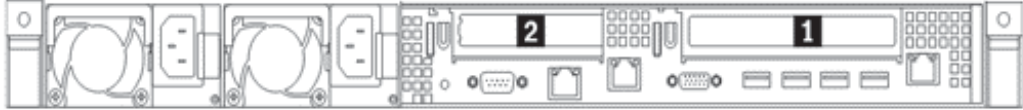


ThinkServer RD340 Platform Systems Specifications - I of II

Components	Specifications																									
Mechanical	<ul style="list-style-type: none"> • 1U rack with rail kit • 19" W x 28.9" D x 1.72" H (with rack handles) • 482.4mm W x 734mm D x 43.6mm H (with rack handles) • 17kg (37.5 lb) when fully configured 																									
Chipset	Intel C606 Chipset																									
Processors	Two LGA1356 sockets, supports up to two processors from Intel Xeon E5-2400 or Xeon E5-2400 v2 families, up to 8 cores (E5-2400 series)/10 cores (E5-2400 v2 series), one QPI links up to 8.0GT/s, up to 20MB (E5-2400 series)/25MB (E5-2400 v2 series) cache, integrated 3-channel DDR3 memory controller up to 1600MHz																									
Memory type	1600MHz, LV RDIMM*, DDR3, 3-channel per processor, 240-pin * By default, the voltage of LV RDIMM is 1.5V and can be changed to 1.35V in BIOS setting																									
Memory DIMMs	Twelve DIMM sockets, six DIMM sockets per processor																									
Memory protection	ECC, memory mirroring, memory sparing																									
Disk bays configurations	Supports one of the following configurations <ul style="list-style-type: none"> • 4 x 3.5" disk bays + 1 x slim optical bay • 6 x 2.5" disk bays + 1 x slim optical bay • 8 x 2.5" disk bays 																									
RAID support*	<table border="1"> <thead> <tr> <th>RAID adapter</th> <th>RAID support**</th> <th>Cache</th> <th>Transfer rates</th> <th>Optional upgrades</th> </tr> </thead> <tbody> <tr> <td>RAID 300 (onboard)</td> <td>0, 1, 10</td> <td></td> <td>6Gb/s</td> <td>optional upgrade key, add RAID 5 support</td> </tr> <tr> <td>RAID 500 (LSI 9240-8i)</td> <td>0, 1, 10</td> <td></td> <td>6Gb/s</td> <td>optional upgrade key, add RAID 5, 50 support</td> </tr> <tr> <td>RAID 700 (LSI 9260-8i)</td> <td>0, 1, 10, 5, 50, 6, 60</td> <td>512MB</td> <td>6Gb/s</td> <td>optional intelligent Battery Backup Unit (iBBU08)</td> </tr> <tr> <td>RAID 710 (LSI 9270CV-8i)</td> <td>0, 1, 10, 5, 50, 6, 60</td> <td>1GB</td> <td>6Gb/s</td> <td> <ul style="list-style-type: none"> • optional CacheVault (CV) flash cache with super capacitor • optional CacheCade Pro 2.0 • optional FastPath key </td> </tr> </tbody> </table> <p>* RAID 50, 60 are supported on 8 x 2.5" disk bay models only</p>	RAID adapter	RAID support**	Cache	Transfer rates	Optional upgrades	RAID 300 (onboard)	0, 1, 10		6Gb/s	optional upgrade key, add RAID 5 support	RAID 500 (LSI 9240-8i)	0, 1, 10		6Gb/s	optional upgrade key, add RAID 5, 50 support	RAID 700 (LSI 9260-8i)	0, 1, 10, 5, 50, 6, 60	512MB	6Gb/s	optional intelligent Battery Backup Unit (iBBU08)	RAID 710 (LSI 9270CV-8i)	0, 1, 10, 5, 50, 6, 60	1GB	6Gb/s	<ul style="list-style-type: none"> • optional CacheVault (CV) flash cache with super capacitor • optional CacheCade Pro 2.0 • optional FastPath key
RAID adapter	RAID support**	Cache	Transfer rates	Optional upgrades																						
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RAID 710 (LSI 9270CV-8i)	0, 1, 10, 5, 50, 6, 60	1GB	6Gb/s	<ul style="list-style-type: none"> • optional CacheVault (CV) flash cache with super capacitor • optional CacheCade Pro 2.0 • optional FastPath key 																						
Optical drive (optional)	4 x 3.5"/6 x 2.5" models: one slim optical bay, supports one optional slim optical 8 x 2.5" models: none optical bay, optional external USB optical is needed																									
Onboard network	Two Gigabit Ethernet ports by Intel i350, one Gigabit Ethernet port by Intel 82574L, dedicate/share management																									
Front ports	One analog VGA DB-15 connector (for 6 x 2.5"/8 x 2.5" models), two USB 2.0																									
Rear ports	Four USB 2.0, one serial (9-pin), two ethernet (RJ-45), one RJ-45 (dedicate/share mgmt), one analog VGA DB-15 connector																									
Expansion Slots	 <p>Two PCI-Express slots via two riser cards, riser card 1 for slot 1, riser card 2 for slot 2 Slot 1: half-length, full-height, PCI Express 3.0 x16 Slot 2: Low Profile, PCI Express 3.0 x8 (x4 elec for single processor model, x8 elec for dual processors model)</p>																									
Graphics	Onboard Aspeed AST2300 graphics/management processor, one VGA DB-15 on front, one VGA DB-15 on rear; Maximum resolution: 1920x1200@60Hz																									
Intelligent Diagnostics Module (optional)	Supports optional Intelligent Diagnostics Module (IDM) basic, IDM basic LED lights indicate failing component category																									
Systems management (iKVM is optional)	<ul style="list-style-type: none"> • Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); optional ThinkServer Management Module Premium for iKVM functions • Front control panel LEDs shows the status of power, ID, network, system • Lenovo SmartGrid Manager • ThinkServer EasyStartup/EasyManage/EasyUpdate 																									
Cooling fans	6 fans, non-hot swap, 5 + 1 redundant																									
Cable mgmt (opt)	Optional cable management arm on selected models																									

ThinkServer RD340 Platform Systems Specifications - II of II

Components	Specifications			
Power supply	One or two 550 watts standard, two maximum, rear access, hot-swap, 80 PLUS Gold qualified, redundant with two power supplies			
Hot-swap parts	Disk drives, power supplies, and cooling fans			
Security features (TPM is optional)	Power-on password/administrator password/Trusted Platform Module (TCG 1.2-compliant)			
Safety, environment, and certifications	Environmental certifications	<ul style="list-style-type: none"> • Energy Star Server 2.0 qualified • RoHS-compliant 		
	EMC	FCC Class A, CSA, CE		
	240VA	Supports		
	Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)		
	Temperature - non operating (no package)	-10 °C to 60 °C		
	Temperature - non operating (with package)	-40 °C to 70 °C		
	Altitude - operating	Supported Altitude (unpressurized): 0-10000ft (0-3048m)		
	Humidity - operating	8%~80%, non-condensing		
	Humidity - non operating (no package)	8%~80%, non-condensing		
	Humidity - non operating (with package)	8%~90%, non-condensing		
	Acoustic noise (idle/working mode)	System Configuration		
		Category	Entry level	High-end
		CPU	1	2
		Memory	4GB x 1	4GB x 12
Optical Drive		Slim optical	Slim optical	
Drive Bays		4 x 3.5"	6 x 2.5"	
RAID		RAID500	RAID500	
HDD		2 x 500GB 3.5" SATA	6 x 300GB 2.5" SAS	
PSU		550Wx1	550Wx2	
Sound Pressure (operating)		45.28 dB(A)	44.74 dB(A)	
Sound Pressure (idle)	45.28 dB(A)	44.95 dB(A)		

