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	Up to one **Intel Xeon E3-1200 v5**, **Core i3**, **Pentium**, **or Celeron** family processor.

Xeon E3-1280 v5	4C/3.7GHz/8MB/80W/DDR4-2133
Xeon E3-1270 v5	4C/3.6GHz/8MB/80W/DDR4-2133
Xeon E3-1240 v5	4C/3.5GHz/8MB/80W/DDR4-2133
Xeon E3-1230 v5	4C/3.4GHz/8MB/80W/DDR4-2133
Xeon E3-1220 v5	4C/3GHz/8MB/80W/DDR4-2133
Xeon E3-1260L v5	4C/2.9GHz/8MB/45W/DDR4-2133
Xeon E3-1240L v5	4C/2.1GHz/8MB/25W/DDR4-2133
Xeon E3-1225 v5	4C/3.3GHz/8MB/80W/DDR4-2133
Core i3-6320	2C/3.9GHz/4MB/51W/DDR4-2133
Core i3-6300	2C/3.8GHz/4MB/51W/DDR4-2133
Core i3-6100	2C/3.7GHz/3MB/51W/DDR4-2133
Pentium G4520	2C/3.6GHz/3MB/51W/DDR4-2133
Pentium G4500	2C/3.5GHz/3MB/51W/DDR4-2133
Pentium G4400	2C/3.3GHz/3MB/54W/DDR4-2133
Celeron G3920	2C/2.9GHz/2MB/51W/DDR4-2133
Celeron G3900	2C/2.8GHz/2MB/51W/DDR4-2133
Celeron G3900T	2C/2.6GHz/2MB/35W/DDR4-2133

Chipset	Intel C232 Platform Controller Hub (PCH)
Memory DIMMs	4 DIMM sockets with 2 channels, 2 DIMMs per channel. **UDIMM**. DDR4-2133
Memory capacity	64GB (16GB x 4)
Memory protection	ECC

RAID controller

RAID controller	Drive type	RAID support	Compatible models
Onboard RAID121i	6Gbs SATA	0/1/5/10	2x3.5”, 4x2.5”
RAID520i PCIe	12Gbs SAS/SATA	0/1/10, 5 with optional key	2x3.5”, 4x2.5”
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
3.5" HDD, 7.2K SAS12Gbs	1TB/2TB/4TB/6TB/8TB
2.5" HDD, 7.2K SATA6Gbs	1TB/2TB
2.5" HDD, 10K SAS12Gbs	300GB/600GB/900GB/1.2TB
2.5" SSD, SATA6Gbs	120GB/240GB/480GB/960GB
M.2 SATA SSD	32GB/128GB

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 Adminstrator 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) 6.0Ub/U2
Base warranty	1 or 3-year limited onsite service with 9x5/NBD

Components	Specification
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

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Model	70TGR002EA
Product	ThinkServer RS160
Region	EMEA
Machine Type	70TG
TopSeller	TopSeller
Processor	Xeon E3-1220 v5 4C/3GHz/8MB/80W/DDR4-2133
Memory	1x8GB UDIMM DDR4-2133 ECC
RAID Controller	RAID 121i
Disk Bays	2x3.5" NHS
Storage	Open
Optical	None
Add-on NIC	None
Slots	1xHHHL
TPM	TPM
Operating System	None
Warranty	3-year
Power Supply	300W 85% Fixed
Ann Date (mm/yy)	09/16


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