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	
Olainaat	Celeron: up to 2C/2.9GHz/2MB/53W/1333MHz	
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.	
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	Up to 24TB with 7.2K SATA HDD, up to 16TB with 7.2K SAS HDD, up to 1.92TB with SATA SSD	
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)	
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, four USB 3.0 (blue), one serial (9-pin), one ethernet (RJ-45), three analog audio port (line-in, line-out, mic-in). Optional parallel or serial ports via PCI or PCIe adapters 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):	
5 -Slots	Slot 1: PCle 3.0 x16, full height, half length (near CPU)	
	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	70A4003Q++
Product	ThinkServer TS140
Region	EMEA
Machine Type	70A4
TopSeller	TopSeller
Processor	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600
Memory	2x8GB 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	1-year
Power Supply	280W 85% Fixed
Ann Date (mm/yy)	09/14





