

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)		
Weight	Minimum configuration: 13 kg (28.66 lb), maximum: 19.1 kg (42.11 lb)		
	Up to two 105W Intel Xeon E5-2600 v4 or E5-2600 v3 family processors.		
Processor	E5-2660 v4	14C/2.6GHz/35MB/105W/DDR4-2400	
	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	
	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	
	E5-2630L v4	10C/1.8GHz/25MB/55W/DDR4-2133	
	E5-2660 v3	10C/2.6GHz/25MB/105W/DDR4-2133	
	E5-2650 v3	10C/2.3GHz/25MB/105W/DDR4-2133	
	E5-2640 v3	8C/2.6GHz/20MB/90W/DDR4-1866	
	E5-2630 v3	8C/2.4GHz/20MB/85W/DDR4-1866	
	E5-2623 v3	4C/3GHz/10MB/105W/DDR4-1866	
	E5-2620 v3	6C/2.4GHz/15MB/85W/DDR4-1866	
	E5-2609 v3	6C/1.9GHz/15MB/85W/DDR4-1600	
	E5-2603 v3	6C/1.6GHz/15MB/85W/DDR4-1600	
	E5-2650L v3	12C/1.8GHz/30MB/65W/DDR4-2133	
	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		
Memory protection	ECC, memory mirroring, lockstep, and memory sparing		
RAID controller	RAID controller	Drive type	RAID support
	Onboard RAID110i	6Gbs SATA	0/1/10, 5 with optional key
	RAID500 PCIe	6Gbs SAS/SATA	0/1/10, 5/50 with optional key
	RAID520i PCIe	12Gbs SAS/SATA	0/1/10, 5/50 with optional key
	RAID710 PCIe (1GB memory)	6Gbs SAS/SATA	0/1/10/5/50/6/60
	RAID720i PCIe	12Gbs SAS/SATA	0/1/10/5/50, 6/60 with optional cache
	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.		
	Note: RAID 50 and 60 are available on 8 x 2.5" models only.		
	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			