

## THE LENOVO® THINKSERVER® TS140

POWERFUL, RELIABLE AND UNMATCHED VALUE



### SUBSTANTIAL PERFORMANCE GAINS vs TS130

Power your growing business with the latest Xeon® E3-1200 v3 processors



### GREATER NETWORKING AND STORAGE CAPACITY

TS140 expands as your business grows, with up to 8 Ethernet Ports and up to 16TB SATA storage



### SIGNIFICANTLY QUIETER THAN TS130

Significantly quieter, now only 26 dB — that's quieter than a typical library



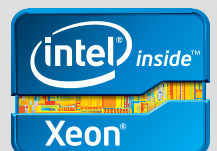
### IMPROVED MANAGEABILITY FEATURES

TS140 is perfect for managed service providers, with the latest Intel® AMT™ 9.0 and remote KVM

The ThinkServer® TS140 replaces the popular ThinkServer® TS130 with extensive enhancements and new features. It combines latest Intel® Xeon® E3-1200 v3 performance, legendary Think quality and easy-to-use software tools to deliver a enterprise-grade, highly affordable server solution for managed service providers (MSPs), branch offices and small businesses.

Combining true server reliability and great expansion capacity, the TS140 offers an attractive solution to small businesses, education or state/local government deployments. Plus, its Intel® AMT™ remote manageability tools and broad MSP ecosystem support allow MSPs to remotely and cost effectively manage end-user networks.

A comprehensive options, services and NAS storage portfolio make it easy to customize the perfect TS140 for your needs. TS140 offers true server reliability in an ENERGY STAR-certified, whisper-quiet tower – perfect for retail, back office or distributed deployments.



**THINKSERVER® TS140**

## THE LENOVO® THINKSERVER® TS140

### POWERFUL, STABLE, AND SECURE

The ThinkServer TS140 is a powerful, feature-rich yet affordable server, perfect for retail, branch office or front office use.

- **Lower operating costs** thanks to energy efficient performance and latest generation Intel® Xeon® E3-1200 v3 processors. TS140 provides easy remote manageability, with onboard tools to remotely power on/off your servers.
- **Highly affordable**, yet enterprise-tough. TS140 pays you back with reliable, feature-rich server computing at a desktop price.
- **Maximize uptime** with true server-class features like ECC memory, enterprise-class hard drives, and built-in RAID.
- **Increase productivity** via improved Xeon® performance with Turbo Boost 2.0 and powerful HD graphics performance.

### POWERFUL INTEL® AMT® MANAGEABILITY

The ThinkServer TS140 provides a rich experience with ease of installation and management.

- **Remote management with Intel® AMT™** (select models) provides out-of-band remote access and management, independent of the status of the managed server.
- **Broad MSP ecosystem support** on leading platforms like N-Able, Kaseya and Level Platforms.
- **Easy-to-use** with an intuitive, secure web console for "point-and-click" management. No installation required – works right out of the box.

## SPECIFICATIONS

CHIPSET	PROCESSOR	MEMORY
Intel® C226 Series TPM 1.2 encryption	Intel® Xeon® E3-1200 v3 series with integrated graphics, Core™ i3 Series, Pentium CPU's	4 x 1600 MHz ECC UDIMM (32GB max)
STORAGE	STORAGE CONTROLLER	MANAGEMENT
4 x 3.5" SATA 7.2K 6GB Enterprise SATA Drives (500GB/1TB/2TB/3TB/4TB) 16TB maximum capacity	Onboard 6GB SATA RAID 0/1/10/5 with Intel® RSTe	Intel® Advanced Management Technology 9.0 with remote KVM (Xeon® models) Intel® Standard Manageability tools (Pentium® and Core™ i3 models)
ETHERNET	PCIe EXPANSION	I/O EXPANSION
Integrated Gigabit Ethernet port (shared with AMT™) Supports up to 2 optional Intel® Dual Port 1GbE NIC (I350-T2) Supports up to 2 optional Intel® Quad Port 1GbE NIC (I350-T4)	Slot 1: x16 Gen3 PCIe Slot 2: x1 Gen2 PCIe Slot 3: x16 Gen2 PCIe (x4 signal) Slot 4: PCI	Optional Parallel port via PCI card Optional Modem via PCI card Optional USB 3.0 port PCI card Standard USB 2.0 ports – 6 rear, 2 front, 1 internal Other standard ports: Serial, Video, Display Port, and Audio
POWER	DIMENSION	SOFTWARE
1 x fixed power supply 280W fixed PSU 85% 80 PLUS Bronze 450W fixed PSU 92% 80 PLUS Platinum	<b>FORM FACTOR</b> 4U / 25 L Tower can be rack mounted via shelf (sold separately)  <b>DIMENSIONS (W x D x H)</b> 174.8 mm x 425.2 mm x 430.8 mm (6.9" x 16.7" x 17")  <b>WEIGHT</b> Max. 11.2 kg (24.7 lbs)	Windows Server 2012 (Essentials Standard, Foundation) Windows Server 2008 R2 (Enterprise, Foundation, Standard Edition) Windows Small Business Server 2011 (Essentials, Standard, Premium Add-On)

## IDEAL DEPLOYMENTS

### CLEVER MANAGEABILITY FOR MANAGED SERVICE PROVIDERS (MSPs)

The ThinkServer® TS140 combines high performance Xeon® technology and legendary Think quality in a highly manageable single-socket server solution. Certified with popular MSP Managed Service Console ecosystem vendors like Level Platforms, Kaseya, and N-able, you can bet your business on ThinkServer TS140. With true server-class durability, RAID 0/1 support and out-of-band management, the feature-rich TS140 offers an attractive solution to MSPs. Plus, the newest AMT™ 9.0 manageability tool suite offers improved KVM features and host provisioning tools. These allow MSPs to remotely and cost-effectively manage end-user environments. TS140 servers are easy for MSPs to set up and manage and are built to perform 24x7 – they're the perfect choice for small office deployments.

### A TERRIFIC FIRST SERVER SOLUTION

The TS140 delivers true server-class reliability with latest Xeon® performance, enterprise-class hard drives, RAID 0/1/10/5 support and ECC memory. For businesses moving up from a desktop to a first server, the TS140 provides a highly affordable yet enterprise-tough server with energy efficient features to lower your operating costs. Designed for 24x7 performance and robust data integrity, TS140 lets you concentrate on growing your business – not managing IT. Its renowned Think quality provides peace of mind.

### PERFECT FOR DISTRIBUTED ENVIRONMENTS

TS140 features legendary Think quality with powerful remote manageability tools with AMT™ 9.0 for easy, efficient server maintenance. TS140 is perfect for branch offices or remote deployments with little or no IT staff. The TS140 can be easily monitored and managed from the headquarters offices.

### RETAIL-READY

Your retail transactions are paramount to your business – every transaction matters. Uptime isn't negotiable and transaction processing must be rapid, reliable and predictable. And, you need all these features in a solution that won't break your budget. Consider the ThinkServer TS140 – it's ideal for demanding retail and point-of-sale deployments. The TS140 offers an impressive suite of retail-centric I/O choices like modem ports, high speed USB 3.0 and parallel ports. And, for exceptional ethernet expansion, consider the dual port ethernet adapter. Built on reliable Intel® technology, it meets your bandwidth needs to handle traffic. Designed with Think-tough attributes, the TS140 offers the durability and reliability you demand in retail deployments, at prices friendly on your budget. Yet, TS140 is more than simply rich I/O in a compact tower server. It delivers dynamite performance with the latest generation Intel® Xeon® E3-1200 v3 processors, and offers great SATA capacity. Combining all these choices in a platform starting at \$421, and TS140 represents a compelling choice for retail deployments.

## ACCESSORIES FOR THINKSERVER® TS140

MEMORY AND HARD DRIVES		ETHERNET AND I/O EXPANSION	
0C19498	ThinkServer 2GB DDR3L-1600 MHz (1Rx8) ECC UDIMM	0C19506	ThinkServer 1Gbps Ethernet I350-T2 Server Adapter by Intel®
0C19499	ThinkServer 4GB DDR3L-1600 MHz (1Rx8) ECC UDIMM	0C19507	ThinkServer 1Gbps Ethernet I350-T4 Server Adapter by Intel®
0C19500	ThinkServer 8GB DDR3L-1600 MHz (2Rx8) ECC UDIMM	0C19512	ThinkServer 1GB Quadro 600 Graphic Adapter by NVIDIA®
0C19501	ThinkServer 3.5" 500GB 7.2K Enterprise SATA 6Gbps Hard Drive	0C19513	ThinkServer 512MB NVS 300 PCIe x16 Graphic Adapter by NVIDIA®
0C19502	ThinkServer 3.5" 1TB 7.2K Enterprise SATA 6Gbps Hard Drive	0C19508	ThinkServer Single Parallel Port PCI Adapter
0C19503	ThinkServer 3.5" 2TB 7.2K Enterprise SATA 6Gbps Hard Drive	0C19509	ThinkServer Single Serial Port PCI Adapter
0C19504	ThinkServer 3.5" 3TB 7.2K Enterprise SATA 6Gbps Hard Drive	0C19510	ThinkServer Dual Serial Port PCI Adapter
0C19505	ThinkServer 3.5" 4TB 7.2K Enterprise SATA 6Gbps Hard Drive	0C19511	ThinkServer Dual Serial Port PCIe Adapter
0C19514	ThinkServer 3.5" HDD to 5.25" Tray Convertor Kit	<b>RACK MANAGEMENT</b>	
0C19529	ThinkServer 3.5" HDD to 5.25" Tray Convertor with Slim ODD Kit	0C19515	ThinkServer Tower to Rack Shelf Conversion Kit

## LENOVO NAS STORAGE CHOICES

### LenovoEMC™ IX4-300d

The LenovoEMC™ ix4-300d Network Storage stores, protects and shares all of your important files, locally and remotely with cloud convenience – perfect for small offices, workgroups or advanced home networks. Based on enterprise-class LenovoEMC™ storage technology, the ix4-300d provides easy file sharing, iSCSI block access, and multiple RAID configurations for optimized data protection.

### LenovoEMC™ PX2-300d

#### Your critical data stored, shared and protected in a compact form factor

Powered by enterprise-class LenovoEMC™ technology, the Lenovo® EMC® px2-300d is a compact, ultra-fast, server-class storage solution built for advanced data protection and cloud convenient content sharing. With many business features, like iSCSI block access, configurable RAID, deduplication, Mindtree® video surveillance solution and embedded cloud capabilities like Personal Cloud technology and Atmos® Cloud Connector, the LenovoEMC™ px2 is ideal for small-to-medium-sized businesses and distributed enterprise locations like branch and remote offices who need to store, share and protect their critical data. With up to 6TB of storage, the px2 offers a diskless configuration, so your storage can grow as your business grows.

### LenovoEMC™ PX4-300d

#### Business-class desktop network storage, for SMBs and remote or branch offices

Powered by enterprise-class LenovoEMC™ technology, The LenovoEMC™ px4-300d Network Storage packs high performance storage and protection into a small, quiet chassis for office data protection and backup, with cloud convenient local and remote file sharing. With many business features, like iSCSI block access, configurable RAID, snapshots, deduplication and embedded cloud capabilities like LenovoEMC™ Personal Cloud technology and Atmos® Cloud Connector, the LenovoEMC™ px4 is ideal for small-to-medium-sized businesses and distributed enterprise locations like branch and remote offices who need to store, share and protect their critical data. With up to 12TB of storage, the px4 offers a diskless configuration, so your storage can grow as your business grows.

IX4-300d	PX2-300d	PX4-300d
<b>4-bay</b> <b>Diskless to 12TB</b> <ul style="list-style-type: none"> <li>• Marvell Armada XP Dual Core</li> <li>• Dual GbE NIC</li> <li>• Proxy support</li> <li>• More Video Surveillance options</li> <li>• Cloud data replication</li> <li>• Cloud Web Login</li> </ul>	<b>4-bay</b> <b>Diskless to 8TB</b> <ul style="list-style-type: none"> <li>• Intel® D525 Atom Dual Core</li> <li>• 2 GbE NICs</li> <li>• PCI slot</li> <li>• Hot swap</li> <li>• VGA port out</li> </ul>	<b>4-bay</b> <b>Diskless to 16TB</b> <ul style="list-style-type: none"> <li>• Intel® D525 Atom Dual Core</li> <li>• 2 GbE NICs</li> <li>• PCI slot</li> <li>• Hot swap</li> </ul>

## MICROSOFT® WINDOWS® SERVER® 2012 CHOICES

Reseller Options Kits (ROKs)	Part No.
Microsoft® Windows® 2012 Foundations ROK – MUI – English/French/German/Italian/Spanish	82972FM
Microsoft® Windows® 2012 Essentials ROK – MUI – English/French/German/Italian/Spanish	82972EM
Microsoft® Windows® 2012 Standard ROK – MUI – English/French/German/Italian/Spanish	82972SM
Client Access Licenses (CALs)	Part No.
Microsoft® Windows® Server® 2012 Client Access License (1 Device)	0C19601
Microsoft® Windows® Server® 2012 Client Access License (1 User)	0C19602
Microsoft® Windows® Server® 2012 Client Access License (5 Device)	0C19603
Microsoft® Windows® Server® 2012 Client Access License (5 User)	0C19604
Microsoft® Windows® Server® 2012 Client Access License (10 Device)	0C19605
Microsoft® Windows® Server® 2012 Client Access License (10 User)	0C19606
Microsoft® Windows® Server® 2012 Client Access License (50 Device)	0C19607
Microsoft® Windows® Server® 2012 Client Access License (50 User)	0C19608
Windows® Server® 2012 Remote Desktop Services Client Access License (5 Device)	0C19609
Windows® Server® 2012 Remote Desktop Services Client Access License (5 User)	0C19610
Windows® Server® 2012 Remote Desktop Services Client Access License (1 Device)	0C19611
Windows® Server® 2012 Remote Desktop Services Client Access License (1 User)	0C19612

## MICROSOFT® WINDOWS® SERVER® 2008 CHOICES

	Part No.
Microsoft® Windows® 2008 R2 SP1 Enterprise ROK 64bit – MUI – English/French/German/Italian/Spanish – 25 CALs	84978PF
Microsoft® Windows® 2008 R2 SP1 Enterprise ROK 64bit – MUI – English/Japanese – 25 CALs	84978PJ
Microsoft® Windows® 2008 R2 SP1 Standard ROK 64bit – MUI – English/French/German/Italian/Spanish – 5 CALs	849780F
Microsoft® Windows® Server® 2008 R2 SP1 Standard MUI – English/Japanese – w 5 CALs	849780J
Microsoft® Windows® 2008 R2 SP1 Foundations ROK 64bit – MUI – English/French/German/Italian/Spanish – 15 CALs	84978HF
Microsoft® Windows® 2008 R2 SP1 Foundations ROK 64bit – MUI – English/Japanese – 15 CALs	84978HD
Windows® Server® 2008 CAL 1 user CAL US/CA/LA Bundle	849781A
Windows® Server® 2008 CAL 1 user CAL AP/China Bundle	849781M
Windows® Server® 2008 CAL 1 user CAL EMEA Bundle	849781G
Windows® Server® 2008 CAL 5 user CAL US/CA/LA Bundle	849785A
Windows® Server® 2008 CAL 5 user CAL AP/China Bundle	849785M

## MICROSOFT® SMALL BUSINESS SERVER

	Part No.
Windows® SBS 2011 Essentials ROK (64bit) – English; 25 CALs	84971EE
Windows® SBS 2011 Essentials ROK (64bit) – French; 25 CALs	84971EF
Windows® SBS 2011 Essentials ROK (64bit) – German; 25 CALs	84971EG
Windows® SBS 2011 Essentials ROK (64bit) – Japanese; 25 CALs	84971EJ
Windows® SBS 2011 Standard ROK (64bit) – English; 5 CALs	84971SE
Windows® SBS 2011 Standard ROK (64bit) – French; 5 CALs	84971SF
Windows® SBS 2011 Standard ROK (64bit) – German; 5 CALs	84971SG
Windows® SBS 2011 Standard ROK (64bit) – Japanese; 5 CALs	84971SJ
Windows® SBS 2011 Premium Add On ROK – English; 5 CALs	84971PE
Windows® SBS 2011 Premium Add On ROK – French; 5 CALs	84971PF
Windows® SBS 2011 Premium Add On ROK – German; 5 CALs	84971PG
Windows® SBS 2011 Premium Add On ROK – Japanese; 5 CALs	84971PJ
Windows® SBS 2011 Standard CAL, 5 User CAL – AG Bundle	849711G
Windows® SBS 2011 Standard CAL, 5 User CAL – AP & China Bundle	849711H
Windows® SBS 2011 Standard CAL, 5 User CAL – EMEA Bundle	849711J
Windows® SBS 2011 Premium Add-On CAL, 5 user CAL AG Bundle	849711K
Windows® SBS 2011 Premium Add-On CAL, 5 user CAL AP & China Bundle	849711L
Windows® SBS 2011 Premium Add-On CAL, 5 user CAL EMEA Bundle	849711M

## SERVICES OFFERINGS

Lenovo® Services lets you get the most out of your ThinkServer® – no matter how you use it. Whether you have a thousand client seats or just one, Lenovo delivers the quality, reliability and peace of mind to keep you up and running, no matter where you are, no matter when you need it.

**Upgrade to 3 Year Onsite : 45K4495**

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