

# ThinkServer RS160 70TG0028EA

**Product**  
ThinkServer RS160

**Operating System**  
None

**Region**  
EMEA

**Warranty**  
3-year

**Machine Type**  
70TG

**Power Supply**  
300W 85% Fixed

**TopSeller**  
TopSeller

**Ann Date (mm/yy)**  
06/17

**Processor**  
Xeon E3-1220 v6 4C/3.0GHz/8MB/72W/DDR4-2400

**Memory**  
1x8GB UDIMM DDR4-2400 ECC

**Storage Controller**  
RAID 121i

**Disk Bays**  
2x3.5" NHS

**Disks**  
Open

**Optical**  
None

**Add-on NIC**  
None

**Slots**  
None

**TPM**  
TPM 2.0

**Note:**

\* Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "\*\*\*" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries



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# ThinkServer RS160 Platform Specifications



Components	Specification																																					
Dimensions	1U rack. Height: 43.2 mm (1.7 in), width: 438.5 mm (17.26 in), depth: 393.7 mm (15.5 in)																																					
Weight	Minimum configuration: 6.2 kg (13.67 lb), maximum: 7.6 kg (16.76 lb)																																					
Processor	Supports one of the following Intel "Kaby Lake" processors:																																					
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Chipset	Intel C232 Platform Controller Hub (PCH)																																					
Memory DIMMs	4 DIMM sockets with 2-channels. UDIMM. DDR4-2133 or DDR4-2400																																					
Memory capacity	64GB (16GB x 4)																																					
Memory protection	ECC																																					
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RAID720i PCIe	12Gbs SAS/SATA	0/1/10/5, 6 with optional cache	2x3.5", 4x2.5"																																			
	Optional cache for RAID720i: 1GB memory. 1GB, 2GB, or 4GB flash with super capacitor.																																					
Disk drive bays	Supports two 3.5" or four 2.5" disk drive bays. Non-hot swap. Cables are connected to onboard SATA connectors or PCIe RAID controller. Also supports one M.2 SATA SSD																																					
Supporting storage	3.5" HDD, 7.2K SATA6Gbs	1TB/2TB/4TB/6TB/8TB/10TB/12TB																																				
	3.5" HDD, 7.2K SAS12Gbs	1TB/2TB/4TB/6TB/8TB/10TB																																				
	3.5" SSD, SATA6Gbs (2.5" SSD with 3.5" tray)	240GB/480GB/960GB																																				
	2.5" HDD, 7.2K SATA6Gbs	1TB/2TB																																				
	2.5" HDD, 10K SAS12Gbs	300GB/600GB/900GB/1.2TB/2.4TB																																				
	2.5" HDD, 15K SAS12Gbs	900GB																																				
	2.5" SSD, SATA6Gbs	120GB/240GB/480GB/960GB																																				
	M.2 SATA SSD	32GB/128GB																																				

Components	Specification	
Optical drive	Optional one 9.5mm optical. DVD-ROM or DVD±RW	
Network interfaces	One dedicated management port, two Gigabit Ethernet ports. Supports optional discrete network adapters via riser card	
Security features	Power-on and administrator password. Optional TPM, TCG 1.2 or 2.0 compliant.	
Systems management	UEFI. Onboard Aspeed AST2400 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Control Panel LEDs shows the status of power, ID, disk drives, network, system. Supports the following management software: EasyStartup, Power Planner. On November 2016, EasyUpdate, Lenovo ThinkServer Diagnostics Standalone, ToolsCenter Suite CLI inventory module on ThinkServer, and Lenovo xClarity Administrator will be available	
Operating systems	Microsoft Windows Server 2016 (Standard and Essentials)/2012 R2/2012. Windows 10 Pro. Red Hat Enterprise Linux 6.7/6.8/7.2. SUSE Linux Enterprise Server 11/12. VMware vSphere (ESXi) 6.0U0/U2	
Base warranty	1 or 3-year limited onsite service with 9x5/NBD	
Power supply	One fixed 300 watts power supply, Non-hot swap. 80 PLUS Gold qualified	
Graphics	Onboard Aspeed AST2400	
Front ports	Two USB 2.0	
Rear ports	One VGA, four USB 3.0, one RJ-45 (dedicated mgmt), two ethernet, one serial (9-pin)	
Cooling	3 fans for processor, PCIe slot, and disk drives	
Noise emissions	Operating: < 5.9 Bels. Idle: < 5.2 Bels (Maximum configuration)	
Environmental specification	Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)
	Temperature - non operating (with package)	-40 °C to 60 °C
	Altitude - operating	(Unpressurized): 0-10000ft (0-3048m)
	Humidity - operating	8%~80%, non-condensing
	Humidity - storage (with package)	10%~90%, non-condensing

### Expansion slots and disk bays

Supports one PCIe slot via optional riser card, PCIe 3.0 x16, half length, half height

### Core options for ThinkServer RS160 (partial)

ThinkServer 8GB 2RX8 PC4-2133-E CL15 DDR4-2133 ECC-UDIMM	4X70G88316
ThinkServer 16GB 2RX8 PC4-2133-E CL15 DDR4-2133 ECC-UDIMM	4X70G88317
ThinkServer 3.5" 8TB 7.2K Enterprise SATA 6Gbps 512e Hard Drive for RS-Series	4XB0K12297
ThinkServer 2.5" 1.2TB 10K Enterprise SAS 12Gbps Hard Drive for RS-Series	4XB0K12306
ThinkServer 2.5" 2TB 7.2K Enterprise SATA 6Gbps Hard Drive for RS-Series	4XB0K12302
ThinkServer 2.5" 480GB S3510 Enterprise Entry SATA 6Gbps SSD for RS-Series	4XB0K12321
ThinkServer M.2 32GB Value Read-Optimized SATA 6Gbps Solid State Drive	4XB0K12310
ThinkServer RAID 520i RAID 5 Upgrade	4XC0G88841
ThinkServer RS160 Slim SATA DVD-RW Optical Disk Drive	4XA0G88613
Lenovo ThinkServer Gen 5 Trusted Platform Module v1.2 (Worldwide except China)	4XF0G45868

# ThinkServer RS160

