2C/3GHz/3MB/35W/DDR4-2400									
	Pentium G4600 2C/3.6GHz/3MB/51W/DDR4-2400									
	Pentium G4560T 2C/2.9GHz/3MB/35W/DDR4-2400									
	Pentium G4560 2C/3.5GHz/3MB/54W/DDR4-2400									
	Celeron G3950 2C/3GHz/2MB/51W/DDR4-2133									
	Celeron G3930T 2C/2.7GHz/2MB/35W/DDR4-2133									
	Celeron G3930 2C/2.9GHz/2MB/51W/DDR4-2133									
	"Skylake" processors:									
	Xeon E3-1280 v5 4C/3.7GHz/8MB/80W/DDR4-2133									
	Xeon E3-1270 v5 4C/3.6GHz/8MB/80W/DDR4-2133									
	Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133									
	Xeon E3-1230 v5 4C/3.4GHz/8MB/80W/DDR4-2133									
	Xeon E3-1220 v5 4C/3GHz/8MB/80W/DDR4-2133									
	Xeon E3-1275 v5 4C/3.6GHz/8MB/80W/DDR4-2133									
	Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133									
	Xeon E3-1225 v5 4C/3.3GHz/8MB/80W/DDR4-2133									
	Core i3-6320 2C/3.9GHz/4MB/51W/DDR4-2133									
	Core i3-6300 2C/3.8GHz/4MB/51W/DDR4-2133									
	Core i3-6300T 2C/3.3GHz/4MB/35W/DDR4-2133									
	Core i3-6100 2C/3.7GHz/3MB/51W/DDR4-2133									
	Core i3-6100T 2C/3.2GHz/3MB/35W/DDR4-2133									
	Pentium G4520 2C/3.6GHz/3MB/51W/DDR4-2133									
	Pentium G4500 2C/3.5GHz/3MB/51W/DDR4-2133									
	Pentium G4500T 2C/3GHz/3MB/35W/DDR4-2133									
	Pentium G4400 2C/3.3GHz/3MB/54W/DDR4-2133									
	Pentium G4400T 2C/2.9GHz/3MB/35W/DDR4-2133									
	Celeron G3920 2C/2.9GHz/2MB/51W/DDR4-2133									
	Celeron G3900 2C/2.8GHz/2MB/51W/DDR4-2133									
	Celeron G3900T 2C/2.6GHz/2MB/35W/DDR4-2133									
	Chipset	Intel C236 Platform Controller Hub (PCH)								
Memory DIMMs	4 DIMM sockets with 2 channels, 2 DIMMs per channel. UDIMM. Up to DDR4-2400									
Memory capacity	64GB (16GB x 4)									
Memory protection	ECC									
RAID controller	<table border="1"> <thead> <tr> <th>RAID controller</th> <th>Drive type</th> <th>RAID support</th> </tr> </thead> <tbody> <tr> <td>Onboard RAID121i</td> <td>6Gbs SATA</td> <td>0/1/5/10</td> </tr> <tr> <td>RAID520i PCIe</td> <td>12Gbs SAS/SATA</td> <td>0/1/10, 5 with optional key</td> </tr> </tbody> </table>	RAID controller	Drive type	RAID support	Onboard RAID121i	6Gbs SATA	0/1/5/10	RAID520i PCIe	12Gbs SAS/SATA	0/1/10, 5 with optional key
RAID controller	Drive type	RAID support								
Onboard RAID121i	6Gbs SATA	0/1/5/10								
RAID520i PCIe	12Gbs SAS/SATA	0/1/10, 5 with optional key								
Disk bays	Supports up to four 3.5" or hybrid 3.5" + 2.5" disk drives, or up to five 2.5" disk drives. one 9.5mm optical (see right). Non-hot swap. Cables are connected to onboard SATA connectors or PCIe RAID controller. Supports one optional internal USB RDX Tape drive									
Supporting storage	<table border="1"> <tbody> <tr> <td>3.5" HDD, 7.2K SATA6Gbs</td> <td>500GB/1TB/2TB/3TB/4TB/5TB/6TB/10TB</td> </tr> <tr> <td>2.5" HDD, 7.2K SATA6Gbs</td> <td>500GB/1TB/2TB</td> </tr> <tr> <td>2.5" SSD, SATA6Gbs</td> <td>120GB/240GB/480GB/600GB/800GB/960GB</td> </tr> </tbody> </table>	3.5" HDD, 7.2K SATA6Gbs	500GB/1TB/2TB/3TB/4TB/5TB/6TB/10TB	2.5" HDD, 7.2K SATA6Gbs	500GB/1TB/2TB	2.5" SSD, SATA6Gbs	120GB/240GB/480GB/600GB/800GB/960GB			
3.5" HDD, 7.2K SATA6Gbs	500GB/1TB/2TB/3TB/4TB/5TB/6TB/10TB									
2.5" HDD, 7.2K SATA6Gbs	500GB/1TB/2TB									
2.5" SSD, SATA6Gbs	120GB/240GB/480GB/600GB/800GB/960GB									

Components	Specification	
SD module	Optional. Up to 2 SDHC flash cards via SD module, 8GB each	
Optical drive	Up to two half-height optical drives or one 9.5mm optical. DVD-ROM or DVD±RW	
Network interfaces	One Gigabit Ethernet port, Intel i219LM. Supports optional discrete network adapters via PCIe slots	
Security features	Power-on and administrator password. TPM (TCG 1.2-compliant)	
Systems management	UEFI, system LEDs, EasyStartup, EasyUpdate, Power Planner, and Diagnostics. Intel Active Management Technology 11 on models with Xeon processors. Intel Standard Manageability on models with Core i3, Pentium, or Celeron processors. KVM is supported on models with Xeon E3-12x5 v5 processors	
Operating systems	Microsoft Windows Server 2016/2012 R2/2012, Windows MultiPoint Server 2012, Windows 10 Pro. Red Hat Enterprise Linux 6.7/7.2. SUSE Linux Enterprise Server 11/12. VMware vSphere (ESXi) 5.5U3/6.0U2	
Base warranty	1 or 3-year limited onsite service with 9x5/NBD	
Power supply	Supports one of the following: • One fixed 250 watts, autosensing, 85%, 80 PLUS Bronze qualified • One fixed 400 watts, autosensing, 92%, 80 PLUS Platinum qualified	
Graphics	Integrated Intel HD Graphics on Xeon E3-12x5 v5, Core i3, Pentium, and Celeron processors. Uses main memory, works along with discrete graphics to support multi-display, enables two display connectors (1 DP, 1 VGA) on rear ports. Also supports the following discrete graphics adapter options: • NVIDIA Quadro NVS 315, 1GB • NVIDIA Quadro K620, 2GB	
HD Audio	Realtek ALC662 codec	
Front ports	Two USB 3.0	
Rear ports	One VGA, one DisplayPort, six USB 3.0, one RJ-45, one serial (9-pin), three analog audio ports (line-in, line-out, mic-in). Optional parallel or serial ports via PCIe adapters	
Noise emissions	Operating: < 35 dB(A). Idle: < 34 dB(A) (Maximum configuration)	
Environmental specification	Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)
	Temperature - non operating (with package)	-40 °C to 60 °C
	Altitude - operating	(Unpressurized): 0-10000ft (0-3048m)
	Humidity - operating	8%-80%, non-condensing
	Humidity - storage (with package)	10%-90%, non-condensing



## Disk Bays and PCIe Slots

	4 x 3.5"	5 x 2.5"	4 x hybrid 3.5" + 2.5"
Bay 1	1st HDD bay	1st HDD bay	1st HDD bay, 3.5"/2.5"
Bay 2	2nd HDD bay	2nd HDD bay	2nd HDD bay, 3.5"/2.5"
Bay 3	Not supported	3rd HDD bay	Not supported on standard models. Supports one 2.5" disk drive for special bid only
Bay 4	2nd half-height optical, or RDX tape drive, or 3rd HDD bay	2nd half-height optical, or RDX tape drive, or 4th HDD bay	2nd half-height optical, or RDX tape drive, or 3rd HDD bay (3.5"/2.5")
Bay 5	1st half-height optical, or 9.5mm optical + 4th HDD bay	1st half-height optical, or 9.5mm optical + 5th HDD bay	1st half-height optical, or 9.5mm optical + 4th HDD bay (3.5"/2.5")
6	Four PCIe slots (top-down): Slot 1: PCIe 3.0 x16, full height, half length (near CPU) Slot 2: PCIe 3.0 x1, full height, half length Slot 3: PCIe 3.0 x16 (x4 elec), full height, half length Slot 4: PCIe 3.0 x1, full height, half length		

<b>Model</b>	<b>70LX0018UX</b>
Product	ThinkServer TS150
Region	US
Machine Type	70LX
TopSeller	TopSeller
Processor	Xeon E3-1275 v5 4C/3.6GHz/8MB/80W/DDR4-2133
Memory	1x8GB UDIMM DDR4-2133 ECC
RAID Controller	RAID 121i
Disk Bays	Up to 5x2.5" DC
Storage	Open
Optical	None
Add-on NIC	None
Add-on Ports	None
System Management	AMT
Operating System	None
Warranty	1-year
Power Supply	Fixed 400W Platinum
Ann Date (mm/yy)	08/16