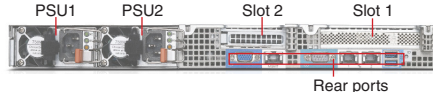


ThinkServer RD350 Platform Specifications

Product Specifications Reference (PSREF)

Components	Specification	Components	Specification	
Dimensions	1U rack. Height: 43 mm (1.7 in), width: 482 mm (19 in), depth: 781.5 mm (30.77 in)	Systems management	Supports ThinkServer System Manager (TSM), optional TSM Premium. UEFI. Onboard Aspeed AST2400 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Control Panel LEDs shows the status of power, ID, network, system. Supports ThinkServer management software: Diagnostics, Deployment Manager, Energy Manager, System Manager, Partner Pack for VMware vCenter and Micro-soft System Center Operations Manager, Power Planner	
Weight	Minimum configuration: 13 kg (28.66 lb), maximum: 19.1 kg (42.11 lb)		Operating systems supported	Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011. Red Hat Enterprise Linux 6.5/6.6/7. SUSE Linux Enterprise Server 11. VMware vSphere (ESXi) 5.1 P5/5.5 U2/6.0
Processor	Up to two 105W Intel Xeon E5-2600 v4 or E5-2600 v3 family processors.		Base warranty	1 or 3-year limited onsite service with 9x5/NBD
	E5-2660 v4		14C/2GHz/35MB/105W/DDR4-2400	Power supply
	E5-2650 v4	12C/2.2GHz/30MB/105W/DDR4-2400		
	E5-2640 v4	10C/2.4GHz/25MB/90W/DDR4-2133		
	E5-2630 v4	10C/2.2GHz/20MB/85W/DDR4-2133		
	E5-2623 v4	4C/2.6GHz/10MB/85W/DDR4-2133	Graphics	Onboard Aspeed AST2400 with 16MB memory, one DisplayPort on front, one VGA on rear.
	E5-2620 v4	8C/2.1GHz/20MB/85W/DDR4-2133		
	E5-2609 v4	8C/1.7GHz/20MB/85W/DDR4-1866		
	E5-2603 v4	6C/1.7GHz/15MB/85W/DDR4-1866		
	E5-2650L v4	14C/1.7GHz/35MB/65W/DDR4-2400	Front ports	Two USB 2.0. One DisplayPort (one VGA on E5-2600 v4 models instead)
	E5-2630L v4	10C/1.8GHz/25MB/55W/DDR4-2133	Rear ports	One VGA, two USB 3.0, one RJ-45 (dedicated mgmt), two ethernet, one serial (9-pin)
	E5-2660 v3	10C/2.6GHz/25MB/105W/DDR4-2133	Cooling	6 (5+1, dual processors) or 4 (3+1, single processor) fans, non-hot swap
	E5-2650 v3	10C/2.3GHz/25MB/105W/DDR4-2133	Noise emissions	Operating: < 6.5 Bels. Idle: < 5.4 Bels (Maximum configuration)
	E5-2640 v3	8C/2.6GHz/20MB/90W/DDR4-1866	Environmental specification	Temperature - operating
E5-2630 v3	8C/2.4GHz/20MB/85W/DDR4-1866	Temperature - non operating (no package)		-10 °C to 60 °C
E5-2623 v3	4C/3GHz/10MB/105W/DDR4-1866	Temperature - non operating (with package)		-40 °C to 70 °C
E5-2620 v3	6C/2.4GHz/15MB/85W/DDR4-1866	Altitude - operating		(Unpressurized): 0-10000ft (0-3048m)
E5-2609 v3	6C/1.9GHz/15MB/85W/DDR4-1600	Humidity - operating		8%~90%, non-condensing
E5-2603 v3	6C/1.6GHz/15MB/85W/DDR4-1600	Humidity - storage (with package)		8%~90%, non-condensing
E5-2650L v3	12C/1.8GHz/30MB/65W/DDR4-2133	Expansion slots		
E5-2630L v3	8C/1.8GHz/20MB/55W/DDR4-1866			
Chipset	Intel C610 Series Chipset			
Memory DIMMs	16 DIMM sockets. 4 channels per processor, 2 DIMMs per channel. RDIMM or LRDIMM (cannot be intermixed), DDR4-2133 or DDR4-2400			
Memory capacity	512GB (RDIMM, 32GB x 16)/1024GB (LRDIMM, 64GB x 16), 2nd CPU is needed	Up to two PCIe 3.0 x 16 slots:		
Memory protection	ECC, memory mirroring, lockstep, and memory sparing			
RAID controller	RAID controller			
				Drive type
	Onboard RAID110i	6Gbs SATA	0/1/10, 5 with optional key	4x3.5" HS/ES, 8x2.5" HS
	RAID500 PCIe	6Gbs SAS/SATA	0/1/10, 5/50 with optional key	4x3.5" HS, 8x2.5" HS
	RAID520i PCIe	12Gbs SAS/SATA	0/1/10, 5/50 with optional key	4x3.5" HS/ES, 8x2.5" HS
	RAID710 PCIe (1GB memory)	6Gbs SAS/SATA	0/1/10/5/50/6/60	4x3.5" HS, 8x2.5" HS
	RAID720i PCIe	12Gbs SAS/SATA	0/1/10/5/50, 6/60 with optional cache	4x3.5" HS/ES, 8x2.5" HS
	Optional cache for RAID 710: CacheVault flash cache with super capacitor, CacheCade Pro, or FastPath.			
	Optional cache for RAID 720/AnyRAID 720i and 720ix: 1GB read-only memory or 1GB/2GB/4GB flash with super capacitor. Flash options include CacheVault, CacheCade Pro, and FastPath. 720ix must have cache.			
	<i>Note: RAID 50 and 60 are available on 8 x 2.5" models only.</i>			
Disk drive bays	Up to 4x3.5" hot-swap, 4x3.5" easy-swap, or 8x2.5" hot-swap disk bays on front. Supports external RDX tape drive via USB.			
Maximum internal storage	3.5" model: up to 48TB with 7.2K SATA or 32TB with 7.2K SAS HDD, up to 7.2TB with 10K SAS HDD, up to 2.4TB with 15K SAS HDD, or up to 6.4TB with SATA SSD.			
	3.5" ES model: up to 12TB with 7.2K SATA, up to 24TB with 7.2K SAS. 2.5" model: up to 16TB with 7.2K SATA HDD, up to 14.4TB with 10K SAS HDD, up to 4.8TB with 15K SAS HDD, or up to 12.8TB with SATA or SAS SSD			
SD module	Up to 2 SDHC flash cards via optional SD module, 8GB or 32GB each			
Optical drive	Optional one 9.5mm optical, DVD-ROM or DVD±RW.			
Network interfaces	One dedicated management port, two Gigabit Ethernet ports (RJ-45). Supports optional discrete network adapters via PCIe slots			
Security features	Power-on and administrator password. Optional TPM (TCG 1.2-compliant)			

For a list of all supported options, please see https://download.lenovo.com/pccbbs/options_iso/ocm_september_2016_thinkserver.xlsx sheet