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							
Processor	E5-2630L v4	10C/1.8GHz/25MB/55W/DDR4-2133						
	E5-2660 v3 E5-2650 v3	10C/2.6GHz/25MB/105W/DDR4-2133						
	E5-2640 v3							
	E5-2630 v3	8C/2.4GHz/20MB/90W/DDR4-1866 8C/2.4GHz/20MB/85W/DDR4-1866						
	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 5/50 with optional key 4x3.5" HS, 8x2.8						
	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; DOI: 100h; 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.							
storage	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							
	2.5" model: up to	0 16 IB with 7.2K S	SAIA HDD, up to 14.4	IB 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.						
. one. capp.y	Disk bay PSU requirements						
	configuration	450W		550W	750W		
	4x3.5"	•		•	•		
	8x2.5"	•		•	• -		
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)				stead)		
Rear ports	One VGA, two USB 3.0, one RJ-45 (dedicated mgmt), two ethernet, one serial (9-pin)						
Cooling	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)				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 - 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 https://download.lenovo.com/pccbbs/options iso/ocm_september_2016_thinkserver.xlsx_sheet

Model	70QK000DEA
Product	ThinkServer RD350
Region	EMEA
Machine Type	70QK
TopSeller	TopSeller
Processor	1xE5-2609 v4 8C/1.7GHz/20MB/85W/DDR4-1866
2nd CPU	4XG0G89084
Memory	1x8GB RDIMM DDR4-2400 ECC
RAID Controller	520i PCle
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

















