

ThinkServer RD550 Platform Specifications

Product Specifications Reference (PSREF)

Components	Specification	Components	Specification																
Dimensions	1U rack. Height: 43 mm (1.7 in), width: 482 mm (19 in), depth: 780 mm (30.7 in)	Operating systems supported	Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011. Red Hat Enterprise Linux 6.5/6.6/7. SUSE Linux Enterprise Server 11. VMware vSphere (ESXi) 5.1 P5/5.5 U2/6.0																
Weight	Minimum configuration: 13.5 kg (29.76 lb), maximum: 21 kg (46.3 lb)	Base warranty	3-year limited onsite service with 9x5/NBD. Some parts are Customer Replaceable Units																
Processor	Up to two 145W Intel Xeon E5-2600 v3 family (code name: Haswell) processors with 18 cores up to 2.3GHz, 16 cores up to 2.3GHz, 14 cores up to 2.6GHz, 12 cores up to 2.6GHz, 10 cores up to 2.6GHz, 8 cores up to 3.2GHz, 6 cores up to 3.4GHz, 4 cores up to 3.5GHz. Two QPI link up to 9.6 GT/s. Up to 2133MHz memory speed. Up to 45MB cache	Power supply	Up to two redundant hot-swap 550W/750W/1100W power supplies. 550W and 1100W are 80 PLUS Platinum qualified. 750W is 80 PLUS Platinum or Titanium qualified.																
Chipset	Intel C610 Series Chipset	Disk bay configuration	PSU requirements																
Memory DIMMs	24 DIMM sockets (12 DIMMs per processor), 8-channel capable (4-channel per processor). RDIMM and LRDIMM (cannot be intermixed), DDR4, LRDIMM up to DDR4-2133, RDIMM up to DDR4-2400	4x3.5"	550W																
Memory capacity	384GB (RDIMM, 16GB x 24)/768GB (LRDIMM, 32GB x 24)	12x2.5"	750W																
Memory protection	ECC, memory mirroring, lockstep, and memory sparing		1100W																
AnyRAID support	RAID 0, 1, 10 with AnyRAID 110i. 6Gb/s SATA, optional key for RAID 5. RAID 0, 1, 10 with AnyRAID 510i; 6Gb/s SAS/SATA, optional key for RAID 5/50. RAID 0, 1, 10, 5, 50, 6, 60 with AnyRAID 720i/720ix. 12Gb/s SAS/SATA. 720i needs cache for RAID 6/60 support. 720ix must have cache. Optional cache for 720i/720ix: 1GB read-only memory. 1GB/2GB/4GB flash with super capacitor. Flash options include CacheVault, CacheCade Pro, and FastPath	Note: 750W Titanium is 200V - 240V, others are 110V - 240V.																	
Disk drive bays	Note: At least 6 disk drives is required for RAID 50 and 60.			Onboard Aspeed AST2400 with 16MB memory, one DisplayPort on front, one DisplayPort on rear. Maximum resolution: 1920x1200@60Hz (Only 3.5" model) Two USB 2.0, one DisplayPort One DisplayPort, two USB 3.0, one RJ-45 (dedicate mgmt), one serial (9-pin) 8 (7+1, dual processors) or 6 (5+1, single processor), hot-swap Operating: < 6.5 Bels. Idle: < 6 Bels (Maximum configuration)															
	Up to 4 3.5" or 12 2.5" hot-swap disk bays on front.																		
	Up to 2 of 12 2.5" bays can support easy-swap PCIe SSD via optional Anybay kit (consumes one PCIe slot).																		
	Up to 2 2.5" rear mounted hot-swap disk bays on 3.5" models, optional.																		
	Up to 2 M.2 SSD drives via optional M.2 module.																		
	Supports external RDX tape drive via USB.																		
Internal disk drive	Disk bay configuration			AnyRAID requirements and optional drives supported			Temperature - operating			41 °F to 113 °F (5 °C to 45 °C)									
	4x3.5"			RAID110i			Temperature - non operating (no package)			-10 °C to 60 °C									
	8x2.5"			RAID510i			Temperature - non operating (with package)			-40 °C to 60 °C									
	12x2.5"			RAID720i			(Unpressurized): 0-10000ft (0-3048m)			8%-90%, non-condensing									
	Note: 1. Rear disk drive and M.2 SSD can not be supported simultaneously. Only one can be selected per system. 2. On AnyRAID 110i and 8x2.5" model, 6 of 8 drives can be configured as RAID			Humidity - operating			8%-90%, non-condensing			8%-90%, non-condensing									
	3.5" HDD up to 8TB (SATA/SAS). 2.5" HDD up to 1.8TB (SAS)/2TB (SATA). 2.5" SSD up to 1.6TB (SATA/SAS). Easy-swap PCIe SSD up to 1.92TB. PCIe SSD adapter up to 3.84TB. M.2 SSD up to 120GB. 2.5" SSD and HDD are compatible with 3.5" bay			Humidity - storage (with package)			Note: 45 °C continuous operation configuration limitation: no 145W CPU/no 135W 4, 6, or 8 cores CPU/no GPU card/redundant PSU/no FLFH card/no PCIe SSD adapter/no 1100W PSU.												
SD module	Up to 2 SDHC flash cards via optional SD module, 8GB or 32GB each																		
Optical drive	Optional one 9.5mm optical drive on 3.5" model. DVD-ROM or DVD±RW																		
Network interfaces	One dedicated management port. One (3.5" model) or two (2.5" model) AnyFabric slots for customized LOM. Optional discrete network adapters via PCIe slots																		
Security features	Power-on and administrator password. Optional TPM (TCG 1.2-compliant)																		
Systems management	Supports ThinkServer System Manager (TSM), optional TSM Premium. UEFI. Onboard Aspeed AST2400 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Control Panel LEDs shows the status of power, ID, network, system. Supports ThinkServer management software: Diagnostics, Deployment Manager, Energy Manager, System Manager, Partner Pack for VMware vCenter and Microsoft System Center Operations Manager, Power Planner																		

Expansion slots

3.5" model		AnyFabric slot 1 (Network adapter is optional)	Optional 2 x 2.5" rear bays
Slot 1 (riser card 1)	PCIe 3.0 x 16, low-profile, half length	Slot 2 (riser card 2)	PCIe 3.0 x 16, low-profile, half length, requires 2nd riser card and 2nd CPU
2.5" model		AnyFabric slot 2 (Network adapter is optional)	AnyFabric slot 1 (Network adapter is optional)
Slot 1 (riser card 1)	PCIe 3.0 x 16 (x8 wired), low-profile, half length	Slot 2 (riser card 1)	PCIe 3.0 x 16 (x8 wired), low-profile, half length
Slot 3 (riser card 2)	PCIe 3.0 x 16, low-profile, half length, requires 2nd riser card and 2nd CPU		

Model		70CX002NEA
Product		ThinkServer RD550
Region		EMEA
Machine Type		70CX
TopSeller		TopSeller
Processor		1xXeon E5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866
2nd CPU		4XG0F28802
Memory		1x16GB RDIMM DDR4-2133 ECC
RAID Controller		AnyRAID 720ix+2GB Flash
Disk Bays		12x2.5" HS
Storage		Open
Slots		2xLP HL
Optical		None
Add-on NIC		GbEx4 RJ-45 AnyFabric
TPM		None
System Management		TSM
Operating System		None
Warranty		3-year
Power Supply		750Wx1 Platinum
Ann Date (mm/yy)		07/15



