ThinkServer TS140 Platform Specifications

U2/5.5 U1/5.5 U2/5.5 U3

rear ports.

Supports one of the follwing:

Disk drive bays

Maximum internal

Network interfaces

Security features

Operating systems

storage

Svstems

supported

Base warranty

Power supply

Graphics

management

Optical drive

1 or 3-year limited onsite service with 9x5/NBD.

 NVIDIA Quadro NVS 300, PCIe adapter, 512MB NVIDIA Quadro K600, PCIe adapter, 1GB

Intel Standard Manageability on models with Core i3, Pentium, or Celeron processors. KVM is supported on models with Xeon E3-12x5 v3 processors

Microsoft Windows Server 2012 R2/2012/2008 R2. Windows Small Business

Note: VMware requires processors with Intel HD, add-on network adapters, and PCIe RAID adapters

• One fixed 280 watts, autosensing, 85%, 80 PLUS Bronze qualified • One fixed 450 watts, autosensing, 92%, 80 PLUS Platinum qualified 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) on

Also supports the following optional discrete graphics adapters:

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

Product Specifications Reference (PSREF)

Components	Specification	Components	Specification	
Dimensions	Tower or 4U rack.	Front ports	Two USB 3.0 (blue)	
	Height: 375 mm (14.76 in), width: 175 mm (6.89 in), depth: 431 mm (16.97 in)			HD Graphics models only), two USB 2.0, four
Weight	Maximum configuration: 28.66 lb (13kg)	Rear ports	USB 3.0 (blue), one serial (9-pin), o	one ethernet (RJ-45), three analog audio ports
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 		(line-in, line-out, mic-in). Optional p	arallel or serial ports via PCI or PCIe adapters
		Noise emissions	Operating: < 35 dB(A). Idle: < 34 dB(A) (Maximum configuration)	
			GREENGUARD certified, Energy Star Server 1.1 qualified, RoHS-compliant	
	 Celeron: up to 2C/2.9GHz/2MB/53W/1333MHz 		Temperature - operating	50 ° F to 95 ° F (10 ° C to 35 ° C)
Chipset	Intel C226 Platform Controller Hub (PCH)	Environmental	Temperature - storage (with package)	-40 o C to 70 o C
Memory DIMMs	4 DIMM sockets, 2-channel capable. UDIMM, DDR3, up to 1600MHz	specification	Altitude - operating	Supported Altitude (unpressurized): 0-10000ft (0-3048m)
Memory capacity	32GB	-1	Humidity - operating	10%~80%, non-condensing
Memory protection		_	Humidity - storage (with package)	10%~90%, non-condensing
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			- 1

	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,	4
	optional key for RAID5.	L.,
	RAID 0, 1, 5, 10 with RAID 700, PCIe adapter, 6Gb/s SAS/SATA	-
	Two external 5.25" bays, two internal 3.5" bays (see right).	2
	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	0
	Up to 24TB with 7.2K SATA HDD, up to 16TB with 7.2K SAS HDD, up to 1.92TB	3
	with SATA SSD	
	Two 5.25" bays for optical. DVD-ROM or DVD±RW. Half-height or 9.5mm	
	One onboard gigabit ethernet, Intel I217, shared with AMT. Supports optional	
•	discrete network adapters via PCIe slots	5
	Power-on and administrator password. TPM (TCG 1.2-compliant).	0
	Optional padlock loop, Kensington cable lock	Λ
	Intel Active Management Technology 9 on models with Xeon processors.	т
	Intel Standard Manageability on models with Core i3, Pentium, or Celeron proces-	
	sors. KVM is supported on models with Xeon E3-12x5 v3 processors	

Drive Bays and PCIe Slots

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	3 Standard 3.5"/2.5" disk drive bay		
Bay 4	Standard 3.5"/2.5" disk drive bay		
5 -Slots	Four PCIe slots (top-down): Slot 1: PCIe 3.0 x16, full height, half length (near CPU) Slot 2: PCIe 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	70A5001X++
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	2012 Foundations
Warranty	3-year
Power Supply	450W 92% Fixed
Ann Date (mm/yy)	09/14





