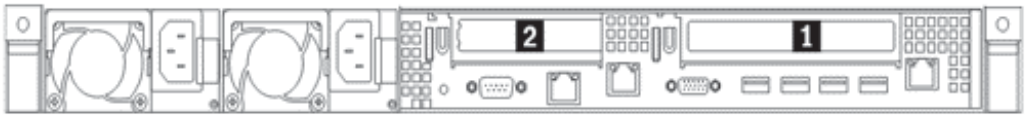
ThinkServer RD340 Platform Systems Specifications - I of II

<table>
<tr><th>Components</th><th>Specifications</th></tr>
<tr><td>Mechanical</td><td>• 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</td></tr>
<tr><td>Chipset</td><td>Intel C606 Chipset</td></tr>
<tr><td>Processors</td><td>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</td></tr>
<tr><td>Memory type</td><td>1600MHz, LV RDIMM*, DDR3, 3-channel per processor, 240-pin
* By default, the voltage of LV RDIMM is 1.5V and can be changed to1.35V in BIOS setting</td></tr>
<tr><td>Memory DIMMs</td><td>Twelve DIMM sockets, six DIMM sockets per processor</td></tr>
<tr><td>Memory protection</td><td>ECC, memory mirroring, memory sparing</td></tr>
<tr><td>Disk bays configurations</td><td>Supports one of the following configurations
• 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</td></tr>
<tr><td>RAID support*
* RAID 50, 60 are supported on 8 x 2.5" disk bay models only</td><td>
<table>
<tr><th>RAID adapter</th><th>RAID support**</th><th>Cache</th><th>Transfer rates</th><th>Optional upgrades</th></tr>
<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>• optional CacheVault (CV) flash cache with super capacitor
• optional CacheCade Pro 2.0
• optional FastPath key</td></tr>
</table>
</td></tr>
<tr><td>Optical drive (optional)</td><td>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</td></tr>
<tr><td>Onboard network</td><td>Two Gigabit Ethernet ports by Intel i350,
one Gigabit Ethernet port by Intel 82574L, dedicate/share management</td></tr>
<tr><td>Front ports</td><td>One analog VGA DB-15 connector (for 6 x 2.5"/8 x 2.5" models), two USB 2.0</td></tr>
<tr><td>Rear ports</td><td>Four USB 2.0, one serial (9-pin), two ethernet (RJ-45),
one RJ-45 (dedicate/share mgmt), one analog VGA DB-15 connector</td></tr>
<tr><td>Expansion Slots</td><td> 

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)</td></tr>
<tr><td>Graphics</td><td>Onboard Aspeed AST2300 graphics/management processor, one VGA DB-15 on front, one VGA DB-15 on rear;
Maximum resolution: 1920x1200@60Hz</td></tr>
<tr><td>Intelligent Diagnostics Module (optional)</td><td>Supports optional Intelligent Diagnostics Module (IDM) basic,
IDM basic LED lights indicate failing component category</td></tr>
<tr><td>Systems management (iKVM is optional)</td><td>• 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</td></tr>
<tr><td>Cooling fans</td><td>6 fans, non-hot swap, 5 + 1 redundant</td></tr>
<tr><td>Cable mgmt (opt)</td><td>Optional cable management arm on selected models</td></tr>
</table>

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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	• **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)	

Category	System Configuration	
	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)

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Model	70AC0005++
Product	RD340
Region	WE
Machine Type	70AC
TopSeller	TopSeller
Processor	1xXeon E5-2407 v2 4C/2.4GHz/10MB/1333MHz
Memory	4GBx1 1600MHz LVRDIMM
Disk Bays	6x2.5" HS
RAID Controller	RAID300
Disk Drives	Open
Optical	DVD±RW
Discrete Ethernet	No
Intelligent Diagnostics	No
System Management	IPMI
Cable Management	No
TPM	No
Power Supply	550Wx1 Gold
Preloaded OS	No
Warranty	3-year
Ann Date (mm/yy)	01/14