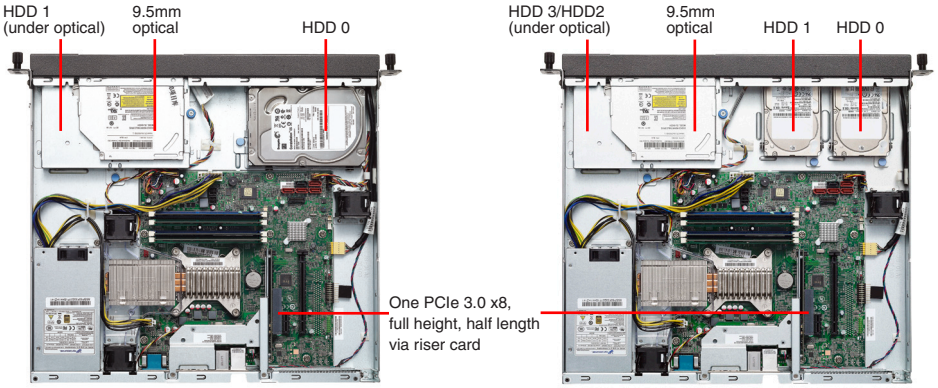
ThinkServer RS140 Platform Specifications

Components	Specification
Dimensions	1U rack. Height: 43.5 mm (1.71 in), width: 430 mm (16.9 in), depth: 411 mm (16.2 in)
Weight	Maximum configuration: 16.2 lb (7.36kg)
Processor	Supports one of the following Intel processors (code name: Haswell): • Xeon E3-1200 v3: up to 4C/3.7GHz/8MB/84W/1600MHz • Core i3: up to 2C/3.7GHz/4MB/54W/1600MHz • Pentium: up to 2C/3.4GHz/3MB/53W/1600MHz • Celeron: up to 2C/2.9GHz/2MB/53W/1333MHz *Note: Supports processors with integrated graphics only.*
Chipset	Intel C226 Platform Controller Hub (PCH)
Memory DIMMs	4 DIMM sockets, 2-channel capable. UDIMM, DDR3
Memory capacity	32GB (4 x 8GB)
Memory protection	ECC
RAID controller	RAID 0, 1, 5, 10 with onboard RAID 100, 6Gb/s SATA. RAID 0, 1, 10 with RAID 500, PCIe adapter, 6Gb/s SAS/SATA, optional key for RAID5. RAID 0, 1, 10, 5, 6 with RAID 700, PCIe adapter, 6Gb/s SAS/SATA, optional Intelligent Battery Backup Unit (iBBU08) *Note: RAID 5, 6, and 10 needs 4 x 2.5" bays.*
Disk drive bays	Up to 2 3.5" disk bays or up to 4 2.5" disk bays. Direct cabled, non-hot swap. Supports optional external USB RDX tape drive
Supporting disk drives	For 3.5" bay: 3.5" SATA HDD — 7.2K 6Gbs: 500GB/1TB/2TB/3TB/4TB/6TB For 3.5" bay: 3.5" SAS HDD — 7.2K 6Gbs: 1TB/2TB/3TB/4TB For 2.5" bay: 2.5" SATA HDD — 7.2K 6Gbs: 500GB/1TB For 2.5" bay: 2.5" SAS HDD — 10K 6Gbs: 300GB/600GB/900GB. 15K 6Gbs: 146GB/300GB For 2.5" bay: 2.5" SATA SSD — 6Gbs: 120GB/240GB/300GB/480GB/600GB
Optical drive	Up to one 9.5mm optical. DVD-ROM or DVD±RW
Network interfaces	Two Gigabit Ethernet ports by Intel I210, on riser card. One Gigabit Ethernet port by Intel I217, dedicate/share management
Security features	Power-on and administrator password. TPM (TCG 1.2-compliant).
Systems management	Intel Active Management Technology 9 on models with Xeon processor. Remote presence is supported on models with Xeon processors. Supports ThinkServer EasyStartup/EasyUpdate
Operating systems supported	Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011. Red Hat Enterprise Linux 6.5. SUSE Linux Enterprise Server 11 SP3. VMware vSphere (ESXi) 5.5 *Note: VMware requires add-on network adapter.*

Components	Specification
Base warranty	1 or 3-year limited onsite service with 9x5/NBD.
Power supply	One fixed 300 watts power supply, 80 PLUS Gold qualified
Graphics	Integrated Intel HD Graphcis in processor
Front ports	Two USB 2.0
Rear ports	Four USB 3.0, two USB 2.0, one serial (9-pin), two ethernet (RJ-45), one RJ-45 (dedicate/share mgmt), one VGA, one DisplayPort. Optional two serial ports via PCIe adapter
Noise emissions	Operating: < 5.2 Bels. Idle: < 5.0 Bels (Mainstream configuration)
Environmental specification	RoHS-compliant. Temperature - operating: 50 °F to 95 °F (10 °C to 35 °C) Temperature - storage (with package): -40 o C to 70 o C Altitude - operating: Supported Altitude (unpressurized): 0-10000ft (0-3048m) Humidity - operating: 10%~80%, non-condensing Humidity - storage (with package): 10%~90%, non-condensing

Expansion slots and disk bays

Supports one PCI-Express slot via riser card, half-length, full-height, PCIe 3.0 x8



For a list of all supported options, please see *https://download.lenovo.com/pccbbs/options_iso/ocm_september_2016_thinkserver.xlsx sheet*

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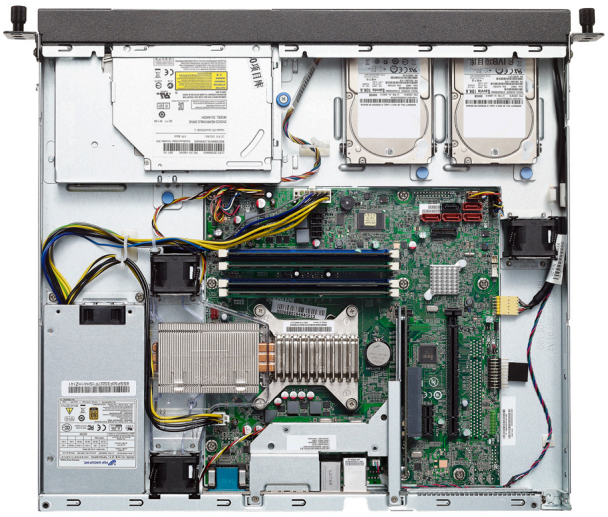
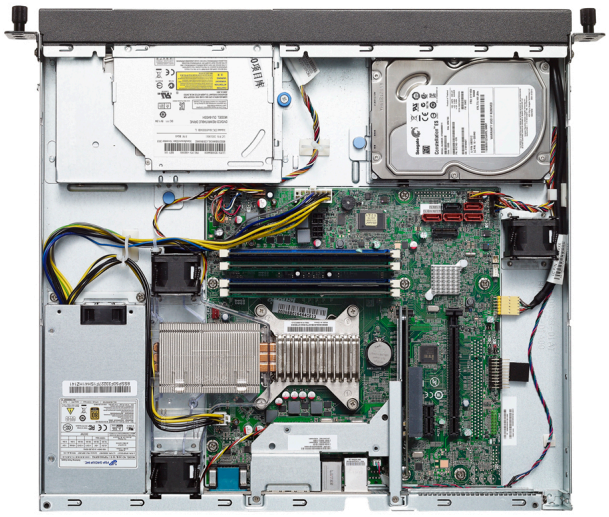
Model	70F9001D++
Product	ThinkServer RS140
Region	EMEA
Machine Type	70F9
TopSeller	TopSeller
Processor	Pentium G3240 2C/3.1GHz/3MB/53W/DDR3-1333
Memory	1x4GB UDIMM DDR3-1600 ECC
RAID Controller	RAID 100
Disk Bays	2x3.5" DC
Storage	Open
Optical	9.5mm DVD±RW
Add-on NIC	None
Add-on Ports	None
System Management	AMT9
Operating System	None
Warranty	1-year
Power Supply	300W Gold Fixed
Ann Date (mm/yy)	09/14





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