## **ThinkServer TD340 Platform Specifications**

Components	Specification								
Dimensions	Tower or 5U rack								
	Height: 430 mm (16.9 in), width: 195 mm (7.68 in), depth: 595 mm (23.4 in)								
Weight	Maximum: 26 kg	(57.3 lb)							
	Up to two 95W Intel Xeon E5-2400 v2 family (code name: Ivy Bridge EN)								
Processor	processors with 10 cores up to 2.4GHz, 8 cores up to 2.5GHz, 4 cores up to 2.4GHz. One QPI link up to 8.0 GT/s. Up to 1600MHz memory speed. Up to 25MB cache. Or up to two Intel Xeon E5-2420 (code name: Sandy Bridge EN) processors with 6 cores, 1.9GHz, 15MB cache, 95W, up to 1333MHz memory speed, one 7.2GT/s QPI link								
Chipset	Intel C606 Platform Controller Hub (PCH)								
Memory DIMMs	12 DIMM sockets (6 DIMMs per processor). 6-channel capable (3-channel per processor). RDIMM, LV RDIMM and LV UDIMM (cannot be intermixed). DDR3. Up to 1866MHz (RDIMM), 1600MHz (LV RDIMM) or 1600MHz (LV UDIMM)								
Memory capacity	192GB (RDIMM	and LV RDIN	/M, 16GE	3 x 12	2)/48GB (L\	/ UDIMM, 40	3B x 12)		
<del></del>	ECC, memory mirroring, memory sparing								
AnyRAID support	RAID 0, 1, 10 with onboard RAID 100, 6Gb/s SATA, optional key for RAID 5. RAID 0, 1, 10 with onboard RAID 300, 6Gb/s SAS/SATA, optional key for RAID 5. RAID 0, 1, 10 with RAID 500, PCle adapter, 6Gb/s SAS/SATA, optional key for RAID 5, 50. RAID 5, 50. RAID 0, 1, 10, 5, 50, 6, 60 with RAID 700, PCle adapter, 512MB cache, optional intelligent Battery Backup Unit (iBBU08). RAID 0, 1, 10, 5, 50, 6, 60 with RAID 710, PCle adapter, 1GB cache, optional CacheVault flash cache with super capacitor/CacheCade Pro 2.0/FastPath key Note: At least 6 disk drives is required for RAID 50 and 60. Up to 8 3.5" hot-swap bays, or up to 4 3.5" non-hot swap bays. On front. Supports internal RDX tape drive, cosumes 5.25" bay, also								
	supports optional external SAS tape drive, additional SAS HBA card is needed.								
D. I I. I	Disk bay				ntroller require			]	
Disk drive bays	configuration	RAID100	RAID300	)	RAID500	RAID700	RAID710	-	
	4x3.5" non-hot swap 4x3.5" HS	•	•		•	•	•	1	
	8x3.5" HS		•		•	•	•	1	
	8x2.5" HS		•		•	•	•	ĺ	
	16x2.5" HS				•	•	•		
	3.5" SATA HDD (both HS and NHS) 7.2K 6Gbs: 7.2K 6Gbs: 500GB/1TB/2TB/3TB/4TB								
	3.5" SAS HDD (HS)			7.2K 6Gbs: 1TB/2TB/3TB/4TB. 15K 6Gbs: 300GB/600GB					
	2.5" SATA HDD (HS)			7.2K 6Gbs: 500GB/1TB. 10K 6Gbs: 300GB/600GB/900GB					
Supporting disk	2.5" SAS HDD (HS)			15K 6Gbs: 146GB/300GB/600GB					
drives	2.5" SATA SSD (HS, also supports 3.5" HS bay)			6Gbs: 120GB/240GB/300GB/480GB/600GB					
	2.5" SAS SSD (HS, also supports 3.5" HS bay)			12Gbs: 200GB/400GB/800GB					
	PCIe SSD 1.4TB, via PCIe 2.0 x8 adapter								
	Note: Supports up to 2 SSD drives on 8 x 3.5" HS model, up to 4 SSD drives on 16 x 2.5" HS model.								
Optical drive	Two 5.25" bays for optical drive. DVD-ROM or DVD±RW. Half-height								
Network interfaces	Two Gigabit Ethe Management Mo								

	Components	Specification					
7		Power-on and administrator password. Optional TPM (TCG 1.2-compliant)					
_	Intelligent	Supports IDM or IDM Premium on selected models,					
Ц	Diagnostics	IDM LED lights indicate failing component category,					
	Module (IDM)	IDM Premium LED lights indicate in	dividual failing part				
z, d.	Systems management	Supports ThinkServer Management Module (TMM), optional TMM Premium for remote presence. Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Front control panel LEDs shows the status of power, hard drive activity, network, system. Supports EasyStartup, EasyManage, EasyUpdate.					
	Operating	Microsoft Windows Server 2012 R2/2012/2008 R2/2008. Windows Small					
	systems supported	terprise Linux 7.1/7/6.7/6.5/6.4/5.10/5.9.					
	Base warranty	1 or 3-year limited onsite service with 9x5/NBD.					
		One fixed 625 watts, universal, 80 PLUS Bronze qualified. Or up to two redundant 800 watts, two maximum, rear access, hot-swap, 80 PLUS Gold qualified, redundant with two power supplies					
	Graphics	Onboard Aspeed AST2300 graphics/management processor					
	Front ports	Two USB 2.0					
	Rear ports	Four USB 2.0, one serial (9-pin), two ethernet (RJ-45, one for dedicate/share mgmt), one analog VGA DB-15 connector					
	Noise emissions	Operating: < 42 dB(A). Idle: < 38 dB(A) (Maximum configuration)					
	Environmental specification	Energy Star Server 1.1 qualified for 625W models, Energy Star Server 2.0 qualified for 800W models. RoHS-compliant.					
-   .		Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)				
. 11		Temperature - storage (with package)	-40 o C to 60 o C				
		Altitude - operating	Supported Altitude (unpressurized): 0-10000ft (0-3048m)				
		Humidity - operating	10%~80%, non-condensing				
		Humidity - storage (with package)	8%~90%, non-condensing				



## **Expansion slots**

Slot 1 (PCH)	32-bit PCI 2.3, half-length, full-height
Slot 2 (CPU1)	PCIe 3.0 x8 (x4 elec), half-length, full-height
Slot 3 (CPU2)	PCIe 3.0 x8, half-length, full-height
Slot 4 (CPU2)	PCIe 3.0 x8, half-length, full-height
Slot 5 (CPU1)	PCIe 3.0 x16, half-length, full-height
Slot 6 (CPU2)	PCIe 3.0 x8, half-length, full-height