## ThinkServer TS140 TopSeller Models

Components	Specification	C
Dimensions	Tower or 4U rack.	F
Weight	Height: 375 mm (14.76 in), width: 175 mm (6.89 in), depth: 431 mm (16.97 in)  Maximum configuration: 28.66 lb (13kg)	
vveigni		
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	N
Chipset	Intel C226 Platform Controller Hub (PCH)	IJE
Memory DIMMs	inter eller rationin controller rate (r. err)	
Memory capacity	32GB	1
Memory protection		1
RAID controller	<ul> <li>Supports one of the following onboard or PCIe RAID adapters</li> <li>RAID 0, 1, 5, 10 with onboard RAID 110, 6Gb/s SATA.</li> <li>RAID 0, 1, 10 with RAID 500, PCIe adapter, 6Gb/s SAS/SATA, optional key for RAID5.</li> <li>RAID 0, 1, 5, 10 with RAID 700, PCIe adapter, 6Gb/s SAS/SATA</li> </ul>	
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	1
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 (TCC 1.2 compliant)	
Systems management	Intel Active Management Technology 9 on models with Xeon processor. Remote presence is supported on models with Xeon E3-12x5 v3 or E3-12x6 v3 processor	
Operating systems supported		
Base warranty	1 or 3-year limited onsite service with 9x5/NBD.	11
Power supply	<ul> <li>One fixed 450 watts, autosensing, 92%, 80 PLUS Platinum qualified</li> </ul>	
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.  * NVIDIA Quadro NVS 300, PCIe adapter, 512MB	n

	Components	Specification		
	Front ports	Two USB 3.0 (blue)		
	Rear ports	1 VGA and 2 DisplayPort (for Intel F USB 3.0 (blue), one serial (9-pin), o	HD Graphics models only), two USB 2.0, four one ethernet (RJ-45), three analog audio ports arallel or serial ports via PCI or PCIe adapters	
	·	(line-in, line-out, mic-in). Optional pa	arallel or serial ports via PCI or PCIe adapters	
	Noise emissions	Operating: < 35 dB(A). Idle: < 34 dB(A) (Maximum configuration)		
		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**

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: PCIe 3.0 x16, full height, half length (near CPU)			
	Slot 2: PCle 2.0 x1, full height, half length			
	Slot 3: PCle 2.0 x16 (x4 elec), full height, half length			
	Slot 4: PCI 2.3, full height, half length			

Model	70A50022++
Product	TS140
Region	EMEA
Machine Type	70A5
TopSeller	Yes
Processor	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/1600MHz
Memory	1x4GB 1600MHz UDIMM
RAID controller	RAID100
Disk bays	4x3.5" DC
Internal disk drive	1x1TB 3.5" SATA6Gbs 7.2K
Optical	9.5mm DVD±RW
System mgmt	AMT9.0
Preloaded OS	No
Base warranty	1-year
Power supply	450W 92% Fixed
Ann date (mm/yy)	09/14





