lenovo® FOR THOSE WHO DO.™

LENOVO® THINKSERVER® OPTIONS AND UPGRADES

Enhance your server solutions.

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CHOOSE LENOVO THINKSERVER – ENTERPRISE-CLASS. OUTSTANDING VALUE.

From growing small businesses to enterprise workloads, Lenovo ThinkServer rack and tower servers meet your business-critical demands with legendary THINK quality and reliability, while maximizing your budget.

GET MORE OUT OF YOUR THINKSERVER SYSTEMS

As your business needs grow, you need IT that can grow with you — without straining your budget or increasing complexity. Cost-effective ThinkServer options give you added performance and functionality and are easy to install and configure so you can be up and running quickly and stay that way. Why should you buy ThinkServer-branded options?

- **Compatibility** – ThinkServer options and upgrades are thoroughly tested for compatibility for easy integration into your system. We don't mean just plugging the option in and powering on the system. We test ThinkServer options in multiple configurations to make sure we have full compatibility across the line.
- **Reliability** – Because reliability is key, we strive for flawless implementation so your server starts quickly and stays up and running. At Lenovo, we have high expectations from our suppliers. All ThinkServer options must meet stringent quality standards for reliability in enterprise environments. We source the best materials available and ensure they are living up to Lenovo standards.
- **Serviceability** – ThinkServer options inherit the base system warranty of the server to which they are installed – including 4-hour service upgrades. If your server is critical enough to your business to upgrade the warranty, the only way to ensure that availability is to choose ThinkServer options.
- **Optimization** – We turn the results from our rigorous quality testing into action and optimize many options to deliver the best ThinkServer performance possible.

BOOST YOUR PERFORMANCE

Processors and Memory

When you want to increase ThinkServer performance for database processing, virtualization and line-of-business applications among others, consider adding a second processor or expanding memory. ThinkServer rack and tower servers are powered by the latest-generation Intel® Xeon® processor technology, providing world-class performance and compute power. Lenovo-branded, low-voltage memory offers higher performance and more bandwidth over previous-generation technology, while reducing power consumption.

Part Number	Processor	RD640	RD540	RD440	RD340	TD340	TS440	TS140
0C19546	Intel Xeon E5-2697 v2 Processor Option for ThinkServer RD540/RD640	*	*					
0C19547	Intel Xeon E5-2695 v2 Processor Option for ThinkServer RD540/RD640	*	*					
0C19548	Intel Xeon E5-2690 v2 Processor Option for ThinkServer RD540/RD640	*	*					
0C19549	Intel Xeon E5-2680 v2 Processor Option for ThinkServer RD540/RD640	*	*					
0C19550	Intel Xeon E5-2670 v2 Processor Option for ThinkServer RD540/RD640	*	*					
0C19551	Intel Xeon E5-2660 v2 Processor Option for ThinkServer RD540/RD640	*	*					
0C19552	Intel Xeon E5-2650L v2 Processor Option for ThinkServer RD540/RD640	*	*					
0C19553	Intel Xeon E5-2667 v2 Processor Option for ThinkServer RD540/RD640	*	*					
0C19554	Intel Xeon E5-2650 v2 Processor Option for ThinkServer RD540/RD640	*	*					
0C19555	Intel Xeon E5-2640 v2 Processor Option for ThinkServer RD540/RD640	*	*					
0C19556	Intel Xeon E5-2630 v2 Processor Option for ThinkServer RD540/RD640	*	*					
0C19557	Intel Xeon E5-2620 v2 Processor Option for ThinkServer RD540/RD640	*	*					
0C19558	Intel Xeon E5-2630L v2 Processor Option for ThinkServer RD540/RD640	*	*					
0C19559	Intel Xeon E5-2609 v2 Processor Option for ThinkServer RD540/RD640	*	*					
0C19560	Intel Xeon E5-2603 v2 Processor Option for ThinkServer RD540/RD640	*	*					
0C19537	Intel Xeon E5-2470 v2 Processor Option for ThinkServer RD340/RD440			*	*			
0C19538	Intel Xeon E5-2450 v2 Processor Option for ThinkServer RD340/RD440			*	*			
0C19539	Intel Xeon E5-2440 v2 Processor Option for ThinkServer RD340/RD440			*	*			
0C19540	Intel Xeon E5-2430 v2 Processor Option for ThinkServer RD340/RD440			*	*			
0C19541	Intel Xeon E5-2420 v2 Processor Option for ThinkServer RD340/RD440			*	*			
0C19542	Intel Xeon E5-2407 v2 Processor Option for ThinkServer RD340/RD440			*	*			
0C19543	Intel Xeon E5-2403 v2 Processor Option for ThinkServer RD340/RD440			*	*			

Part Number	Processor	RD640	RD540	RD440	RD340	TD340	TS440	TS140
0C19544	Intel Xeon E5-2450L v2 Processor Option for ThinkServer RD340/RD440			*	*			
0C19545	Intel Xeon E5-2430L v2 Processor Option for ThinkServer RD340/RD440			*	*			
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					*		
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					*		

Part Number	Memory	RD640	RD540	RD440	RD340	TD340	TS440	TS140
0C19498	ThinkServer 2GB DDR3L-1600 MHz (1Rx8) ECC UDIMM					*	*	*
0C19499	ThinkServer 4GB DDR3L-1600 MHz (1Rx8) ECC UDIMM					*	*	*
0C19500	ThinkServer 8GB DDR3L-1600 MHz (2Rx8) ECC UDIMM						*	*
0C19533	ThinkServer 4GB DDR3L-1600 MHz (1Rx8) RDIMM	*	*	*	*	*		
0C19534	ThinkServer 8GB DDR3L-1600 MHz (2Rx8) RDIMM	*	*	*	*	*		
0C19535	ThinkServer 16GB DDR3L-1600 MHz (2Rx4) RDIMM	*	*	*	*	*		
4X70F28585	ThinkServer 4GB DDR3-1866 MHz (1Rx8) RDIMM	*	*					
4X70F28586	ThinkServer 8GB DDR3-1866 MHz (1Rx4) RDIMM	*	*					
4X70F28587	ThinkServer 16GB DDR3-1866 MHz (2Rx4) RDIMM	*	*					

STEP UP YOUR INTERNAL STORAGE

Hard-disk Drives and Solid-state Drives

Your data is likely your most important asset. For storage, you need no-compromises performance and high reliability. For ThinkServer, Lenovo offers a choice of the industry's most trusted SATA or SAS hard-disk drives as well as blazing-fast solid-state drives in various capacities that are tested for durability. Easy to install, ThinkServer drives are designed with ergonomic cradles that also make maintenance a snap. No matter your business needs, ThinkServer storage options deliver the performance, reliability, and capacity you demand. Wondering which drive type you should use? Consider this.

- SATA hard-disk drives offer an unbeatable combination of high scalability and budget-friendly prices.
- SAS hard-disk drives are typically only used in servers. They have better error-correcting capabilities than SATA hard-disk drives and are generally two-to-three times faster.
- Solid-state drives contain no moving parts making them more reliable than SATA or SAS hard-disk drives and much faster. Choose solid-state drives when the absolute highest performance and reliability are non-negotiable.

Part Number	Option	RD640	RD540	RD440	RD340	TD340	TS440	TS140
3.5" Hard-disk 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					★	★	★
0A89473	ThinkServer3.5" 500GB 7.2K Enterprise SATA 6Gbps Hot-Swap Hard Drive	★	★	★	★	★	★	
0A89474	ThinkServer 3.5" 1TB 7.2K Enterprise SATA 6Gbps Hot-Swap Hard Drive	★	★	★	★	★	★	
0A89475	ThinkServer 3.5" 2TB 7.2K Enterprise SATA 6Gbps Hot-Swap Hard Drive	★	★	★	★	★	★	
0A89477	ThinkServer 3.5" 3TB 7.2K Enterprise SATA 6Gbps Hot-Swap Hard Drive	★	★	★	★	★	★	
0C19520	ThinkServer 3.5" 4TB 7.2K Enterprise SATA 6Gbps Hot-Swap Hard Drive	★	★	★	★	★	★	
67Y2616	ThinkServer 3.5" 300GB 15K SAS 6Gbps Hot-Swap Hard Drive	★	★	★	★	★		
67Y2618	ThinkServer 3.5" 600GB 15K SAS 6Gbps Hot-Swap Hard Drive	★	★			★		
4XB0F28644	ThinkServer 3.5" 600GB 15K SAS 6Gbps Hot-Swap Hard Drive	★	★	★	★	★		
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	★	★	★	★	★	★	
2.5" Hard-disk drives								
4XB0F28633	ThinkServer 2.5" 500GB 7.2K Enterprise SATA 6Gbps Hard Drive							★
4XB0F28634	ThinkServer 2.5" 1TB 7.2K Enterprise SATA 6Gbps Hard Drive							★
0C19495	ThinkServer 2.5" 500GB 7.2K Enterprise SATA 6Gbps Hot-Swap Hard Drive	★	★	★	★	★	★	
0C19496	ThinkServer 2.5"1TB 7.2K Enterprise SATA 6Gbps Hot-Swap Hard Drive	★	★	★	★	★	★	
67Y2619	ThinkServer 2.5" 300GB 10K SAS 6Gbps Hot-Swap Hard Drive	★	★	★	★	★	★	

Part Number	Option	RD640	RD540	RD440	RD340	TD340	TS440	TS140
67Y2621	ThinkServer 2.5" 600GB 10K SAS 6Gbps Hot-Swap Hard Drive	*	*	*	*	*	*	
0A89409	ThinkServer 2.5" 900GB 10K SAS 6Gbps Hot-Swap Hard Drive	*	*	*	*	*	*	
0C19494	ThinkServer 2.5" 300GB 15K SAS 6Gbps Hot-Swap Hard Drive	*	*	*	*		*	
2.5" Solid-state drives								
0A89420	ThinkServer 2.5" 100GB MLC SATA Solid State Drive	*	*	*	*	*		
0A89418	ThinkServer 2.5" 200GB MLC SATA Solid State Drive	*	*	*	*	*		
0A89419	ThinkServer 2.5" 400GB MLC SATA Solid State Drive	*	*	*	*	*		
0C19571	ThinkServer 2.5" 100GB MLC SATA Solid State Drive to 3.5" Kit	*	*	*	*	*		
0C19572	ThinkServer 2.5" 200GB MLC SATA Solid State Drive to 3.5" Kit	*	*	*	*	*		
0C19573	ThinkServer 2.5" 400GB MLC SATA Solid State Drive to 3.5" Kit	*	*	*	*	*		
4XB0F28619	ThinkServer 2.5" 120GB Value Read-Optimized SATA 6Gbps Solid State Drive							*
4XB0F28620	ThinkServer 2.5" 240GB Value Read-Optimized SATA 6Gbps Solid State Drive							*
4XB0F28621	ThinkServer 2.5" 480GB Value Read-Optimized SATA 6Gbps Solid State Drive							*
0C19514	ThinkServer 3.5" HDD to 5.25" Tray Convertor Kit							*
0C19529	ThinkServer 3.5" HDD to 5.25" Tray Convertor with Slim ODD Kit							*
4XB0F28615	ThinkServer 2.5" 120GB Value Read-Optimized SATA 6Gbps Hot-Swap Solid State Drive	*	*				*	
4XB0F28616	ThinkServer 2.5" 240GB Value Read-Optimized SATA 6Gbps Hot-Swap Solid State Drive	*	*				*	
4XB0F28617	ThinkServer 2.5" 480GB Value Read-Optimized SATA 6Gbps Hot-Swap Solid State Drive	*	*				*	
4XB0F28618	ThinkServer 2.5" 600GB Value Read-Optimized SATA 6Gbps Hot-Swap Solid State Drive	*	*					
4XB0F28627	ThinkServer 2.5" 200GB Performance SAS 12Gbps Hot-Swap Solid State Drive	*	*					
4XB0F28628	ThinkServer 2.5" 400GB Performance SAS 12Gbps Hot-Swap Solid State Drive	*	*					
4XB0F28629	ThinkServer 2.5" 800GB Performance SAS 12Gbps Hot-Swap Solid State Drive	*	*					
4XB0F28622	ThinkServer 2.5" 120GB Value Read-Optimized SATA 6Gbps Hot-Swap Solid State Drive with 3.5" Tray	*	*				*	
4XB0F28623	ThinkServer 2.5" 240GB Value Read-Optimized SATA 6Gbps Hot-Swap Solid State Drive with 3.5" Tray	*	*				*	
4XB0F28624	ThinkServer 2.5" 480GB Value Read-Optimized SATA 6Gbps Hot-Swap Solid State Drive with 3.5" Tray	*	*				*	
4XB0F28625	ThinkServer 2.5" 600GB Value Read-Optimized SATA 6Gbps Hot-Swap Solid State Drive with 3.5" Tray	*	*					
4XB0F28630	ThinkServer 2.5" 200GB Performance SAS 12Gbps Hot-Swap Solid State Drive with 3.5" Tray	*	*					
4XB0F28631	ThinkServer 2.5" 400GB Performance SAS 12Gbps Hot-Swap Solid State Drive with 3.5" Tray	*	*					
4XB0F28632	ThinkServer 2.5" 800GB Performance SAS 12Gbps Hot-Swap Solid State Drive with 3.5" Tray	*	*					

RAID

Keeping data online 24/7 and preventing data loss requires smart solutions. Ensure your critical data is protected and available without sacrificing on performance using ThinkServer RAID solutions. Lenovo offers a variety of ThinkServer software RAID upgrades and hardware RAID controllers from LSI® – the most widely deployed RAID data-protection architecture in the industry.

Our range of ThinkServer RAID controllers addresses virtually all direct-attached storage environments – SATA or SAS hard-disk drives or solid-state drives, server-based storage or external direct-attached JBOD and storage enclosures. Options such as write-back cache with battery backup on the ThinkServer RAID 700 controller take availability to the next level and provide additional peace of mind. CacheCade Pro 2.0/FastPath, an option on the ThinkServer RAID 710 controller, is designed to improve the performance of your existing ThinkServer drive volume(s), by utilizing solid-state drive technology as a secondary tier of cache to maximize random read-and-write performance.

	ThinkServer RAID 300 Upgrade Key	ThinkServer RAID 500 Upgrade Key	ThinkServer RAID 500 Controller	ThinkServer RAID 700 Controller	ThinkServer RAID 710 Controller
Device Support	SATA, SAS, SSD	SATA, SAS, SSD	SATA, SAS, SSD	SATA, SAS, SSD	SATA, SAS, SSD
Data Transfer Rates	Up to 3Gbps	Up to 6Gbps	Up to 6Gbps	Up to 6Gbps	Up to 6Gbps
RAID Levels	5	5/50	0/1/10 JBOD	0/1/10 /5/50/6/60	0/1/10 /5/50/6/60
Online Capacity Expansion	–	–	Yes	Yes	Yes
RAID Level Migration	–	–	Yes	Yes	Yes
Global Hot Spare	–	–	Yes	Yes	Yes
Cache Memory	–	–	–	512MB	1GB
Cache Protection	–	–	–	Battery backup 67Y2647	ThinkServer CacheVault Data Protection Upgrade
ThinkServer RAID FastPath ThinkServer RAID CacheCade Pro 2.0	–	–	–	–	Yes 0C19491 0C19492
Part Number	0A89422	0A89407	0A89464	0A89463	0C19489
Compatibility	TD340 RD440, RD340	TS440 TD340 RD440, RD340 RD640, RD540	TS440 TD340 RD440, RD340 RD640, RD540	TS440 TD340 RD440, RD340 RD640, RD540	TD340 RD440, RD340 RD640, RD540

CONNECT YOUR SERVER

Ethernet adapters, converged network adapters (CNA) and host bus adapters (HBA) help you leverage the full bandwidth potential of your network and scale your I/O to meet your growing infrastructure needs. Lenovo is working with industry-leading technology partners such as Intel, QLogic®, and Emulex® to deliver a wide array of robust, fast and reliable Ethernet, CNA, and HBA adapter choices for ThinkServer. And remember, as with all ThinkServer-branded options, ThinkServer Ethernet CNAs and HBAs are tested and proven on our rack and tower servers.

Ethernet

Choose among dual- and quad-port ThinkServer Ethernet adapters by Intel with speeds of up to 10Gbps. Enjoy the cost savings and convenience of cross-platform compatibility on many ThinkServer series.

	Lenovo ThinkServer 1Gbps Ethernet CT2 Server Adapter by Intel	Lenovo ThinkServer 1Gbps Ethernet I350-T2 Server Adapter by Intel	Lenovo ThinkServer 1Gbps Ethernet I350-T4 Server Adapter by Intel	Lenovo ThinkServer 10Gbps Ethernet X520-SR2 Server Adapter by Intel	Lenovo ThinkServer 10Gbps Ethernet X520-DA2 Server Adapter by Intel	Lenovo ThinkServer 10Gbps Ethernet X540-T2 Server Adapter by Intel	Lenovo ThinkServer 10Gbps Ethernet Fiber Module by Intel
Speed	1Gbps	1Gbps	1Gbps	10Gbps	10Gbps	10Gbps	10Gbps
Ports	Single	Dual	Quad	Dual	Dual	Dual	N/A
Cable Medium	Copper	Copper	Copper	Fibre	Copper	Copper	Fibre
Bracket	LP/FH	LP/FH	LP/FH	LP/FH	LP/FH	LP/FH	N/A
Interface	PCIe v2.0	PCIe v2.0	PCIe v2.0	PCIe v2.0	PCIe v2.0	PCIe v2.1	SFP+
Protocols	iSCSI, NFS	iSCSI, NFS	iSCSI, NFS	iSCSI, FCoE, NFS	iSCSI, FCoE, NFS	iSCSI, FCoE, NFS	N/A
Part Number	4XC0F28725	0C19506	0C19507	0C19487	0C19486	0C19497	0C19488
Compatibility	TS140, TS440	TS140, TS440, TD340, RD340, RD440, RD540, RD640	TS140, TS440, TD340, RD340, RD440, RD540, RD640	TD340, RD340, RD440, RD540, RD640	TD340, RD340, RD440, RD540, RD640	TD340, RD340, RD440, RD540, RD640	TD340, RD340, RD440, RD540, RD640

CNA

The ThinkServer CNA by QLogic supports concurrent TCP/IP, Fibre Channel over Ethernet (FCoE) and iSCSI traffic over a shared 10Gbps Ethernet link. This adapter showcases industry-leading LAN networking performance, full hardware offload for FCoE and iSCSI protocol processing.

	Lenovo ThinkServer QLE8242-CU-CK Dual Port CNA by QLogic
Speed	10Gbps
Ports	Dual
Cable Medium	SFP+ Copper
Bracket	LP
Interface	PCIe v2.0
Protocols	TCP/IP, FCoE, iSCSI
Part Number	0C19483
Compatibility	TD340, RD340, RD440, RD540, RD640

HBAs

Available in single or dual channel, ThinkServer HBAs by QLogic and Emulex offer streamlined installation and management, scalability and virtualization support, making them ideal for enterprise environments. An integrated processor design minimizes onboard components to improve efficiency and maximizes performance. Advanced error-checking features ensure data integrity.

8Gbps Fibre Channel HBAs				
	Lenovo ThinkServer LPe1250 Single-port 8Gb FC HBA by Emulex	Lenovo ThinkServer QLE2560 Single-port 8Gb FC HBA by QLogic	Lenovo ThinkServer LPe12002 Dual-port 8Gb FC HBA by Emulex	Lenovo ThinkServer QLE2562 Dual-port 8Gb FC HBA by QLogic
Speed	8Gbps	8Gbps	8Gbps	8Gbps
Ports	Single	Single	Dual	Dual
Cable Medium	Fibre	Fibre	Fibre	Fibre
Bracket	FH	LP	LP	LP
Interface	PCIe v2.0	PCIe v2.0	PCIe v2.0	PCIe v2.0
Protocols	Fibre Channel	Fibre Channel	Fibre Channel	Fibre Channel
Part Number	0C19476	4XB0F28649	0C19478	0C19482
Compatibility	TD340, RD340, RD440, RD540, RD640	RD540[1], RD640[1]	TD340, RD340, RD440, RD540, RD640	TD340, RD340, RD440, RD540, RD640

16Gbps Fibre Channel HBAs		
	Lenovo ThinkServer QLE2672 Dual-port 16Gb FC HBA by QLogic	Lenovo ThinkServer LPe16002B Dual-port 16Gb FC HBA by Emulex
Speed	16Gbps	16Gbps
Ports	Dual	Dual
Cable Medium	Fibre	Fibre
Bracket	LP	LP
Interface	PCIe v2.0	PCIe v2.0
Protocols	Fibre Channel	Fibre Channel
Part Number	4XB0F28651	4XB0F28650
Compatibility	RD540, RD640	RD540, RD640

SAS HBAs		
	Lenovo ThinkServer LSI9280-8e 6Gb SAS RAID HBA by LSI	Lenovo ThinkServer LSI9286CV-8e 6Gb SAS RAID HBA by LSI
Speed	6Gbps	6Gbps
Ports	8	8
Connectors	2 External	2 External
Bracket	LP	LP
Interface	PCIe v2.0	PCIe v2.0
Part Number	4XB0F28645	4XB0F28646
Compatibility	TS440, RD340, RD440, RD540, RD640	TS440, RD340, RD440, RD540, RD640

MANAGE WITH EASE

ThinkServer Management Module Premium

The ThinkServer Management Module Premium (TMMp) adds to the functionality of the ThinkServer Management Module (TMM) – which is standard on ThinkServer rack systems and the TD340 tower – giving you remote keyboard, video, mouse (KVM) access and remote media access to your server. This means you can easily manage your servers from another location.

Part Number	Option	TD340	RD340	RD440	RD540	RD640
67Y2624	ThinkServer Management Module Premium	*	*	*	*	*

UPGRADE YOUR POWER

Power Supplies

Adding a second power supply with hot-swap capability is the smartest and most cost-effective investment you can make to keep your server up and running.

Part Number	Option	TS440	TD340	RD340	RD440	RD540	RD640
67Y2625	ThinkServer 450W Hot-Swap Redundant Power Supply	*					
4X20E54689	ThinkServer 550W Gold Hot-Swap Redundant Power Supply			*			
4X20E54691	ThinkServer 800W Gold Hot-Swap Redundant Power Supply		*				
4X20E54690	ThinkServer 800W Gold Hot-Swap Redundant Power Supply				*	*	*

PROTECT, MANAGE AND SHARE YOUR CRITICAL DATA

The Lenovo family of network and direct-attached storage devices offer simple, powerful and affordable solutions to protect, manage and share your critical information. They include large storage capacities and the enterprise-class features that organizations need, such as support for hot-swap drives, RAID, UPS, Active Directory, iSCSI, virtualization, snapshots and cloud storage options.

Network Attached Storage

Tower Devices

The LenovoEMC px2-300d, px4-400d and px6-300d network-attached devices pack ultra-fast storage and protection into a small, quiet chassis for office data protection and backup, with local and remote file sharing. Powered by enterprise-class LenovoEMC storage technology – and offering up to 24TB of capacity – the px tower devices are ideal for small- to medium-sized businesses and remote office/branch offices. Business users will appreciate the advanced data-protection features, such as multiple RAID levels with hot-swap drives, UPS support, user quotas, device-to-device data replication and certification for most virtualization environments. High-performance video surveillance/storage management solutions are also available with these tower devices to help protect small offices.

Part Number	Name
px2-300d	
70BA9004EA	LenovoEMC™ px2-300d Network Storage, 0TB Diskless EMEA
70BA9000EA	LenovoEMC™ px2-300d Network Storage Server Class, 2TB (2HD X 1TB) EMEA
70BA9001EA	LenovoEMC™ px2-300d Network Storage Server Class, 4TB (2HD X 2TB) EMEA
70BA9002EA	LenovoEMC™ px2-300d Network Storage Server Class, 6TB (2HD X 3TB) EMEA
70A39005EA	LenovoEMC™ px2-300d Network Storage Pro Series, 2TB (2HD X 1TB) EMEA
70A39006EA	LenovoEMC™ px2-300d Network Storage Pro Series, 4TB (2HD X 2TB) EMEA
70A39007EA	LenovoEMC™ px2-300d Network Storage Pro Series, 6TB (2HD X 3TB) EMEA
70BA9010EA	LenovoEMC™ px2-300d Acronis Backup Appliance, 0TB Diskless EMEA
70BA9009EA	LenovoEMC™ px2-300d Server Class NVR with Milestone® Arcus™ 4TB (2HD x 2TB), 4 Camera Licenses EMEA
px4-400d	
70CM9000EA	LenovoEMC™ px4-400d Network Storage, 0TB Diskless EMEA
70CM9005EA	LenovoEMC™ px4-400d Acronis Appliance, 0TB Diskless EMEA
70CM9004EA	LenovoEMC™ px4-400d Network Storage Server Class, 4TB (4HD X 1TB) EMEA
70CM9001EA	LenovoEMC™ px4-400d Network Storage Server Class, 8TB (4HD X 2TB) EMEA
70CM9002EA	LenovoEMC™ px4-400d Network Storage Server Class, 12TB (4HD X 3TB) EMEA
70CM9003EA	LenovoEMC™ px4-400d Network Storage Server Class, 16TB (4HD X 4TB) EMEA
70CJ9000EA	LenovoEMC™ px4-400d Network Storage Pro Series, 4TB (4HD X 1TB) EMEA
70CJ9001EA	LenovoEMC™ px4-400d Network Storage Pro Series, 8TB (4HD X 2TB) EMEA
70CJ9002EA	LenovoEMC™ px4-400d Network Storage Pro Series, 12TB (4HD X 3TB) EMEA
70CJ9003EA	LenovoEMC™ px4-400d Network Storage Pro Series, 16TB (4HD X 4TB) EMEA

px6-300d	
70BG9000EA	LenovoEMC™ px6-300d Network Storage, 0TB Diskless EMEA
70BG9009EA	LenovoEMC™ px6-300d Network Storage Server Class, 6TB (6HD X 1TB) EMEA
70BG9011EA	LenovoEMC™ px6-300d Network Storage Server Class, 12TB (6HD X 2TB) EMEA
70BG9007EA	LenovoEMC™ px6-300d Network Storage Server Class, 18TB (6HD X 3TB) EMEA
70BG9012EA	LenovoEMC™ px6-300d Network Storage Server Class, 24TB (6HD X 4TB) EMEA
70B99010EA	LenovoEMC™ px6-300d Network Storage Pro Series, 6TB (6HD X 1TB) EMEA
70B99005EA	LenovoEMC™ px6-300d Network Storage Pro Series, 12TB (6HD X 2TB) EMEA
70B99006EA	LenovoEMC™ px6-300d Network Storage Pro Series, 18TB (6HD X 3TB) EMEA
70BG9013EA	LenovoEMC™ px6-300d Acronis Backup Appliance, 0TB Diskless EMEA

Rackmount Devices

The powerful LenovoEMC px4-300r, px4-400r, px12-400r and px12-450r network storage arrays offer the highest levels of performance and advanced data protection for small- to medium-sized businesses and distributed enterprises. These rackmount arrays are available in configurations up to 48TB in a single array and are ideal for production data stores, server virtualization, backup-to-disk target and video surveillance. Features include device-to-device data replication, snapshots, SSD cache pools RAID support, Windows® Active Directory support, Active Directory High Availability, Hybrid Authentication, remote access and management and user quotas.

Part Number	Name
px4-400r	
70CK9000WW	LenovoEMC™ px4-400r Network Storage Array, 0TB Diskless WW
70CK9005WW	LenovoEMC™ px4-400r Acronis Appliance, 0TB Diskless WW
70CK9004WW	LenovoEMC™ px4-400r Network Storage Array Server Class, 4TB (4HD X 1TB) WW
70CK9001WW	LenovoEMC™ px4-400r Network Storage Array Server Class, 8TB (4HD X 2TB) WW
70CK9002WW	LenovoEMC™ px4-400r Network Storage Array Server Class, 12TB (4HD X 3TB) WW
70CK9003WW	LenovoEMC™ px4-400r Network Storage Array Server Class, 16TB (4HD X 4TB) WW
70CL9000WW	LenovoEMC™ px4-400r Network Storage Array Pro Series, 4TB (4HD X 1TB) WW
70CL9001WW	LenovoEMC™ px4-400r Network Storage Array Pro Series, 8TB (4HD X 2TB) WW
70CL9002WW	LenovoEMC™ px4-400r Network Storage Array Pro Series, 12TB (4HD X 3TB) WW
70CL9003WW	LenovoEMC™ px4-400r Network Storage Array Pro Series, 16TB (4HD X 4TB) WW
px4-300r	
70BJ9003WW	LenovoEMC™ px4-300r Network Storage Array, 0TB Diskless
70BJ9006WW	LenovoEMC™ px4-300r Network Storage Array Server Class, 4TB (4HD X 1TB)
70BJ9007WW	LenovoEMC™ px4-300r Network Storage Array Server Class, 8TB (4HD X 2TB)
70BJ9004WW	LenovoEMC™ px4-300r Network Storage Array Server Class, 12TB (4HD X 3TB)
70BJ9005WW	LenovoEMC™ px4-300r Network Storage Array Server Class, 16TB (4HD X 4TB)
70BB9000WW	LenovoEMC™ px4-300r Network Storage Array Pro Series, 4TB (4HD X 1TB)
70BB9001WW	LenovoEMC™ px4-300r Network Storage Array Pro Series, 8TB (4HD X 2TB)
70BB9002WW	LenovoEMC™ px4-300r Network Storage Array Pro Series, 12TB (4HD X 3TB)
70BJ9012EA	LenovoEMC™ px4-300r Acronis Backup Appliance, 0TB Diskless EMEA

px12-450r	
70BR9004WW	LenovoEMC™ px12-450r Network Storage Array Server Class, 0TB Diskless
70BR9001WW	LenovoEMC™ px12-450r Network Storage Array Server Class, 8TB (4HD X 2TB)
70BR9002WW	LenovoEMC™ px12-450r Network Storage Array Server Class, 12TB (4HD X 3TB)
70BR9003WW	LenovoEMC™ px12-450r Network Storage Array Server Class, 16TB (4HD X 4TB)
70BR9005WW	LenovoEMC™ px12-450r Network Storage Array Server Class, 24TB (12HD X 2TB)
70BR9006WW	LenovoEMC™ px12-450r Network Storage Array Server Class, 36TB (12HD X 3TB)
70BR9007WW	LenovoEMC™ px12-450r Network Storage Array Server Class, 48TB (12HD X 4TB)
70BR9008EA	LenovoEMC™ px12-450r Acronis Backup Appliance, 0TB Diskless EMEA
px12-400r	
70BN9004WW	LenovoEMC™ px12-400r Network Storage Array Server Class, 0TB Diskless
70BN9005WW	LenovoEMC™ px12-400r Network Storage Array Server Class, 4TB (4HD X 1TB)
70BN9000WW	LenovoEMC™ px12-400r Network Storage Array Server Class, 8TB (4HD X 2TB)
70BN9001WW	LenovoEMC™ px12-400r Network Storage Array Server Class, 12TB (4HD X 3TB)
70BN9003WW	LenovoEMC™ px12-400r Network Storage Array Server Class, 16TB (4HD X 4TB)
70BN9006WW	LenovoEMC™ px12-400r Network Storage Array Server Class, 24TB (12HD X 2TB)
70BN9007WW	LenovoEMC™ px12-400r Network Storage Array Server Class, 36TB (12HD X 3TB)
70BN9008WW	LenovoEMC™ px12-400r Network Storage Array Server Class, 48TB (12HD X 4TB)
70BN9009EA	LenovoEMC™ px12-400r Acronis Backup Appliance, 0TB Diskless EMEA

Direct-Attached Storage

Combining expansive direct-storage capacity and innovative modularity, the ThinkServer SA120* provides an innovative tiered storage solution for data center deployments, distributed enterprises or small businesses. Its dual I/O controllers couple the high-speed, low-latency performance of solid-state drives with cost-effective, large-capacity SAS – for a budget-friendly storage solution with outstanding performance. The SA120 provides plenty of room for growth. You have the capability to add up to 12 x 3.5" SAS hard-disk drives on the front panel, up to 4 x 2.5" SATA solid-state drives on the rear panel and can cascade up to eight SA120 enclosures with HBA support. With a standard 3-year warranty and tool-less features, the SA120 provides peace of mind at an impressive value.

Part Number	Name
Hard-disk 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
4XB0F28635	ThinkServer 3.5" 4TB 7.2K SAS 6Gbps hot-swap Hard Drive
Solid-state Drives	
4XB0F28615	ThinkServer 2.5" 120GB Value Read-Optimized SATA 6Gbps hot-swap Solid State Drive by Intel
4XB0F28616	ThinkServer 2.5" 240GB Value Read-Optimized SATA 6Gbps hot-swap Solid State Drive by Intel
4XB0F28640	ThinkServer 2.5" 300GB Value Read-Optimized SATA 6Gbps hot-swap Solid State Drive by Intel
4XB0F28617	ThinkServer 2.5" 480GB Value Read-Optimized SATA 6Gbps hot-swap Solid State Drive by Intel
4XB0F28641	ThinkServer 2.5" 800GB Value Read-Optimized SATA 6Gbps hot-swap Solid State Drive by Intel
4XB0F28636	ThinkServer 2.5" 100GB Mainstream Multipurpose SATA 6Gbps hot-swap Solid State Drive by Intel
4XB0F28637	ThinkServer 2.5" 200GB Mainstream Multipurpose SATA 6Gbps hot-swap Solid State Drive by Intel
4XB0F28638	ThinkServer 2.5" 400GB Mainstream Multipurpose SATA 6Gbps hot-swap Solid State Drive by Intel
4XB0F28639	ThinkServer 2.5" 800GB Mainstream Multipurpose SATA 6Gbps hot-swap Solid State Drive by Intel
Cage	
4XF0F28766	ThinkServer 2.5" SATA SSD Cage with SATA Interposer
Cables	
4X90F31494	ThinkServer 0.5 meters 26 Pin (SFF-8088 to SFF-8088) External miniSAS cable
4X90F31495	ThinkServer 1 meter 26 Pin (SFF-8088 to SFF-8088) External miniSAS cable
4X90F31496	ThinkServer 2 meters 26 Pin (SFF-8088 to SFF-8088) External miniSAS cable
4X90F31497	ThinkServer 4 meters 26 Pin (SFF-8088 to SFF-8088) External miniSAS cable
4X90F31498	ThinkServer 6 meters 26 Pin (SFF-8088 to SFF-8088) External miniSAS cable
I/O Controller	
4XF0F28765	ThinkServer Storage Array 6Gbps I/O Module
Power Supply	
4X20E54689	ThinkServer 550W Gold Hot-Swap Redundant Power Supply

* Not available in all countries

For a complete list of options and accessories, visit www.lenovoquickpick.com
To learn more about Lenovo ThinkServer, visit www.lenovo.com/thinkserver

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