## **ThinkServer RD350 Platform Specifications**

Components	Specification							
Dimensions	1U rack. Height:	43 mm (1.7 in), wi	idth: 482 mm (19 in), c	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 E5-26	00 v4 or E5-2600 v3	family processors.				
	E5-2660 v4	14C/2GHz/35MB/10	05W/DDR4-2400					
	E5-2650 v4	12C/2.2GHz/30MB/						
	E5-2640 v4	10C/2.4GHz/25MB/90W/DDR4-2133						
	E5-2630 v4	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							
Processor	E5-2650L v4 14C/1.7GHz/35MB/65W/DDR4-2400							
	E5-2630L v4							
	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							
	E5-2623 v3	4C/3GHz/10MB/105W/DDR4-1866						
	E5-2620 v3							
	E5-2609 v3							
	E5-2603 v3							
	E5-2650L v3	12C/1.8GHz/30MB/6						
	E5-2630L v3	8C/1.8GHz/20MB/55	5W/DDR4-1866					
Chipset	Intel C610 Serie	es Chipset						
Memory DIMMs	16 DIMM socket	ts. 4 channels per i	processor, 2 DIMMs p	er channel.				
	RDIMM or LRDI	IMM (cannot be int	termixed), DDR4-2133	3 or DDR4-2400				
Memory capacity	· · · · · · · · · · · · · · · · · · ·	· ,		x 16), 2nd CPU is needed				
Memory protection		nirroring, lockstep,	and memory sparing					
	RAID controller	Drive type	RAID support	Compatible models				
	Onboard RAID110i	6Gbs SATA	0/1/10, 5 with optional key	4x3.5" HS/ES, 8x2.5" HS				
		001 010/0171	0/1/10,					
	RAID500 PCIe	e 6Gbs SAS/SATA 0/1710, 5/50 with optional key 4x3.5" HS, 8x2.5"						
	RAID520i PCIe	12Gbs SAS/SATA	0/1/10,	4x3.5" HS/ES, 8x2.5" HS				
	RAID710 PCIe	5/50 with optional key						
DAID acceptually	(1GB memory)							
RAID controller	RAID720i PCIe	0; DCIa 100ha CAC/CATA 0/1/10/5/50,						
	NAID7201FCIE	AID720i PCIe 12Gbs SAS/SATA 6/60 with optional cache 4x3.5" HS/ES, 8x2.5						
	Optional cache for RAID 710: CacheVault flash cache with super capacitor, Cache-							
	Cade 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 Cache								
	CacheCade Pro, and FastPath. 720ix must have cache.  Note: RAID 50 and 60 are available on 8 x 2.5" models only.							
Distribution become	Up to 4x3.5" hot	t-swap. 4x3.5" easy	v-swap. or 8x2.5" hot-s	swap disk bays on front.				
Disk drive bays	Supports extern	al RDX tape drive	via USB.					
	3.5" model: up to	o 32TB with 7.2K S	SATA or SAS HDD, up	to 7.2TB with 10K SAS				
Maximum internal	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.							
storage								
	2.5" model: up to	0 16 IB with 7.2K S	SAIA HDD, up to 14.4	TB with 10K SAS HDD, up				
SD module			to 12.8TB with SATA					
	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								
Security leatures	Power-on and administrator password. Optional TPM (TCG 1.2-compliant) Supports ThinkServer System Manager (TSM), optional TSM Premium.							
	UEFI. Onboard Aspeed AST2400 graphics/management processor,							
	IPMI 2.0-compliant baseboard management controller (BMC).							
Customs	IPMI 2.0-complia	ant baseboard mai	nagement controller (F	BMC).				
Systems	IPMI 2.0-complia Control Panel LE	ant baseboard mai EDs shows the sta	tus of power, ID, netwo	BMC). ork, system.				
Systems management	IPMI 2.0-complia Control Panel LE Supports ThinkS	ant baseboard mai EDs shows the sta Server managemei	tus of power, ID, netwo nt software: Diagnostic	BMC). ork, system. cs, Deployment Manager,				
	IPMI 2.0-complia Control Panel LE Supports ThinkS Energy Manage	ant baseboard mai EDs shows the sta Server managemei r, System Manage	tus of power, ID, netwo nt software: Diagnostic	BMC). ork, system.				

Components	Specification						
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						
Base warranty	1 or 3-year limited onsite service with 9x5/NBD						
Power supply	Up to two redundant hot-swap 450W/550W/750W power supplies. 450 W is 80 PLUS Gold qualified. 550W is 80 PLUS Platinum qualified. 750W is 80 PLUS Platinum or Titanium qualified. 750W Titanium is 200V - 240V, others are 110V - 240V.						
l ower supply	Disk bay PSU requirements						
	configuration	450W		550W	750W		
	4x3.5"	•		•	•		
	8x2.5"	•	1.1	•	•		
Graphics	Onboard Aspeed AST2400 with 16MB memory, one DisplayPort on front, one VGA on rear.				front,		
Front ports	Two USB 2.0. One DisplayPort (one VGA on E5-2600 v4 models instead) One VGA, two USB 3.0, one RJ-45 (dedicated mgmt), two ethernet, one serial (9-pin) 6 (5+1, dual processors) or 4 (3+1, single processor) fans, non-hot swap Operating: < 6.5 Bels. Idle: < 5.4 Bels (Maximum configuration)				stead)		
Rear ports							
Cooling					swap		
Noise emissions							
	Temperature - operating		50 °F to 95 °F (10 °C to 35 °C)				
	Temperature - non operating (no package)		-10 °C to 60 °C				
Environmental	Temperature - non operating (with package)		-40 °C to 70 °C				
specification	Altitude - operating		(Unpressurized): 0-10000ft (0-3048m)				
	Humidity - op	umidity - operating		8%~90%, non-condensing			
Humidity - storage (with package)			8%~90%, non-condensing				
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## **Expansion slots**



Rear ports

Up to two PCIe 3.0 x 16 slots:

П	Slot 1	PCIe 3.0 x16, half length, full height, by CPU1
		PCIe 3.0 x16, low-profile, half length, requires 2nd riser card and 2nd CPU
		PCIe 3.0 x16 (x8 electrical), low-profile, half length, by CPU1, requires 2nd riser card

For a list of all supported options, please see <a href="https://download.lenovo.com/pccbbs/options">https://download.lenovo.com/pccbbs/options</a> iso/ocm\_september\_2016\_thinkserver.xlsx\_sheet

Model	70QK0009EA
Product	ThinkServer RD350
Region	EMEA
Machine Type	70QK
TopSeller	TopSeller
Processor	1xE5-2603 v4 6C/1.7GHz/15MB/85W/DDR4-1866
2nd CPU	4XG0G89089
Memory	1x8GB RDIMM DDR4-2400 ECC
RAID Controller	RAID 110i
Disk Bays	4x3.5" HS
Storage	Open
Slots	1xFHHL
Optical	9.5mm DVD±RW
Add-on NIC	None
TPM	None
System Management	TSM
Operating System	None
Warranty	3-year
Power Supply	450Wx1 Gold
Ann Date (mm/yy)	04/16

















