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
	3.5" SAS HDD	7.2K 6Gbs: 1TB/2TB/3TB/4TB
For 2.5" bay	2.5" SATA HDD	7.2K 6Gbs: 500GB/1TB
	2.5" SAS HDD	10K 6Gbs: 300GB/600GB/900GB. 15K 6Gbs: 146GB/300GB
	2.5" SATA SSD	6Gbs: 120GB/240GB/300GB/480GB/600GB

Components	Specification
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 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

HDD 1 (under optical)   9.5mm optical   HDD 0

HDD 3/HDD2 (under optical)   9.5mm optical   HDD 1   HDD 0

One PCIe 3.0 x8, full height, half length via riser card