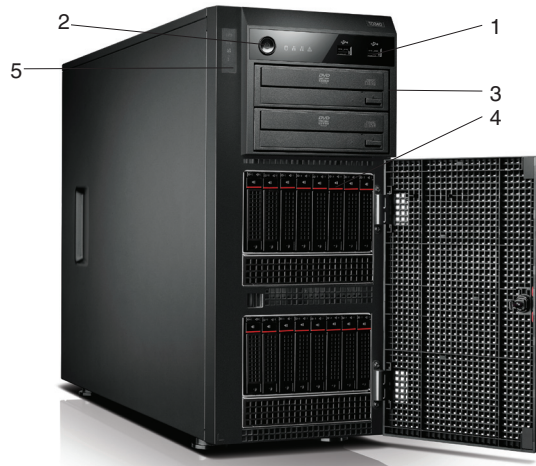
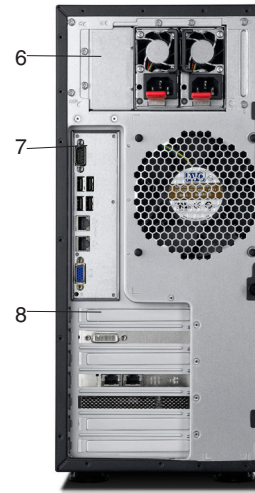


ThinkServer TD340 Overview



Front view

1. Front I/O: 2 USB 2.0
2. Power Button
3. Two 5.25" optical drive bays
4. 16 x 2.5" hot-swap drive bays
(on selected models,
also supports one of the following:
4 x 3.5" direct cable bays,
or 4 x 3.5" hot-swap bays,
or 8 x 3.5" hot-swap bays,
or 8 x 2.5" hot-swap bays)
5. Intelligent Diagnostics Module (optional)



Rear view

6. Hot-swap power supplies, 800W, 80 PLUS Gold
(on selected models, also supports one fixed
power supply, 625W, 80 PLUS Bronze)
7. Rear I/O: 4 USB 2.0
1 Serial (9-pin)
2 RJ-45 (one for dedicate/share
management)
1 VGA
8. Expansion slots*:
1 PCIe 3.0 x8 (*near rear I/O, 2nd CPU is needed*)
1 PCIe 3.0 x16
1 PCIe 3.0 x8 (*2nd CPU is needed*)
1 PCIe 3.0 x8 (*2nd CPU is needed*)
1 PCIe 3.0 x8 (*x4 elec*)
1 PCI
* Add-on ethernet adapter, RAID adapter,
and graphics adapter are optional

Internal

- Two LGA1356 sockets, supports up to two processors from Intel Xeon E5-2400 v2 and E5-2400 families
- 12 DIMM sockets, supports up to 192GB ECC LV RDIMM or 48GB ECC LV UDIMM memory
- Up to 16 x 2.5" hard drive bays

Mechanical

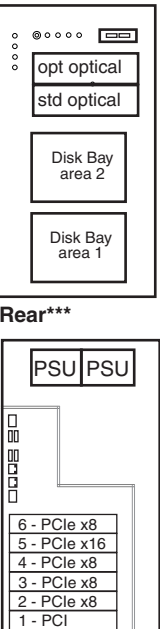
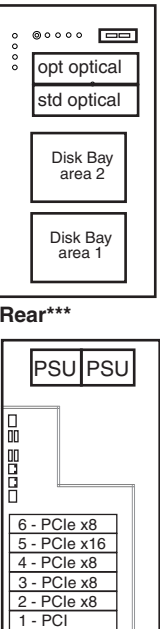
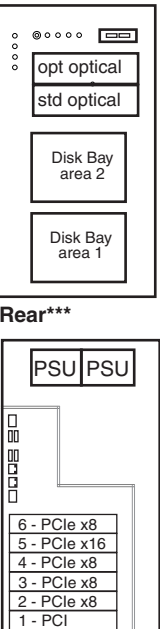
- Tower, business black color, metal case
- Rack-mountable to 5U
- W x H (without foot) x D = 7.68"/195mm x 16.9"/430mm x 23.4"/595mm
- 57.32 lb (26kg) max configuration

ThinkServer TD340 TopSeller Models - 70B7 - I (January 2014)

Product Specifications Reference (PSREF)

Type-model	Intel Xeon Processor	2nd CPU	Memory	Disk Bays	RAID controller	Storage	Optical	Discrete ethernet	Intelligent Diagnostics (IDM)	ThinkServer Management Module Premium (Premium)	Tower to Rack kit	Discrete Graphics	TPM	Preloaded OS	Power Supply	Warranty (-year, on-site)
70B7002GUX	Xeon E5-2403 v2 4C/1.8GHz/10MB/1333MHz	No	8GBx1 1600MHz LVRDIMM	4x3.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	No	TMM Premium	No	No	TPM	No	1x800W Redundant	1
70B7002HUX	Xeon E5-2407 v2 4C/2.4GHz/10MB/1333MHz	No	8GBx1 1600MHz LVRDIMM	4x3.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	No	TMM Premium	No	No	TPM	No	1x800W Redundant	1
70B7002JUX	Xeon E5-2403 v2 4C/1.8GHz/10MB/1333MHz	No	8GBx1 1600MHz LVRDIMM	4x3.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3
70B7002KUX	Xeon E5-2407 v2 4C/2.4GHz/10MB/1333MHz	No	8GBx1 1600MHz LVRDIMM	4x3.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3
70B7002LUX	Xeon E5-2420 v2 6C/2.2GHz/15MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	4x3.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3
70B7002MUX	Xeon E5-2430 v2 6C/2.5GHz/15MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	4x3.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3
70B7002NUX	Xeon E5-2440 v2 8C/1.9GHz/20MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	4x3.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3

- For detailed platform specifications, please see [ThinkServer TD340 Platform Specifications sheets](#)
- For optional configurations of ThinkServer TD340, please see [ThinkServer TD340 Optional Configurations sheets](#)
- For ThinkServer TD340 operating system and virtualization supportability, please see [ThinkServer TD340 Operating System and Virtualization Supportability Matrix sheets](#)
- For Lenovo services upgrade options for ThinkServer TD340, please see [ThinkServer TD340 Services Upgrade Options sheets](#)

Chipset	Intel C606 Chipset, two LGA1356 sockets for processors	Environmental certifications	Energy Star Server 2.0 qualified for models with 800 watts hot-swap PSU Energy Star Server 1.1 qualified for models with 625 watts fixed PSU RoHS-compliant
Memory DIMMs	Twelve DIMM sockets, six DIMM sockets per processor		
Memory capacity	Up to 192GB DDR3 LV RDIMM (16GB x 12), or up to 48GB DDR3 LV UDIMM (4GB x 12)	Front	Mechanical <ul style="list-style-type: none"> • Tower, rack-mountable to 5U via optional conversion kit (<i>Conversion kit is not included in model</i>) • 7.68" W x 23.4" D x 16.9" H (<i>without foot</i>) • 195mm W x 595mm D x 430mm H (<i>without foot</i>) • 57.3 lb (26kg) max configuration
Memory protection	ECC, memory mirroring, memory sparing		
RAID support	Supports one of the following, depending on models: RAID 100: RAID 0, 1, 10 standard, optional upgrade key for RAID 5 RAID 300: RAID 0, 1, 10 standard, optional upgrade key for RAID 5 RAID 500: RAID 0, 1, 10 standard, optional upgrade key for RAID 5, 50 RAID 700: RAID 0, 1, 10, 5, 50, 6, 60 standard, 512MB cache, optional intelligent Battery Backup Unit RAID 710: RAID 0, 1, 10, 5, 50, 6, 60 standard, 1GB cache, optional CacheVault flash cache with super capacitor/CacheCade Pro 2.0/FastPath key <i>*RAID 50, 60 are functional on 8 or 16 disk bay models only, RAID100 supports SATA drives only</i>	Rear***	Disk bay Configurations Supports one of the following, depending on models: <ul style="list-style-type: none"> • 4 x 3.5" non-hot swap SATA disk bays (<i>uses Disk bay area 1</i>) • 4 x 3.5" hot-swap SATA/SAS disk bays (<i>uses Disk bay area 1</i>) • 8 x 3.5" hot-swap SATA/SAS disk bays (<i>uses Disk bay area 1 and 2</i>) • 8 x 2.5" hot-swap SATA/SAS disk bays (<i>uses Disk bay area 1</i>) • 16 x 2.5" hot-swap SATA/SAS disk bays (<i>uses Disk bay area 1 and 2</i>)
Optical drive (optional)	Supports two half-height 5.25" optical bays, up to two optical drives		
Onboard network	Two Gigabit Ethernet port via two Intel 82574L, either port can work as dedicate/share management (via BIOS setting)		Expansion Slots Up to six expansion slots**: Slot 1: half-length, full-height, 32-bit PCI 2.3 Slot 2: half-length, full-height, PCIe 3.0 x8 (<i>x4 elec</i>) Slot 3: half-length, full-height, PCIe 3.0 x8 Slot 4: half-length, full-height, PCIe 3.0 x8 Slot 5: half-length, full-height, PCIe 3.0 x16 Slot 6: half-length, full-height, PCIe 3.0 x8 (<i>near CPU</i>) ** Single processor models: Slot 1, 2, 5 are functional Dual processor models: All six slot are functional
Discrete network (optional)	Supports the following Intel Server Adapter options on selected models: 1Gbps: 350-T2/350-T4 10Gbps: X520-SR2/X520-DA2/X540-T2/Fiber Module for X520-DA2		
Intelligent Diagnostics Module (optional)	Supports optional Intelligent Diagnostics Module (IDM) on selected models, IDM LED lights indicate failing component category		Ports 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 Internal USB: One internal USB port (Type A)
Systems management (TMM Premium is optional)	<ul style="list-style-type: none"> • Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); optional ThinkServer Management Module Premium for iKVM functions • Front control panel LEDs shows the status of power, hard drive activity, network, system • ThinkServer EasyStartup/EasyManage/EasyUpdate 		
Power supply	Supports one of the following, depending on models: <ul style="list-style-type: none"> • One fixed 625 watts, universal, 80 PLUS Bronze qualified • Up to two redundant 800 watts, two maximum, rear access, hot-swap, 80 PLUS Gold qualified, redundant with two power supplies 		Ports 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 Internal USB: One internal USB port (Type A)
Security features (TPM is optional)	Power-on password/administrator password, Trusted Platform Module (TCG 1.2-compliant) on selected models		

*** Some models: one 625W fixed power supply

See footnotes for more detailed information
Model(s) announced January 21, 2014

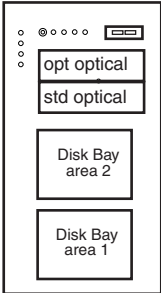
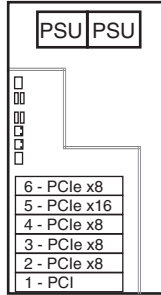
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(70B7-1) February 2014

ThinkServer TD340 TopSeller Models - 70B7 - II (January 2014)

Product Specifications Reference (PSREF)

Type-model	Intel Xeon Processor	2nd CPU	Memory	Disk Bays	RAID controller	Storage	Optical	Discrete ethernet	Intelligent Diagnostics (IDM)	ThinkServer Management Module Premium (Premium)	Tower to Rack kit	Discrete Graphics	TPM	Preloaded OS	Power Supply	Warranty (-year, on-site)
70B7002PUX	Xeon E5-2450 v2 8C/2.5GHz/20MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	4x3.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3
70B7002QUX	Xeon E5-2470 v2 10C/2.4GHz/25MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	4x3.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3
70B7002RUX	Xeon E5-2420 v2 6C/2.2GHz/15MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	8x3.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3
70B7002SUX	Xeon E5-2430 v2 6C/2.5GHz/15MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	8x3.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3
70B7002TUX	Xeon E5-2440 v2 8C/1.9GHz/20MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	8x3.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3
70B7002UUX	Xeon E5-2450 v2 8C/2.5GHz/20MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	8x3.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3
70B7002VUX	Xeon E5-2470 v2 10C/2.4GHz/25MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	8x3.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3

- For detailed platform specifications, please see [ThinkServer TD340 Platform Specifications sheets](#)
- For optional configurations of ThinkServer TD340, please see [ThinkServer TD340 Optional Configurations sheets](#)
- For ThinkServer TD340 operating system and virtualization supportability, please see [ThinkServer TD340 Operating System and Virtualization Supportability Matrix sheets](#)
- For Lenovo services upgrade options for ThinkServer TD340, please see [ThinkServer TD340 Services Upgrade Options sheets](#)

Chipset	Intel C606 Chipset, two LGA1356 sockets for processors	Environmental certifications	<ul style="list-style-type: none">• Energy Star Server 2.0 qualified for models with 800 watts hot-swap PSU• Energy Star Server 1.1 qualified for models with 625 watts fixed PSU• RoHS-compliant
Memory DIMMs	Twelve DIMM sockets, six DIMM sockets per processor		
Memory capacity	Up to 192GB DDR3 LV RDIMM (16GB x 12), or up to 48GB DDR3 LV UDIMM (4GB x 12)	Front 	Mechanical <ul style="list-style-type: none">• Tower, rack-mountable to 5U via optional conversion kit (<i>Conversion kit is not included in model</i>)• 7.68" W x 23.4" D x 16.9" H (<i>without foot</i>)• 195mm W x 595mm D x 430mm H (<i>without foot</i>)• 57.3 lb (26kg) max configuration
Memory protection	ECC, memory mirroring, memory sparing		
RAID support	Supports one of the following, depending on models: RAID 100: RAID 0, 1, 10 standard, optional upgrade key for RAID 5 RAID 300: RAID 0, 1, 10 standard, optional upgrade key for RAID 5 RAID 500: RAID 0, 1, 10 standard, optional upgrade key for RAID 5, 50 RAID 700: RAID 0, 1, 10, 5, 50, 6, 60 standard, 512MB cache, optional intelligent Battery Backup Unit RAID 710: RAID 0, 1, 10, 5, 50, 6, 60 standard, 1GB cache, optional CacheVault flash cache with super capacitor/CacheCade Pro 2.0/FastPath key <i>*RAID 50, 60 are functional on 8 or 16 disk bay models only, RAID100 supports SATA drives only</i>	Rear*** 	Disk bay Configurations Supports one of the following, depending on models: <ul style="list-style-type: none">• 4 x 3.5" non-hot swap SATA disk bays (<i>uses Disk bay area 1</i>)• 4 x 3.5" hot-swap SATA/SAS disk bays (<i>uses Disk bay area 1</i>)• 8 x 3.5" hot-swap SATA/SAS disk bays (<i>uses Disk bay area 1 and 2</i>)• 8 x 2.5" hot-swap SATA/SAS disk bays (<i>uses Disk bay area 1</i>)• 16 x 2.5" hot-swap SATA/SAS disk bays (<i>uses Disk bay area 1 and 2</i>)
Optical drive (optional)	Supports two half-height 5.25" optical bays, up to two optical drives		
Onboard network	Two Gigabit Ethernet port via two Intel 82574L, either port can work as dedicate/share management (via BIOS setting)		Expansion Slots Up to six expansion slots**: Slot 1: half-length, full-height, 32-bit PCI 2.3 Slot 2: half-length, full-height, PCIe 3.0 x8 (<i>x4 elec</i>) Slot 3: half-length, full-height, PCIe 3.0 x8 Slot 4: half-length, full-height, PCIe 3.0 x8 Slot 5: half-length, full-height, PCIe 3.0 x16 Slot 6: half-length, full-height, PCIe 3.0 x8 (<i>near CPU</i>) <i>** Single processor models: Slot 1, 2, 5 are functional</i> <i>Dual processor models: All six slot are functional</i>
Discrete network (optional)	Supports the following Intel Server Adapter options on selected models: 1Gbps: 350-T2/I350-T4 10Gbps: X520-SR2/X520-DA2/X540-T2/Fiber Module for X520-DA2		
Intelligent Diagnostics Module (optional)	Supports optional Intelligent Diagnostics Module (IDM) on selected models, IDM LED lights indicate failing component category		Ports 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 Internal USB: One internal USB port (Type A)
Systems management (TMM Premium is optional)	<ul style="list-style-type: none">• Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); optional ThinkServer Management Module Premium for iKVM functions• Front control panel LEDs shows the status of power, hard drive activity, network, system• ThinkServer EasyStartup/EasyManage/EasyUpdate		
Power supply	Supports one of the follwing, depending on models: <ul style="list-style-type: none">• One fixed 625 watts, universal, 80 PLUS Bronze qualified• Up to two redundant 800 watts, two maximum, rear access, hot-swap, 80 PLUS Gold qualified, redundant with two power supplies		
Security features (TPM is optional)	Power-on password/administrator password, Trusted Platform Module (TCG 1.2-compliant) on selected models		
			*** Some models: one 625W fixed power supply

See footnotes for more detailed information
Model(s) announced January 21, 2014

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(70B7-2) February 2014

ThinkServer TD340 TopSeller Models - 70B7 - III (January 2014)

Product Specifications Reference (PSREF)

Type-model	Intel Xeon Processor	2nd CPU	Memory	Disk Bays	RAID controller	Storage	Optical	Discrete ethernet	Intelligent Diagnostics (IDM)	ThinkServer Management Module Premium (Premium)	Tower to Rack kit	Discrete Graphics	TPM	Preloaded OS	Power Supply	Warranty (-year, on-site)
70B7002WUX	Xeon E5-2420 v2 6C/2.2GHz/15MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	8x2.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3
70B7002XUX	Xeon E5-2430 v2 6C/2.5GHz/15MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	8x2.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3
70B7002YUX	Xeon E5-2440 v2 8C/1.9GHz/20MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	8x2.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3
70B70030UX	Xeon E5-2450 v2 8C/2.5GHz/20MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	8x2.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3
70B70031UX	Xeon E5-2470 v2 10C/2.4GHz/25MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	8x2.5" HS (SATA/SAS)	RAID300	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3
70B70032UX	Xeon E5-2420 v2 6C/2.2GHz/15MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	16x2.5" HS (SATA/SAS)	RAID700	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3
70B70033UX	Xeon E5-2430 v2 6C/2.5GHz/15MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	16x2.5" HS (SATA/SAS)	RAID700	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3

- For detailed platform specifications, please see [ThinkServer TD340 Platform Specifications sheets](#)
- For optional configurations of ThinkServer TD340, please see [ThinkServer TD340 Optional Configurations sheets](#)
- For ThinkServer TD340 operating system and virtualization supportability, please see [ThinkServer TD340 Operating System and Virtualization Supportability Matrix sheets](#)
- For Lenovo services upgrade options for ThinkServer TD340, please see [ThinkServer TD340 Services Upgrade Options sheets](#)

Chipset	Intel C606 Chipset, two LGA1356 sockets for processors	Environmental certifications	Energy Star Server 2.0 qualified for models with 800 watts hot-swap PSU Energy Star Server 1.1 qualified for models with 625 watts fixed PSU RoHS-compliant
Memory DIMMs	Twelve DIMM sockets, six DIMM sockets per processor		
Memory capacity	Up to 192GB DDR3 LV RDIMM (16GB x 12), or up to 48GB DDR3 LV UDIMM (4GB x 12)	Front	Mechanical <ul style="list-style-type: none"> • Tower, rack-mountable to 5U via optional conversion kit (<i>Conversion kit is not included in model</i>) • 7.68" W x 23.4" D x 16.9" H (<i>without foot</i>) • 195mm W x 595mm D x 430mm H (<i>without foot</i>) • 57.3 lb (26kg) max configuration
Memory protection	ECC, memory mirroring, memory sparing		
RAID support	Supports one of the following, depending on models: RAID 100: RAID 0, 1, 10 standard, optional upgrade key for RAID 5 RAID 300: RAID 0, 1, 10 standard, optional upgrade key for RAID 5 RAID 500: RAID 0, 1, 10 standard, optional upgrade key for RAID 5, 50 RAID 700: RAID 0, 1, 10, 5, 50, 6, 60 standard, 512MB cache, optional intelligent Battery Backup Unit RAID 710: RAID 0, 1, 10, 5, 50, 6, 60 standard, 1GB cache, optional CacheVault flash cache with super capacitor/CacheCade Pro 2.0/FastPath key <i>*RAID 50, 60 are functional on 8 or 16 disk bay models only, RAID100 supports SATA drives only</i>	Rear***	Disk bay Configurations Supports one of the following, depending on models: • 4 x 3.5" non-hot swap SATA disk bays (<i>uses Disk bay area 1</i>) • 4 x 3.5" hot-swap SATA/SAS disk bays (<i>uses Disk bay area 1</i>) • 8 x 3.5" hot-swap SATA/SAS disk bays (<i>uses Disk bay area 1 and 2</i>) • 8 x 2.5" hot-swap SATA/SAS disk bays (<i>uses Disk bay area 1</i>) • 16 x 2.5" hot-swap SATA/SAS disk bays (<i>uses Disk bay area 1 and 2</i>)
Optical drive (optional)	Supports two half-height 5.25" optical bays, up to two optical drives		
Onboard network	Two Gigabit Ethernet port via two Intel 82574L, either port can work as dedicate/share management (via BIOS setting)		Expansion Slots Up to six expansion slots**: Slot 1: half-length, full-height, 32-bit PCI 2.3 Slot 2: half-length, full-height, PCIe 3.0 x8 (<i>x4 elec</i>) Slot 3: half-length, full-height, PCIe 3.0 x8 Slot 4: half-length, full-height, PCIe 3.0 x8 Slot 5: half-length, full-height, PCIe 3.0 x16 Slot 6: half-length, full-height, PCIe 3.0 x8 (<i>near CPU</i>) ** Single processor models: Slot 1, 2, 5 are functional Dual processor models: All six slot are functional
Discrete network (optional)	Supports the following Intel Server Adapter options on selected models: 1Gbps: 350-T2/350-T4 10Gbps: X520-SR2/X520-DA2/X540-T2/Fiber Module for X520-DA2		
Intelligent Diagnostics Module (optional)	Supports optional Intelligent Diagnostics Module (IDM) on selected models, IDM LED lights indicate failing component category	Ports 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 Internal USB: One internal USB port (Type A)	Power supply Supports one of the following, depending on models: • One fixed 625 watts, universal, 80 PLUS Bronze qualified • Up to two redundant 800 watts, two maximum, rear access, hot-swap, 80 PLUS Gold qualified, redundant with two power supplies
Systems management (TMM Premium is optional)	<ul style="list-style-type: none"> • Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); optional ThinkServer Management Module Premium for iKVM functions • Front control panel LEDs shows the status of power, hard drive activity, network, system • ThinkServer EasyStartup/EasyManage/EasyUpdate 		
Power supply	Supports one of the following, depending on models: • One fixed 625 watts, universal, 80 PLUS Bronze qualified • Up to two redundant 800 watts, two maximum, rear access, hot-swap, 80 PLUS Gold qualified, redundant with two power supplies	*** Some models: one 625W fixed power supply	Security features (TPM is optional) Power-on password/administrator password, Trusted Platform Module (TCG 1.2-compliant) on selected models
Security features (TPM is optional)	Power-on password/administrator password, Trusted Platform Module (TCG 1.2-compliant) on selected models		

See footnotes for more detailed information
Model(s) announced January 21, 2014

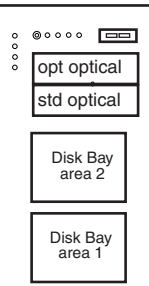
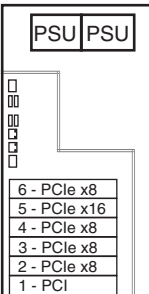
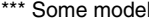
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(70B7-3) February 2014

ThinkServer TD340 TopSeller Models - 70B7 - IV (January 2014)

Product Specifications Reference (PSREF)

Type-model	Intel Xeon Processor	2nd CPU	Memory	Disk Bays	RAID controller	Storage	Optical	Discrete ethernet	Intelligent Diagnostics (IDM)	ThinkServer Management Module Premium (Premium)	Tower to Rack kit	Discrete Graphics	TPM	Preloaded OS	Power Supply	Warranty (-year, on-site)
70B70034UX	Xeon E5-2440 v2 8C/1.9GHz/20MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	16x2.5" HS (SATA/SAS)	RAID700	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3
70B70035UX	Xeon E5-2450 v2 8C/2.5GHz/20MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	16x2.5" HS (SATA/SAS)	RAID710	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3
70B70036UX	Xeon E5-2470 v2 10C/2.4GHz/25MB/1600MHz	No	8GBx1 1600MHz LVRDIMM	16x2.5" HS (SATA/SAS)	RAID710	Open	DVD±RW	No	IDM	TMM Premium	No	No	TPM	No	1x800W Redundant	3

- For detailed platform specifications, please see [ThinkServer TD340 Platform Specifications sheets](#)
- For optional configurations of ThinkServer TD340, please see [ThinkServer TD340 Optional Configurations sheets](#)
- For ThinkServer TD340 operating system and virtualization supportability, please see [ThinkServer TD340 Operating System and Virtualization Supportability Matrix sheets](#)
- For Lenovo services upgrade options for ThinkServer TD340, please see [ThinkServer TD340 Services Upgrade Options sheets](#)

Chipset	Intel C606 Chipset, two LGA1356 sockets for processors	Environmental certifications	Energy Star Server 2.0 qualified for models with 800 watts hot-swap PSU Energy Star Server 1.1 qualified for models with 625 watts fixed PSU RoHS-compliant
Memory DIMMs	Twelve DIMM sockets, six DIMM sockets per processor		
Memory capacity	Up to 192GB DDR3 LV RDIMM (16GB x 12), or up to 48GB DDR3 LV UDIMM (4GB x 12)	Front	Mechanical <ul style="list-style-type: none"> • Tower, rack-mountable to 5U via optional conversion kit (<i>Conversion kit is not included in model</i>) • 7.68" W x 23.4" D x 16.9" H (<i>without foot</i>) • 195mm W x 595mm D x 430mm H (<i>without foot</i>) • 57.3 lb (26kg) max configuration
Memory protection	ECC, memory mirroring, memory sparing		
RAID support	Supports one of the following, depending on models: RAID 100: RAID 0, 1, 10 standard, optional upgrade key for RAID 5 RAID 300: RAID 0, 1, 10 standard, optional upgrade key for RAID 5 RAID 500: RAID 0, 1, 10 standard, optional upgrade key for RAID 5, 50 RAID 700: RAID 0, 1, 10, 5, 50, 6, 60 standard, 512MB cache, optional intelligent Battery Backup Unit RAID 710: RAID 0, 1, 10, 5, 50, 6, 60 standard, 1GB cache, optional CacheVault flash cache with super capacitor/CacheCade Pro 2.0/FastPath key <i>*RAID 50, 60 are functional on 8 or 16 disk bay models only, RAID100 supports SATA drives only</i>	Rear***	Disk bay Configurations Supports one of the following, depending on models: • 4 x 3.5" non-hot swap SATA disk bays (<i>uses Disk bay area 1</i>) • 4 x 3.5" hot-swap SATA/SAS disk bays (<i>uses Disk bay area 1</i>) • 8 x 3.5" hot-swap SATA/SAS disk bays (<i>uses Disk bay area 1 and 2</i>) • 8 x 2.5" hot-swap SATA/SAS disk bays (<i>uses Disk bay area 1</i>) • 16 x 2.5" hot-swap SATA/SAS disk bays (<i>uses Disk bay area 1 and 2</i>)
Optical drive (optional)	Supports two half-height 5.25" optical bays, up to two optical drives		
Onboard network	Two Gigabit Ethernet port via two Intel 82574L, either port can work as dedicate/share management (via BIOS setting)		Expansion Slots Up to six expansion slots**: Slot 1: half-length, full-height, 32-bit PCI 2.3 Slot 2: half-length, full-height, PCIe 3.0 x8 (<i>x4 elec</i>) Slot 3: half-length, full-height, PCIe 3.0 x8 Slot 4: half-length, full-height, PCIe 3.0 x8 Slot 5: half-length, full-height, PCIe 3.0 x16 Slot 6: half-length, full-height, PCIe 3.0 x8 (<i>near CPU</i>) ** Single processor models: Slot 1, 2, 5 are functional Dual processor models: All six slot are functional
Discrete network (optional)	Supports the following Intel Server Adapter options on selected models: 1Gbps: 350-T2/I350-T4 10Gbps: X520-SR2/X520-DA2/X540-T2/Fiber Module for X520-DA2		
Intelligent Diagnostics Module (optional)	Supports optional Intelligent Diagnostics Module (IDM) on selected models, IDM LED lights indicate failing component category		Ports 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 Internal USB: One internal USB port (Type A)
Systems management (TMM Premium is optional)	<ul style="list-style-type: none"> • Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); optional ThinkServer Management Module Premium for iKVM functions • Front control panel LEDs shows the status of power, hard drive activity, network, system • ThinkServer EasyStartup/EasyManage/EasyUpdate 		
Power supply	Supports one of the following, depending on models: • One fixed 625 watts, universal, 80 PLUS Bronze qualified • Up to two redundant 800 watts, two maximum, rear access, hot-swap, 80 PLUS Gold qualified, redundant with two power supplies		*** Some models: one 625W fixed power supply
Security features (TPM is optional)	Power-on password/administrator password, Trusted Platform Module (TCG 1.2-compliant) on selected models		

See footnotes for more detailed information
Model(s) announced January 21, 2014

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ThinkServer TD340 Relationship Model

Product Specifications Reference (PSREF)

List of ThinkServer TD340 Relationship models

Type-model	Intel Xeon Processor	2nd CPU	Memory	Disk Bays	RAID controller	Storage	Optical	Discrete ethernet	Intelligent Diagnostics (IDM)	ThinkServer Management Module Premium (Premium)	Tower to Rack kit	Discrete Graphics	TPM	Preloaded OS	Power Supply	Warranty (-year, on-site)
Model(s) announced January 21, 2014																
70B60002UX	Xeon E5-2420 v2 6C/2.2GHz/15MB/1600MHz	No	8GBx4 1600MHz LVRDIMM	4x3.5" HS (SATA/SAS)	RAID500 +Upgrade	4x2TB 3.5" SATA	DVD±RW	350T2	IDM	TMM Premium	No	No	TPM	No	2x800W Redundant	3
70B60003UX	Xeon E5-2440 v2 8C/1.9GHz/20MB/1600MHz	2nd	8GBx8 1600MHz LVRDIMM	8x3.5" HS (SATA/SAS)	RAID700	8x2TB 3.5" SAS	DVD±RW	350T2	IDM	TMM Premium	No	No	TPM	No	2x800W Redundant	3
70B60004UX	Xeon E5-2450 v2 8C/2.5GHz/20MB/1600MHz	2nd	8GBx12 1600MHz LVRDIMM	16x2.5" HS (SATA/SAS)	RAID710 +CacheVault	8x300GB 2.5" SAS	DVD±RW	350T4	IDM	TMM Premium	No	No	TPM	No	2x800W Redundant	3

Note:

- For detailed platform specifications, please see [ThinkServer TD340 Platform Specifications](#) sheets
- For optional configurations of ThinkServer TD340, please see [ThinkServer TD340 Optional Configurations](#) sheets
- For ThinkServer TD340 operating system and virtualization supportability, please see [ThinkServer TD340 Operating System and Virtualization Supportability Matrix](#) sheets
- For Lenovo services upgrade options for ThinkServer TD340, please see [ThinkServer TD340 Services Upgrade Options](#) sheets

ThinkServer TD340 Platform Systems Specifications - I of II

Components	Specifications																		
Mechanical	<ul style="list-style-type: none">Tower, rack-mountable to 5U via optional conversion kit7.68" W x 23.4" D x 16.9" H (without foot)195mm W x 595mm D x 430mm H (without foot)57.3 lb (26kg) max configuration																		
Chipset	Intel C606 Chipset																		
Processors	Two LGA1356 sockets, supports up to two processors from Intel Xeon E5-2400 v2 or Xeon E5-2400 families, the following processor options are supported:																		
	<table><tr><th rowspan="2">Processor Number</th><th colspan="8">Processors Specifications*</th><th rowspan="2">Part Number</th></tr><tr><th># of Cores</th><th># of Threads</th><th>Clock Speed</th><th>Max Turbo Frequency</th><th>Cache</th><th>QPI Speed</th><th>Max TDP</th><th>Memory Speed</th></tr></table>	Processor Number	Processors Specifications*								Part Number	# of Cores	# of Threads	Clock Speed	Max Turbo Frequency	Cache	QPI Speed	Max TDP	Memory Speed
	Processor Number		Processors Specifications*									Part Number							
		# of Cores	# of Threads	Clock Speed	Max Turbo Frequency	Cache	QPI Speed	Max TDP	Memory Speed										
	Intel Xeon E5-2400 v2 Series																		
	Xeon E5-2470 v2	10	20	2.4 GHz	3.2 GHz	25MB	8 GT/s	95W	DDR3-1600	0C19561									
	Xeon E5-2450L v2	10	20	1.7 GHz	2.1 GHz	25MB	7.2 GT/s	60W	DDR3-1600	0C19568									
	Xeon E5-2450 v2	8	16	2.5 GHz	3.3 GHz	20MB	8 GT/s	95W	DDR3-1600	0C19562									
	Xeon E5-2440 v2	8	16	1.9 GHz	2.4 GHz	20MB	7.2 GT/s	95W	DDR3-1600	0C19563									
	Xeon E5-2430L v2	6	12	2.4 GHz	2.8 GHz	15MB	7.2 GT/s	60W	DDR3-1600	0C19569									
	Xeon E5-2430 v2	6	12	2.5 GHz	3 GHz	15MB	7.2 GT/s	80W	DDR3-1600	0C19564									
	Xeon E5-2420 v2	6	12	2.2 GHz	2.7 GHz	15MB	7.2 GT/s	80W	DDR3-1600	0C19565									
	Xeon E5-2407 v2	4	4	2.4 GHz	2.4 GHz	10MB	6.4 GT/s	80W	DDR3-1333	0C19566									
	Xeon E5-2403 v2	4	4	1.8 GHz	1.8 GHz	10MB	6.4 GT/s	80W	DDR3-1333	0C19567									
	Intel Xeon E5-2400 Series																		
Xeon E5-2420	6	12	1.9 GHz	2.4 GHz	15MB	7.2 GT/s	95 W	DDR3-1333	0A89456										
	<i>Notes:</i> All processors specifications is provided by Intel and may be changed at any time without notice. The information herein is provided "as-is". Intel may update this information in non-scheduled. For latest information, please see http://ark.intel.com/																		
Memory type	1600MHz, LV UDIMM or LV RDIMM, DDR3, 3-channel per processor, 240-pin																		
Memory DIMMs	Twelve DIMM sockets, six DIMM sockets per processor																		
Memory capacity	Up to 192GB DDR3 LV RDIMM (16GB x 12) or up to 48GB DDR3 LV UDIMM (4GB x 12)																		
Memory protection	ECC, memory mirroring, memory sparing																		
Additional memory disclaimers	<ul style="list-style-type: none">Actual memory operating speed depends on processor memory controller speed, installed memory speed, and quantity of memory DIMMsMaximum memory operating speed are 1333MT/s on LV UDIMM modelsOver six DIMMs requires dual processorsMixing of LV UDIMM or LV RDIMM is not supported																		
Disk bays configurations	Supports one of the following disk bay configurations: 4 x 3.5" non-hot swap disk bays, supports SATA non-hot swap hard drives 4 x 3.5" hot-swap Disk bays, supports SATA/SAS hot-swap hard drives or SSD drives 8 x 3.5" hot-swap Disk bays, supports SATA/SAS hot-swap hard drives or SSD drives 8 x 2.5" hot-swap Disk bays, supports SATA/SAS hot-swap hard drives or SSD drives 16 x 2.5" hot-swap Disk bays, supports SATA/SAS hot-swap hard drives or SSD drives																		
RAID support	RAID adapter	Disk type	RAID support*	Cache	Transfer rates	Optional upgrades													
	RAID 100 (onboard)	SATA	0, 1, 10		6Gb/s	optional upgrade key, add RAID 5 support													
	RAID 300 (onboard)	SATA/SAS	0, 1, 10		6Gb/s	optional upgrade key, add RAID 5 support													
	RAID 500 (LSI 9240-8i)	SATA/SAS	0, 1, 10		6Gb/s	optional upgrade key, add RAID 5, 50 support													
	RAID 700 (LSI 9260-8i)	SATA/SAS	0, 1, 10, 5, 50, 6, 60	512MB	6Gb/s	optional intelligent Battery Backup Unit (iBBU08)													
	RAID 710 (LSI 9270CV-8i)	SATA/SAS	0, 1, 10, 5, 50, 6, 60	1GB	6Gb/s	<ul style="list-style-type: none">optional CacheVault (CV) flash cache with super capacitoroptional CacheCade Pro 2.0optional FastPath key													
	*RAID 50, 60 are functional on 8 or 16 disk bay models only, RAID100 supports SATA drives only																		
Optical drive (optional)	Supports two half-height 5.25" optical bays, up to two optical drives																		
Onboard network	Two Gigabit Ethernet port via two Intel 82574L, either port can be set to dedicate/share management via BIOS																		

ThinkServer TD340 Platform Systems Specifications - II of II

Components	Specifications		
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		
Internal USB	One internal USB port (Type A)		
Expansion Slots	Up to six PCI-Express slots (only slot 1, 2, 5 are functional for single processor models): Slot 1: half-length, full-height, 32-bit PCI 2.3 Slot 2: half-length, full-height, PCIe 3.0 x8 (<i>x4 elec</i>) Slot 3: half-length, full-height, PCIe 3.0 x8 Slot 4: half-length, full-height, PCIe 3.0 x8 Slot 5: half-length, full-height, PCIe 3.0 x16 Slot 6: half-length, full-height, PCIe 3.0 x8 (<i>near CPU</i>)		
Graphics	Onboard Aspeed AST2300 graphics/management processor, one VGA DB-15 on rear (<i>Maximum resolution: 1600x1200@60Hz</i>). Discrete NVIDIA NVS 300 graphics adapter is available on selected models		
Intelligent Diagnostics Module (optional)	Supports optional Intelligent Diagnostics Module (IDM) on selected models, IDM LED lights indicate failing component category		
Systems management (TMM Premium is optional)	<ul style="list-style-type: none"> Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); optional ThinkServer Management Module Premium for iKVM functions Front control panel LEDs shows the status of power, hard drive activity, network, system ThinkServer EasyStartup/EasyManage/EasyUpdate 		
Security features (TPM is optional)	Power-on password/administrator password/ Trusted Platform Module (TCG 1.2-compliant, optional)		
Power supply	Supports one of the following, depending on models: <ul style="list-style-type: none"> One fixed 625 watts, universal, 80 PLUS Bronze qualified Up to two redundant 800 watts, two maximum, rear access, hot-swap, 80 PLUS Gold qualified, redundant with two power supplies 		
Safety, environment, and certifications	Environmental certifications	<ul style="list-style-type: none"> Energy Star Server 2.0 qualified for models with 800 watts hot-swap PSU Energy Star Server 1.1 qualified for models with 625 watts fixed PSU RoHS-compliant 	
	EMC	FCC Class A, CSA, CE	
	240VA	Supports	
	Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)	
	Temperature - non operating (no package)	-10 °C to 60 °C	
	Temperature - non operating (with package)	-40 °C to 60 °C	
	Altitude - operating	Supported Altitude (unpressurized): 0-10000ft (0-3048m)	
	Humidity - operating	10%~80%, non-condensing	
	Humidity - non operating (no package)	8%~90%, non-condensing	
	Humidity - non operating (with package)	8%~90%, non-condensing	
	Acoustic noise (idle/working mode)	System Configuration	
		Category	Entry level High-end
		CPU	1 x CPU 2 x CPU
		Optical Drive	1 DVD-ROM 1 DVD-ROM
		Drive Bays	4 x 3.5" direct cable 8 x 3.5" hot-swap
		HDD	2 x 500GB 3.5" SATA 8 x 2TB 3.5" SAS
		Memory	2GB x 1 (LV UDIMM) 8GB x 12 (LV RDIMM)
		PSU	1 x 625 watts fixed 1 x 800 watts hot-swap
		RAID	RAID 1 RAID 5
		Expansion Adapters	No 1 x RAID 700 2 x Ethernet Adapters
		Sound Pressure (operating)	37.0 dB(A) 42.0 dB(A)
		Sound Pressure (idle)	35.0 dB(A) 38.0 dB(A)

ThinkServer TD340 Optional Configurations

Partial list of accessories supported on ThinkServer TD340

ThinkServer Ready accessories are available through Lenovo Business Partners. Locate a Business Partner near you at: bplocator.lenovo.com

Option Number	Option Description
Processors	
0A89456	Intel Xeon E5-2420 Processor Option for ThinkServer TD340
0C19561	Intel Xeon E5-2470 v2 Processor Option for ThinkServer TD340
0C19562	Intel Xeon E5-2450 v2 Processor Option for ThinkServer TD340
0C19563	Intel Xeon E5-2440 v2 Processor Option for ThinkServer TD340
0C19564	Intel Xeon E5-2430 v2 Processor Option for ThinkServer TD340
0C19565	Intel Xeon E5-2420 v2 Processor Option for ThinkServer TD340
0C19566	Intel Xeon E5-2407 v2 Processor Option for ThinkServer TD340
0C19567	Intel Xeon E5-2403 v2 Processor Option for ThinkServer TD340
0C19568	Intel Xeon E5-2450L v2 Processor Option for ThinkServer TD340
0C19569	Intel Xeon E5-2430L v2 Processor Option for ThinkServer TD340
Memory	
0C19499	ThinkServer 4GB DDR3L-1600MHz (1Rx8) ECC UDIMM
0C19500	ThinkServer 8GB DDR3L-1600MHz (2Rx8) ECC UDIMM
0C19533	ThinkServer 4GB DDR3L-1600MHz (1Rx8) RDIMM
0C19534	ThinkServer 8GB DDR3L-1600MHz (2Rx8) RDIMM
0C19535	ThinkServer 16GB DDR3L-1600MHz (2Rx4) RDIMM
Drives - 3.5"	
3.5" Cabled SATA Hard Drives	
0C19501	ThinkServer 3.5" 500GB 7.2K Enterprise SATA 6Gbps Hard Drive
0C19502	ThinkServer 3.5" 1TB 7.2K Enterprise SATA 6Gbps Hard Drive
0C19503	ThinkServer 3.5" 2TB 7.2K Enterprise SATA 6Gbps Hard Drive
0C19504	ThinkServer 3.5" 3TB 7.2K Enterprise SATA 6Gbps Hard Drive
0C19505	ThinkServer 3.5" 4TB 7.2K Enterprise SATA 6Gbps Hard Drive
3.5" Hot Swap SATA Hard Drives	
0A89473	ThinkServer 500GB 3.5" 7.2K Enterprise SATA 6Gbps Hot Swap Hard Drive
0A89474	ThinkServer 1TB 3.5" 7.2K Enterprise SATA 6Gbps Hot Swap Hard Drive
0A89475	ThinkServer 2TB 3.5" 7.2K Enterprise SATA 6Gbps Hot Swap Hard Drive
0A89477	ThinkServer 3TB 3.5" 7.2K Enterprise SATA 6Gbps Hot Swap Hard Drive
0C19520	ThinkServer 4TB 3.5" 7.2K Enterprise SATA 6Gbps Hot Swap Hard Drive
3.5" Hot Swap 7.2K SAS Hard Drives	
0C19530	ThinkServer 3.5" 1TB 7.2K SAS 6Gbps Hot Swap Hard Drive
0C19531	ThinkServer 3.5" 2TB 7.2K SAS 6Gbps Hot Swap Hard Drive
0C19532	ThinkServer 3.5" 3TB 7.2K SAS 6Gbps Hot Swap Hard Drive
3.5" Hot Swap 15K SAS Hard Drives	
67Y2616	ThinkServer 3.5" 300GB 15K SAS 6Gbps Hot Swap Hard Drive
4XB0F28644	ThinkServer 3.5" 600GB 15K SAS 6Gbps Hot Swap Hard Drive
3.5" Hot Swap SATA Solid State Drives	
0C19571	ThinkServer 2.5" 100GB MLC SATA Solid State Drive with 3.5" Kit
0C19572	ThinkServer 2.5" 200GB MLC SATA Solid State Drive with 3.5" Kit
0C19573	ThinkServer 2.5" 400GB MLC SATA Solid State Drive with 3.5" Kit
Drives - 2.5"	
2.5" Hot Swap SATA Hard Drives	
0C19495	ThinkServer 500GB 7.2K 2.5" Enterprise SATA 6Gbps Hot Swap Hard Drive
0C19496	ThinkServer 1TB 7.2K 2.5" Enterprise SATA 6Gbps Hot Swap Hard Drive
2.5" Hot Swap 10K SAS Hard Drives	
67Y2619	ThinkServer 300GB 2.5" 10K SAS 6Gbps Hot Swap Hard Drive
67Y2621	ThinkServer 600GB 2.5" 10K SAS 6Gbps Hot Swap Hard Drive
0A89409	ThinkServer 900GB 2.5" 10K SAS 6Gbps Hot Swap Hard Drive
2.5" Hot Swap SATA Solid State Drives	
0A89418	ThinkServer 2.5" 200GB MLC SATA Solid State Drive (HS)
0A89419	ThinkServer 2.5" 400GB MLC SATA Solid State Drive (HS)
0A89420	ThinkServer 2.5" 100GB MLC SATA Solid State Drive (HS)

Option Number	Option Description
RAID	
0A89422	ThinkServer RAID 300 Upgrade Key for Advanced RAID
0A89464	ThinkServer RAID 500 Adapter II
0A89407	ThinkServer RAID 500 Upgrade Key for Advanced RAID
0A89463	ThinkServer RAID 700 Adapter II
67Y2647	ThinkServer RAID 700 Battery
0C19489	ThinkServer RAID 710 Adapter
0C19490	ThinkServer RAID CacheVault Data Protection for RAID 710
0C19491	ThinkServer RAID FastPath Feature Upgrade Key for RAID 710
0C19492	ThinkServer RAID CacheCade Pro 2.0 Feature Upgrade Key for RAID 710
Ethernet	
0C19506	ThinkServer 1Gbps Ethernet I350-T2 Server Adapter
0C19507	ThinkServer 1Gbps Ethernet I350-T4 Server Adapter
0C19486	Lenovo 10Gbps Ethernet X520-DA2 Server Adapter (SPF+)
0C19487	Lenovo 10Gbps Ethernet X520-SR2 Server Adapter (Fibre)
0C19497	Lenovo 10Gbps Ethernet X540-T2 Server Adapter
0C19488	Lenovo 10Gbps Ethernet Fiber Module
HBA	
0C19476	ThinkServer LPe1250 Single Port 8Gb Fibre Channel HBA by Emulex
0C19478	ThinkServer LPe12002 Dual Port 8Gb Fibre Channel HBA by Emulex
0C19483	ThinkServer QLE8242-CU-CK Dual Port CNA by QLogic
0C19482	ThinkServer QLE2562 Dual Port 8Gb Fibre Channel HBA by QLogic
Redundant Power Supply	
4X20E54691	ThinkServer 800W Gold Hot Swap Redundant Power Supply for Tower
Other	
0C19515	ThinkServer Tower to Rack Shelf Conversion Kit
67Y2624	ThinkServer Management Controller Premium Upgrade
73P5220	Lenovo Preferred Pro Keyboard USB - US English 103P
06P4069	Lenovo Optical Mouse
Microsoft Windows Server ROK	
4XI0E51561	Windows Server 2012 R2 Standard ROK (2 CPU/2VMs)
4XI0E51562	Windows Server 2012 R2 Datacenter ROK (2 CPU)
4XI0E51563	Windows Server 2012 R2 Essentials ROK (1-2 CPU)
82972SM	Windows Server 2012 Standard ROK (2 CPU/2VMs)
82972DM	Windows Server 2012 Datacenter ROK (2 CPU)
82972EM	Windows Server 2012 Essentials ROK (1-2 CPU)

For more information on server accessories, please visit:

www.lenovo.com/support/accessories

www.lenovo.com/support/thinkserveraccessories

www.lenovo.com/support/security

Other accessories at www.lenovo.com/accessories

Accessories Guide pdf at www.lenovo.com/accessoriesguide

ThinkServer TD340 Operating System and Virtualization Supportability Matrix

List of operating system and virtualization software supported on ThinkServer TD340

Operating System/Virtualization	Certified	Support ROK	Supports EasyStartup	Preloaded
Windows Server 2008 x86 Edition				
Windows Server 2008 Standard Edition (x86)			•	
Windows Server 2008 Enterprise Edition (x86)			•	
Windows Server 2008 Datacenter Edition (x86)			•	
Windows Server 2008 x64 Edition				
Windows Server 2008 Standard Edition (x64) (Include Hyper-v)	•		•	
Windows Server 2008 Enterprise Edition (x64) (Include Hyper-v)	•		•	
Windows Server 2008 Datacenter Edition (x64) (Include Hyper-v)	•		•	
Windows Server 2008 R2 (x64) with SP1				
Windows Server 2008 Standard Edition R2 with SP1(Include Hyper-v)	•	•	•	
Windows Server 2008 Enterprise Edition R2 with SP1(Include Hyper-v)	•	•	•	
Windows Server 2008 Datacenter Edition R2 with SP1(Include Hyper-v)	•	•	•	
Windows Small Business Server 2011				
Windows Small Business Server 2011 Essentials	•		•	
Windows Small Business Server 2011 Standard	•	•	•	
Windows Small Business Server Premium Add-On (including Hyper-V)	•	•	•	
Windows Server 2012				
Windows Server 2012 Standard (Include Hyper-v)	•	•	•	•
Windows Server 2012 Datacenter (Include Hyper-v)	•	•	•	•
Windows Server 2012 Essentials	•	•	•	•
Windows Server 2012 R2				
Windows Server 2012 R2 Standard (Include Hyper-v)	•	•	•	•
Windows Server 2012 R2 Datacenter (Include Hyper-v)	•	•	•	•
Windows Server 2012 R2 Essentials	•	•	•	•
Windows Server 2012 R2 Hyper-V	•		•	
SUSE Linux Enterprise Server x86				
SUSE Linux Enterprise Server 10 sp4 (32 bit)			•	
SUSE Linux Enterprise Server 11 sp2 (32 bit)	•		•	
SUSE Linux Enterprise Server x64				
SUSE Linux Enterprise Server 10 sp4 (64 bit)			•	
SUSE Linux Enterprise Server 11 sp2 (64 bit)	•		•	
RedHat Enterprise Linux Server (RHEL) x86				
RedHat RHEL 5.9 (32 bit)	•		•	
RedHat RHEL 5.10 (32 bit)	•		•	
RedHat RHEL 6.4 (32 bit)	•		•	
RedHat RHEL 6.5 (32 bit)	•		•	
RedHat Enterprise Linux Server x64				
RedHat RHEL 5.9 (64 bit)	•		•	
RedHat RHEL 5.10 (64 bit)	•		•	
RedHat RHEL 6.4 (64 bit)	•		•	
RedHat RHEL 6.5 (64 bit)	•		•	
VMware x64				
Vmware ESXi 5.1 U1	•		•	•
Vmware ESXi 5.5	•		•	•
Citrix				
Citrix XenServer 6.1	•		•	
Citrix XenServer 6.02	•		•	

Note:

- For more information on ThinkServer operating system and virtualization software, please visit ThinkServer Software page: <http://shop.lenovo.com/us/en/servers/thinkserver/server-software.html>
- For ThinkServer operating system and virtualization software options, please visit ThinkServer OS and virtualization Options document: http://www.lenovo.com/images/products/server/pdfs/datasheets/ThinkServer_OS_&_Virtualization_Options_Datasheet.pdf

ThinkServer TD340 Services Upgrade Options

Partial list of Lenovo Services for ThinkServer TD340 models with 3-year onsite base warranty
For more information see: http://www.lenovo.com/services_warranty/us/en/lenovo-warranty.html

Upgrade Service Description	Part Number
Warranty	
3-year Onsite 24x7x4 Hour Response	5WS0F46876
3-year Onsite 24x7x8 Hour Response	5WS0F46919
3-year Onsite 9x5x4 Hour Response	5WS0F46920
4-year Onsite 24x7x4 Hour Response	5WS0F46867
4-year Onsite 24x7x8 Hour Response	5WS0F46846
4-year Onsite 9x5x4 Hour Response	5WS0F46907
4-year Onsite NBD	5WS0F46930
5-year Onsite 24x7x4 Hour Response	5WS0F46937
5-year Onsite 24x7x8 Hour Response	5WS0F46861
5-year Onsite 9x5x4 Hour Response	5WS0F46903
5-year Onsite NBD	5WS0F46922
Keep Your Drive (KYD) Service	
3-year KYD	5WS0F46823
3-year Onsite 24x7x4 Hour Response + KYD	5WS0F46821
3-year Onsite 24x7x4 Hour Response + KYD + Priority Support	5WS0F46868
3-year Onsite 24x7x8 Hour Response + KYD	5WS0F46819
3-year Onsite 9x5x4 Hour Response + KYD	5WS0F46873
4-year Onsite 24x7x4 Hour Response + KYD	5WS0F46941
4-year Onsite 24x7x4 Hour Response + KYD + Priority Support	5WS0F46850
4-year Onsite 24x7x8 Hour Response + KYD	5WS0F46946
4-year Onsite 9x5x4 Hour Response + KYD	5WS0F46858
4-year Onsite NBD + KYD	5WS0F46869
5-year Onsite 24x7x4 Hour Response + KYD	5WS0F46866
5-year Onsite 24x7x8 Hour Response + KYD	5WS0F46934
5-year Onsite 9x5x4 Hour Response + KYD	5WS0F46852
5-year Onsite NBD + KYD	5WS0F46865
Priority Technical Support	
3-year KYD + Priority Support	5WS0F46940
3-year Onsite 24x7x4 Hour Response + Priority Support	5WS0F46900
3-year Onsite 24x7x8 Hour Response + KYD + Priority Support	5WS0F46862
3-year Onsite 24x7x8 Hour Response + Priority Support	5WS0F46889
3-year Onsite 24x7x8 Hour Support + Priority Support	5WS0F46897
3-year Onsite 9x5x4 Hour Response + KYD + Priority Support	5WS0F46915
3-year Onsite 9x5x4 Hour Response + Priority Support	5WS0F46935
3-year Priority Support	5WS0E76471
4-year Onsite 24x7x4 Hour Response + Priority Support	5WS0F46886
4-year Onsite 24x7x8 Hour Response + KYD + Priority Support	5WS0F46854
4-year Onsite 9x5x4 Hour Response + KYD + Priority Support	5WS0F46887
4-year Onsite 9x5x4 Hour Response + Priority Support	5WS0F46921
4-year Onsite NBD + KYD + Priority Support	5WS0F46884
4-year Onsite NBD + Priority Support	5WS0F46931
5-year Onsite 24x7x4 Hour Response + KYD + Priority Support	5WS0F46928
5-year Onsite 24x7x4 Hour Response + Priority Support	5WS0F46933
5-year Onsite 24x7x8 Hour Response + KYD + Priority Support	5WS0F46847
5-year Onsite 24x7x8 Hour Response + Priority Support	5WS0F46881
5-year Onsite 9x5x4 Hour Response + KYD + Priority Support	5WS0F46878
5-year Onsite 9x5x4 Hour Response + Priority Support	5WS0F46917
5-year Onsite NBD + KYD + Priority Support	5WS0F46926
5-year Onsite NBD + Priority Support	5WS0F46853
5-year Priority Support	5WS0E77173
5-year Onsite NBD + KYD + Priority Support	5PS0F15388
5-year Onsite NBD + Priority Support	5WS0F15463
5-year Priority Support	5WS0E77173

Upgrade Service Description	Part Number
Post Warranty	
1-year Onsite 24x7x4 Hour Response	5WS0F46814
1-year Onsite 24x7x4 Hour Response + KYD	5WS0F46817
1-year Onsite 24x7x4 Hour Response + KYD + Priority Support	5WS0F46828
1-year Onsite 24x7x4 Hour Response + Priority Support	5WS0F46831
1-year Onsite 24x7x8 Hour Response	5WS0F46822
1-year Onsite 24x7x8 Hour Response + KYD	5WS0F46825
1-year Onsite 24x7x8 Hour Response + KYD	5WS0F46838
1-year Onsite 24x7x8 Hour Response + Priority Support	5WS0F46842
1-year Onsite 9x5x4 Hour Response	5WS0F46833
1-year Onsite 9x5x4 Hour Response + KYD	5WS0F46834
1-year Onsite 9x5x4 Hour Response + KYD + Priority Support	5WS0F46848
1-year Onsite 9x5x4 Hour Response + Priority Support	5WS0F46849
1-year Onsite NBD	5WS0F46856
1-year Onsite NBD + KYD	5WS0F46845
1-year Onsite NBD + KYD + Priority Support	5WS0F46893
TopSeller Priority (TopSeller models only)	
3-year Onsite 24x7x4 Hour Response	5WS0F46918
3-year Onsite 9x5x4 Hour Response	5WS0F46924
4-year Onsite NBD	5WS0F46929
3-year Onsite 24x7x4 Hour Response + Priority Support	5WS0F46870
3-year Onsite 9x5x4 Hour Response + Priority Support	5WS0F46879
3-year Priority Support	5WS0E76457
4-year Priority Support	5WS0E76482

Note:

24x7x4: 4 Hour Onsite Response Time in 24x7 Service Window (requires Location Activation)

- 24 hours a day, 7 days a week, including nights and weekends
- Once the need for on-site presence is confirmed, an on-site technician is dispatched to arrive within 4 hours.
- Best coverage for business critical work loads

9x5x4: 4 Hour Onsite Response Time in 9x5 Service Window (requires Location Activation)

- Once the need for on-site presence is confirmed, an on-site technician is dispatched to arrive within 4 hours.

24x7x8: 8 Hour Onsite Response Time in 24x7 Service Window (requires Location Activation)

- 24 hours a day, 7 days a week, including nights and weekends
- Once the need for on-site presence is confirmed, an on-site technician is dispatched to arrive within 8 hours.

Priority Technical Support

Lenovo's Priority Technical Support provides direct access to an advanced level technician supporting all of hardware, operating system and software needs related to server issues, available 24 hours a day, 7 days a week.

Keep Your Drive (KYD) Service

Retain drive (hard drive or SSD) and confidential data if the drive must be replaced.

To confirm if 4hr services are available in a specified location, please use ThinkServer

Service Availability Tool: http://www.lenovo.com/services_warranty/us/en/locator.html

Once purchased, to activate the location of your 4hr/8hr ThinkServer Service, please use ThinkServer Service Activation page: <http://www.lenovo.com/activation>