ThinkServer TS140 Platform Specifications

Components	Specification	C
Dimensions	Tower or 4U rack.	F
	Height: 375 mm (14.76 in), width: 175 mm (6.89 in), depth: 431 mm (16.97 in)	╝
Weight	Maximum configuration: 28.66 lb (13kg)	F
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	1
Olainaat	Celeron: up to 2C/2.9GHz/2MB/53W/1333MHz Use 1 Country Country	╢
Chipset	Intel C226 Platform Controller Hub (PCH)	
Memory DIMMs		
Memory capacity	32GB	╝
Memory protection		
RAID controller	Supports one of the following onboard or PCIe RAID adapters • 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, 5, 10 with RAID 700, PCIe adapter, 6Gb/s SAS/SATA	
Disk drive bays	Two external 5.25" bays, two internal 3.5" bays (see right). Up to one 9.5mm optical plus 4 3.5" or 2.5" disk drives. Supports internal RDX tape drive, cosumes 5.25" bay, also support optional external USB RDX tape drive. All disk drive bays are direct cabled, non-hot swap	
Maximum internal storage		
Optical drive	Two 5.25" bays for optical. DVD-ROM or DVD±RW. Half-height or 9.5mm	1
Network interfaces	One onboard gigabit ethernet, Intel I217, shared with AMT. Supports optional discrete network adapters via PCIe slots]
Security features	Power-on and administrator password. TPM (TCG 1.2-compliant). Optional padlock loop, Kensington cable lock	
Systems management	Intel Active Management Technology 9 on models with Xeon processors. Intel Standard Manageability on models with Core i3, Pentium, or Celeron processors. KVM is supported on models with Xeon E3-12x5 v3 processors	
Operating systems supported	Microsoft Windows Server 2012 R2/2012/2008 R2. Windows Small Business Server 2011. Windows 8.1/8/7(except Home edition). Red Hat Enterprise Linux 6.5/6.7/7/7.1. SUSE Linux Enterprise Server 11 SP4. VMware vSphere (ESXi) 5.1 U2/5.5 U1/5.5 U2/5.5 U3	
Raco warranty	Note: VMware requires processors with Intel HD, add-on network adapters, and PCle RAID adapters 1 or 3-year limited onsite service with 9x5/NBD.	-
Base warranty		-
Power supply	Supports one of the follwing: One fixed 280 watts, autosensing, 85%, 80 PLUS Bronze qualified One fixed 450 watts, autosensing, 92%, 80 PLUS Platinum qualified	
Graphics	Integrated Intel HD Graphics on Xeon E3-12x6 v3, Xeon E3-12x5 v3, Core i3, Pentium, and Celeron processors. Uses main memory, works along with discrete graphics to support multi-display, enables three display connectors (2 DP, 1 VGA) or rear ports. Also supports the following optional discrete graphics adapters: NVIDIA Quadro NVS 300, PCIe adapter, 512MB NVIDIA Quadro K600, PCIe adapter, 1GB	ו

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	Components	Specification		
	Front ports	Two USB 3.0 (blue)		
	Rear ports	1 VGA and 2 DisplayPort (for Intel HD Graphics models only), two USB 2.0, for USB 3.0 (blue), one serial (9-pin), one ethernet (RJ-45), three analog audio po (line-in, line-out, mic-in). Optional parallel or serial ports via PCI or PCIe adapt ons Operating: < 35 dB(A). Idle: < 34 dB(A) (Maximum configuration)		
	Noise emissions			
		GREENGUARD certified, Energy S	tar Server 1.1 qualified, RoHS-compliant	
		Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)	
	Environmental specification	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	



Drive Bays and PCIe Slots

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Bay 1	5.25", supports one of the following: HH optical, 9.5mm optical+3.5"/2.5" drive	
Bay 2	5.25", supports one of the following: 3.5"/2.5" drive, tape drive	
Bay 3	Standard 3.5"/2.5" disk drive bay	
Bay 4	Standard 3.5"/2.5" disk drive bay	
	Four PCIe slots (top-down):	
	Slot 1: PCle 3.0 x16, full height, half length (near CPU)	
5 -Slots	Slot 2: PCle 2.0 x1, full height, half length	
	Slot 3: PCIe 2.0 x16 (x4 elec), full height, half length	
	Slot 4: PCI 2.3, full height, half length	

Model	70A5001V++
Product	ThinkServer TS140
Region	EMEA
Machine Type	70A5
TopSeller	TopSeller
Processor	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600
Memory	2x4GB UDIMM DDR3-1600 ECC
RAID Controller	RAID 100
Disk Bays	4x3.5" DC
Storage	2x1TB HDD 7.2K 3.5" SATA6Gbs
Optical	9.5mm DVD±RW
Add-on NIC	None
Add-on Ports	None
System Management	AMT
Operating System	None
Warranty	3-year
Power Supply	450W 92% Fixed
Ann Date (mm/yy)	09/14





