

Lenovo ThinkServer TS130 servidor 1 TB Torre Familia de procesadores Intel® Xeon® E3 V2 E3-1225V2 3,2 GHz 4 GB DDR3-SDRAM 280 W Windows Server 2008

Marca : Lenovo Familia de productos: Código del producto: ThinkServer 110570U

Nombre del producto: TS130

Lenovo ThinkServer TS130. Familia de procesador: Familia de procesadores Intel® Xeon® E3 V2, Frecuencia del procesador: 3,2 GHz, Modelo del procesador: E3-1225V2. Memoria interna: 4 GB, Tipo de memoria interna: DDR3-SDRAM, Disposición de la memoria: 1 x 4 GB. Capacidad total de almacenaje: 1 TB, Tamaño del HDD: 3.5", Interfaz del HDD: SATA. Ethernet, Tecnología de cableado: 10/100/1000Base-T(X). Tipo de unidad óptica: DVD-ROM. Fuente de alimentación: 280 W. Sistema operativo instalado: Windows Server 2008. Tipo de chasis: Torre





Processor		Ports & interfaces	
Processor family * Int Processor model * E3- Processor frequency * 3.2	ntel ntel® Xeon® E3 V2 Family E3-1225V2 3.2 GHz 3.6 GHz	Ethernet LAN (RJ-45) ports * USB 2.0 ports quantity VGA (D-Sub) ports quantity Serial ports quantity DisplayPorts quantity	1 8 1 1
Processor cores Processor cache Motherboard chipset Memory channels supported by processor	4 8 MB Intel® C206	Expansion slots PCI Express x1 slots PCI Express x16 slots PCI slots	1 1 2
Number of processors installed Thermal Design Power (TDP)	1 77 W	PCI Express slots version Design	3.0
Processor cache type System bus rate	Smart Cache 5 GT/s	Chassis type * Software	Tower
Processor socket Processor lithography Processor threads	LGA 1155 (Socket H2) 22 nm 4	Operating system installed * Processor special features	Windows Server 2008
Processor operating modes Stepping FSB Parity	64-bit E1 ×	CPU configuration (max) Intel Rapid Storage Technology Enhanced Intel SpeedStep	1 ×
Bus type Processor codename Maximum internal memory supported by processor	DMI Ivy Bridge 32 GB	Technology Intel® Identity Protection Technology (Intel® IPT) Intel® Wireless Display (Intel®	1
Memory types supported by processor Memory clock speeds supported by	DDR3-SDRAM	WiDi) Intel Virtualization Technology for Directed I/O (VT-d)	× •
processor Memory bandwidth supported by processor (max) ECC supported by processor	1333,1600 MHz 25.6 GB/s	Intel® Anti-Theft Technology (Intel® AT) Intel® Hyper Threading Technology (Intel® HT Technology)	x x

Processor Processor special Features Icle States ✓ Icle States ✓ Thermal Monitoring Technologies ✓ CI Express configurations 1216+134, 1x8+3x4, 2x8+1x4 SUpported instruction satis AVX Embedded options available AVX CUP Untuffulpic (Wockfoor ratio) 32 Intel® Rational Processor 1x16 Xen E-3-1200 v2 Intel® Rational Processor Intel® Standard Cache Conflict-Free processor 4 GB Internal memory of the memory type DDR3 SDRAM Internal memory type DDR3 SDRAM Intel Fish Memory type DDR3 SDRAM Intel Fish Memory type DDR3 SDRAM Intel Fish Memory type DDR3 SDRAM Memory slots 4 X DIMM Memory slots 4 X DIMM Memory slots 1x 4 GB Memory slots seed 1333 MHz Memory slots size 1x 4 GB Maximum storage capacity * 1 TB Memory slots size 1x 4 GB Intel Size Video Technology to the size of the size of the size of the s				
Intel States	Processor		Processor special features	
Intel® Turbo Boost Technology 2.0 Intel® Turbo Boost Technology 2.0 Intel® Quick Syrc Video Technology 7 Intel® Quick Syrc Video Technology 7 Intel® Clear Video HD Technology 7 Intel® AES New Instructions (Intel® AES New Intel® AES New Instructions (Intel® AES New Instructions (Intel® AES New Intel® AES New Instructions (Intel® AES New Intel® AES Ne			, , , , , , , , , , , , , , , , , , , ,	×
PCI Express configurations		/	•	2.0
Supported instruction sets AVX Intel® Care Video HD Technology (Intel® CCT HD) ✓ Embedded options available (EM) untel® (Care Video HD Technology (PM) (Intel® CCT HD) Intel® Insider® (SCT HD) ✓ Processor series Intel Xeon E3-1200 v2 Intel® Insider® (YT HD) ✓ Conflict-Free processor X Intel® Smart Cache ✓ Memory Intel® AES New Instructions (Intel® Memory Vigor) AG B AES NI) ✓ Internal memory yape (PM) (Intel® Company type) Unregistered (unbuffered) Intel Inhanced Halt State (PM) ✓ Buffered memory yapout (slots x size) 4x DIMM Intel® Inhanced Halt State (PM) ✓ Buffered memory yapout (slots x size) 1x 4 GB Intel® Clear Video Technology (PM) ✓ Memory (slots x size) 1x 4 GB Intel® Clear Video Technology (PM) ✓ Memory (slots x size) 1x 4 GB Intel® Clear Video Technology (PM) ✓ Memory I syout (slots x size) 1x 4 GB Intel® Clear Video Technology (PM) ✓ Memory I syout (slots x size) 1x 6 GB Intel® Intel® Technology (PM) ✓ Maximum storage capacity ® 1 1x 6<			Intel® Quick Sync Video Technology	✓
Embedded options available 4 Intel® Clear Video HD Technology (Intel® CVT HD) (Intel® Processor series) 2 Intel® Insider** X Conflict-Free processor X Intel® Insider** X ACS AND			Intel® InTru™ 3D Technology	✓
Processor series Intel Name Sail 1200 v2 Intel Flex Memory Access ✓ Conflict-Free processor X Intel® Smart Cache ✓ Memory 4 GB AES-NNy ✓ Internal memory type DBRAS-DRAM Intel® AES New Instructions (Intel® Processor Intel® Intel® Cache Intel® AES New Instructions (Intel® Cache Intel® AES New Instructions (Intel® AES New Intel® Cache I	• •		5,	✓
The File Remony Access			Intel® Insider™	×
Memory Intel® Smart Cache InterNal memory* Intel® Smart Cache Internal memory bye* Internal memory type* Intel® Stake Internal type* Intel® Intel® Internal type* Intel® Intel® State Intel® Demand Based Switching Intel® Clear Video Technology Intel® Clear Video Technology for Mobile Internal memory* Intel® Clear Video Technology for Mobile Internet Devices (Intel® CVT Maximum internal memory* Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT Mobile Intel® ID Graphics Public ID Graphics Public Intel® ID Graphics Public ID Graphics Pu			Intel Flex Memory Access	✓
Internal memory "	Conflict-Free processor	×	Intel® Smart Cache	✓
Internal memory type DDR3-SDRAM Intel Trusted Execution Technology ✓ Buffered memory type 4x DIMM Intel Enhanced Halt State ✓ Memory slots 4x DIMM Intel Urx. with Extended Page ✓ ECC ✓ Tables (EPT) ✓ Memory lock speed 1333 MHz Intel Demand Based Switching X Memory layout (slots x size) 1 × 4 GB Intel Clear Video Technology X Maximum internal memory 4 TB Intel Clear Video Technology for Mobile Internet Devices (Intel CVT X Maximum storage capacity 4 TB Intel Ge Clear Video Technology for Mobile Internet Devices (Intel CVT X Total storage capacity 1 TB Intel Ge 4 ✓ Number of HDDs installed 2 Intel Identity Protection Technology ✓ HDD interface Serial ATA Intel ITSX-NI version 0.00 RAID support ✓ Y Y RAID support ✓ Y Y RAID support ✓ Y Y RAID support Y Y	•	4 GB	·	✓
Buffered memory type Unregistered (unbuffered) Intel Enhanced Halt State # Memory slots 4x DIMM Intel VT-x with Extended Page Tables (EPT) * ECC 4x DIMM Intel Demand Based Switching * Memory Lock speed 1333 MHz Intel Demand Based Switching * Memory Layout (slots x size) 1x 4 GB Intel TSX-NI X Maximum internal memory 16 GB Intel Clear Video Technology for Mobile Internet Devices (Intel CVT Mobile Intel Intel CVT Mobile Internet Devices (Intel CVT Mobile Intel Int	•		Intel Trusted Execution Technology	✓
ECC Y Tables (EPT) Y Memory clock speed 133 MHz Intel Demand Based Switching Y Memory layout (slots x size) 1 x 4 GB Intel TSX-NI X Memory layout (slots x size) 1 6 GB Intel Clear Video Technology X Storage Intel Clear Video Technology for Mobile Internet Devices (Intel CYT for MID) X Maximum storage capacity* 1 TB Intel Genet Video Technology for Mobile Internet Devices (Intel CYT for MID) X Total storage capacity* 1 TB Intel Genetity Protection Technology for Mobile Internet Devices (Intel CYT for MID) X Number of IDDs installed 2 Intel Identity Protection Technology (VT version Technology version Technology (VT version Technolo	- · · ·	Unregistered (unbuffered)	Intel Enhanced Halt State	✓
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Memory layout (slots x size) 1 x 4 GB Intel Clear Video Technology X Maximum internal memory** 16 GB Intel Clear Video Technology for Mobile Internet Devices (Intel CVT for MID) X Storage 4 TB for MID) X Total storage capacity** 1 TB Intel 64 ✓ Number of HDDs installed 2 Intel Identity Protection Technology Version 1.00 HDD interface 500 GB Intel Identity Protection Technology Version V Number of HDDs supported 2 Intel Identity Protection Technology Version V Number of HDDs supported 2 Intel TSX-NI version 0.00 Number of HDDs supported 2 Intel PSX-NI version 0.00 RAID support* Y Technology Y RAID levels 1 Intel FDI Technology Y Hob-swap Y Y Optical drive type* DVD-ROM Power Graphics Power Foreigness Power Graphics card family Intel® HD Graphics P4000 Number of main power supp		•	Intel Demand Based Switching	✓
Storage Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID) Maximum storage capacity* 4 TB Intel Mobile Internet Devices (Intel CVT for MID) X Total storage capacity* 1 TB Intel 164 ✓ Number of HDDs installed 2 Intel Identity Protection Technology version 1.00 HDD capacity Serial ATA Intel Virtualization Technology (VT-v) ✓ HDD size 3.5" Number of HDDs supported 0.00 RAID support* ✓ Intel Dual Display Capable Technology X RAID support* ✓ Technology ✓ RAID levels 1 Intel Fast Memory Access ✓ Optical drive type* DVD-ROM Processor ARK ID 65733 Internal drive bays 2 Redundant power supply (RPS) X On-board graphics card family Intel® HD Graphics Power See Support* 280 W On-board graphics card model Intel® HD Graphics P4000 Number of main power supply (RPS) X X On-board graphics card base frequency (max) 1250 MHz Sustainability ENERGY STAR ENERGY STAR Number of displays supported (on bard graphics) 3 Width 175 mm Number	· ·		Intel TSX-NI	×
Maximum storage capacity* 4 TB for MID) Maximum storage capacity* 1 TB Intel 64	Maximum internal memory *	16 GB	Intel Clear Video Technology	×
Maximum storage capacity* 4 TB for MID) Total storage capacity* 1 TB Intel 64 ✓ Number of HDDs installed 2 Intel Identity Protection Technology 1.00 HDD capacity 500 GB Intel IVirtualization Technology (VT-Varian) ✓ HDD size 3.5° Intel IVIrtualization Technology (VT-Varian) ✓ RAID support* ✓ Intel Dual Display Capable Technology X RAID support* ✓ Intel FDI Technology ✓ RAID support* ✓ Intel FDI Technology ✓ RAID support* Y Processor ARK ID 65733 RAID support* Y Redundant power supply (RPS) X On-board graphics card family Intel & HD Graphics Power supply * 280 W On-board gr	Storage			
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HDD interface Serial ATA X) Number of HDDs supported 2 RAID support*		2	Intel Identity Protection Technology	1.00
HDD size3.5"X)Number of HDDs supported2Intel TSX-NI version0.00RAID support *YIntel Dual Display Capable TechnologyXRAID levels1Intel FDI TechnologyYHot-swapXIntel FDI TechnologyYOptical drive type *DVD-ROMIntel Fast Memory AccessYOptical drive bays2Processor ARK ID65733FaraphicsOn-board graphics cardYRedundant power supply (RPS) support *XOn-board graphics card familyIntel® HD GraphicsPower supply *280 WOn-board graphics card modelIntel® HD Graphics P4000Number of main power supplies1On-board graphics card base frequency650 MHzSustainabilityOn-board graphics card dynamic frequency (max)Sustainability certificatesENERGY STARNumber of displays supported (on-board graphics)3Width175 mmNumber of displays supported (on-board graphics)3Depth407 mmNetworkHeight377 mmHeightLAN controllerIntel® 82579LMWeight11.2 kgEthernet LANYOther featuresCabling technology10/100/1000Base-T(X)Graphics cardHD Graphics P4000	• •			1.00
Number of HDDs supported 2 RAID support * RAID levels 1 Hot-swap X Optical drive type * Optical drive type * On-board graphics card 0 On-board graphics card dbase requency (max) Number of displays supported (no board graphics) Number of displays supported (no board graphics) Number of HDDs supported (no board graphics) Network LAN controller Ethernet LAN Cabling technology Intel TSX-NI version Intel TSX-NI version Intel Dual Display Capable Technology Redundant power support Processor ARK ID On-beard REDIT Technology Processor ARK ID On-board REDIT Technology Processor ARK ID On-board graphics card On-board graphics card Power Redundant power supply (RPS) Support * Power support * Power supply				✓
RAID support *				0.00
RAID levels 1 Intel FDI Technology	• •			¥
Hot-swap	• •	1	5.	
Optical drive type * Internal drive bays DVD-ROM 2 Processor ARK ID 65733 Graphics On-board graphics card ✓ Redundant power supply (RPS) support * X On-board graphics card family Intel® HD Graphics Power supply * 280 W On-board graphics card model Intel® HD Graphics P4000 Number of main power supplies 1 On-board graphics card base frequency 650 MHz Sustainability ENERGY STAR On-board graphics card dynamic frequency (max) 1250 MHz Weight & dimensions ENERGY STAR Number of displays supported (onboard graphics) 3 Width 175 mm Network Depth 407 mm LAN controller Intel® 82579LM Weight 377 mm Ethernet LAN ✓ Weight features Cabling technology 10/100/1000Base-T(X) Other features HD Graphics P4000		×	· ·	V
Internal drive bays Power Graphics Power On-board graphics card ✓ Redundant power supply (RPS) support * X On-board graphics card family Intel® HD Graphics Power supply * 280 W On-board graphics card model Intel® HD Graphics P4000 Number of main power supplies 1 On-board graphics card base frequency 650 MHz Sustainability On-board graphics card dynamic frequency (max) 1250 MHz Sustainability certificates ENERGY STAR Weight & dimensions Width 175 mm Number of displays supported (onboard graphics) 3 Width 175 mm Network Depth 407 mm 407 mm LAN controller Intel® 82579LM Weight 377 mm Ethernet LAN ✓ Weight 11.2 kg Cabling technology 10/100/1000Base-T(X) Other features Graphics card HD Graphics P4000	Optical drive type *	DVD-ROM	-	
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LAN controller Intel® 82579LM Weight 11.2 kg Ethernet LAN Cabling technology 10/100/1000Base-T(X) Weight 11.2 kg Other features Graphics card HD Graphics P4000	Network		·	
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Graphics card HD Graphics P4000		10/100/1000Base-T(X)		

