

**THE LENOVO® THINKSTATION® E31 WORKSTATION
WORKSTATION PERFORMANCE. AFFORDABLE PRICE.**



The game-changing Lenovo® ThinkStation® E31 series offers the performance and reliability you need on a budget you can afford. The E31 workstation tower and small form factor (SFF) are equipped with high-performance Intel® Core™ and Xeon® processors and error correcting memory to deliver top quality, professional results at an entry-class price point. And professional results require powerful graphics. The ThinkStation E31 supports both Intel® HD Graphics P4000 as well as NVIDIA Quadro® graphics (up to Q4000¹).

Equipped with Error-Correcting Code (ECC) memory, which virtually eliminates all memory-related failure, the ThinkStation® E31 also supports 1600 MHz, DDR3 memory. Ensuring support and certifications for the latest ISV applications from Autodesk, Adobe, Dassault Systèmes, PTC, and Siemens, Lenovo's newest workstation offering boosts productivity effortlessly.

Both the E31 tower and SFF workstations are reliable and green, offering 80 Plus® Platinum certification and up to 92% power efficiency. Even more impressive, is that the E31 SFF offers a compact design at only 11L.

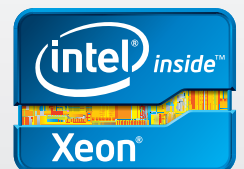
The powerful ThinkStation® E31 offers the best value for an entry-class workstation.

1 Up to Quadro® 600 for SFF



**LENOVO ENHANCED EXPERIENCE FOR WINDOWS® 7.
FAST. SECURE. BUILT FOR BUSINESS.**

Discover a better way of doing business with the new Lenovo Enhanced Experience for Windows® 7 on Think PCs. Faster, more durable and greener Think PCs are optimized for Windows® 7 to deliver improved ease of use. It enhances productivity and foolproof security that your business cannot do without.



Lenovo® recommends Windows® 7 Professional.

lenovo® **FOR**
THOSE
WHO DO.™

GREAT VALUE PERFORMANCE

- Latest Intel® Xeon® E3-1200 v2 or Core™ processor designed for best cost per performance
- Better productivity with Genuine Windows® 7 Professional
- Supports Intel® HD Graphics P4000, NVIDIA® NVS or up to Quadro® 4000¹ high-end professional graphics to run high performance applications faster and smoother
- Support for 1600 MHz DDR3 ECC or non-ECC memory and larger storage capacity up to 3TB
- Better peripheral connections and 10 times faster data transfers with USB 3.0



BETTER PRODUCTIVITY AND EFFICIENCY

- SFF (11L) has a smaller footprint to occupy less space, providing more opportunities for expanding businesses
- ISV certifications for latest professional applications including Adobe, Autodesk, Dassault Systemes, PTC, Siemens and SolidWorks

ECO-FRIENDLY GREEN STANDARDS

- Increased energy savings with up to 92% power efficiency and 80 Plus® Platinum certification
- High energy efficiency with compliance to ENERGY STAR 5.2, GREENGUARD certification, and EPEAT® Gold standards



LENOVO SERVICE

Lenovo offers a comprehensive portfolio of award-winning services to support and protect your ThinkStation investment. Succeed with substance, and let Lenovo's Service support you all the way.

Priority Technical Support²

Makes your priority, our priority. 24x7 priority call routing to advanced-level technicians, electronic incident tracking, and escalation management services.

Warranty Upgrades - Onsite and Next Business Day

Maximizes PC uptime and productivity by providing convenient, fast repair service at your place of business.

Warranty Extensions (1 to 5 Years Total Duration)

This fixed-term, fixed-cost service helps accurately budget for PC expenses, protect your valuable investment, and potentially lower the cost of ownership over time.

Keep Your Drive

Retain your drive if it should happen to fail, giving you the peace of mind to know that your valuable data is secure. KYD applies to all drives within multi hard disk/SSD systems.

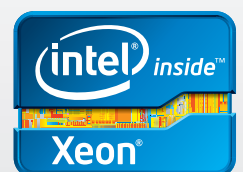


Asset Tagging

Systems come equipped with a professional, flexible asset tag based on your exact specifications. PCs are easily identifiable and trackable right out of the box.

1. Up to Quadro® 600 for SFF
2. Not available in all regions

THE LENOVO® THINKSTATION® E31 WORKSTATION



SOFTWARE OFFERINGS

SUPPORTED OPERATING SYSTEMS

- Genuine Windows® 7 Professional 32 bit
- Genuine Windows® 7 Professional 64 bit

PROFESSIONAL GRAPHICS CARDS



Lenovo DisplayPort cable is DisplayPort1.2 compliant to provide up to 4k x 2k resolution. Get Lenovo DisplayPort Cable (**0A36537**) with NVS / Quadro graphics cards and Lenovo LT LED Monitors.

NVIDIA NVS 300 Dual Digital, Dual Analog Graphics Card (0A36528)

- DMS59 interface supports dual digital, dual analog capability
- Fan-less design and quieter operation
- NVIEW and Mosaic Display Management software
- Supports attachment of optional DisplayPort cables / adapters

NVIDIA NVS 450 Quad DisplayPort, Quad DVI Graphics Card (57Y4398)

- Quad DisplayPort supports 2560 x 1600 resolution
- Includes four DisplayPort to Single-link DVI-D monitor cables to connect DVI monitors
- NVIEW Display Management software
- Supports attachment of optional DisplayPort cables / adapters

NVIDIA Quadro 400 DisplayPort, DVI Graphics Card (0A36535)

- Each DisplayPort and Dual-link DVI-I supporting up to 2560 x 1600 @ 60Hz or 1920 x 1200 @120Hz
- Energy efficient 3D CAD performance with a flexible form factor
- Supports attachment of optional DisplayPort cables / adapters

NVIDIA Quadro 600 DisplayPort, DVI-I 1GB Graphics Card (0A36183)

- DisplayPort and Dual-link DVI each supporting maximum resolution of 2560x1600
- Energy efficient 1GB performance with flexible form factor
- Supports attachment of optional DisplayPort cables / adapters

NVIDIA Quadro 2000 Dual DisplayPort, Dual-link DVI 1GB Graphics Card (57Y4479)

- Three monitor ports: use any two of three ports
- DisplayPort and Dual-link DVI each supporting maximum resolution of 2560x1600
- Supports attachment of optional DisplayPort cables / adapters

NVIDIA Quadro 2000D Dual-link DVI-I 1GB Graphics Card (0A36541)

- Two Dual-link DVI supporting maximum resolution of 2560x1600
- Support 10/12-b grey scale monitors up to 10M pixels

OPTIONS AND ACCESSORIES

WORKSTATION STORAGE



- Lenovo 250GB 7200 rpm Serial ATA Hard Drive – **41N3015**
- Lenovo 500GB 7200 rpm Serial ATA Hard Drive – **43R1990**
- Lenovo 1TB 7200 rpm Serial ATA Hard Drive – **45J7918**
- Lenovo 300GB 10K rpm Serial ATA Hard Drive – **43R2031**

WORKSTATION MEMORY



Cost effective way to boost overall system performance

ECC UDIMM

- 2GB PC3-10600 DDR3-1333 ECC UDIMM – 43R2033
- 4GB PC3-10600 DDR3-1333 ECC UDIMM – 57Y4138
- 8GB PC3-10600 DDR3-1333 ECC UDIMM – 0A65718

LED MONITORS

Lenovo ThinkVision LT2452p 24" LED Monitor (4420MB2)

- Wide viewing angle with native resolution of 1920 x 1200; 16:10 Aspect ratio; 7ms response time
- Multiple input options – DisplayPort, DVI-D and VGA
- ENERGY STAR 5.1 compliant, EPEAT Gold/ULE Gold, and TCO certified Edge 1.1



Lenovo ThinkVision LT2252p 22" LED Monitor (2572MB6)

- Wide viewing angle with native resolution of 1680 x 1050; 16:10 Aspect ratio; 5ms response time
- Multiple input options – DisplayPort, DVI-D and VGA
- ENERGY STAR 5.1 compliant, TCO certified Edge 1.1, and Mercury/Arsenic free glass

Lenovo ThinkVision LT1952p 19" LED Monitor (2448MB6)

- Wide viewing angle with native resolution of 1440 x 900; 16:10 Aspect ratio; 5ms response time
- Multiple input options – DisplayPort, DVI-D and VGA
- ENERGY STAR 5.1 compliant, TCO certified Edge 1.1, and Mercury free glass

SPECIFICATIONS

OPERATING SYSTEM

Tower / SFF

Genuine Windows® 7 Professional 32 bit
Genuine Windows® 7 Professional 64 bit

GRAPHICS

Tower

Integrated Intel® HD Graphics P4000
NVIDIA® NVS
NVIDIA® Quadro® (up to Q4000)

SFF

Integrated Intel® HD Graphics P4000
NVIDIA® NVS
NVIDIA® Quadro® (up to Q600)

OPTICAL DEVICE

Tower

DVD-ROM
DVD-RW
Blu-Ray Disc Burner

SFF

DVD-ROM / Slim DVD-ROM
DVD-RW / Slim DVD-RW
Blu-Ray Disc Burner / Slim Blu-Ray Disc Burner

ETHERNET

Tower / SFF

1 GbE

PROCESSOR

Tower / SFF

Intel® Xeon® E3-1200v2 or
Intel® Core™ i3/i5/i7 Processor

STORAGE

Tower

Up to 3 HDDs:
3.5" SATA, 250GB/500GB/1TB/2TB/3TB
(7200rpm)
2.5" SATA, 150GB/300GB/600GB (10K rpm)
2.5" SSD, 128GB/180GB/256GB

SFF

Up to 2 HDDs:
3.5" SATA, 250GB/500GB/1TB/2TB/3TB
(7200rpm)
2.5" SATA, 150GB/300GB/600GB (10K rpm)
2.5" SSD, 128GB/180GB/256GB

DIMENSIONS (W X D X H)

Tower

175mm x 430mm x 425mm (WxDxH)

SFF

337mm x 369mm x 99.7mm (WxDxH)

WEIGHT

Tower

24.7lbs / 11.2kg

SFF

16.5lbs / 7.5kg

MEMORY

Tower / SFF

Up to 32 GB 1600 MHz DDR3

PORTS AND SLOTS

Tower / SFF

(4) USB 3.0 (Rear)
(2) USB 2.0 (Rear)
(2) USB 2.0 (Front)
(1) USB 2.0 (Internal)

PSU

Tower

280W 85%
450W³ 92%

SFF

240W 85%
240W 92%³

³ Special bid



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Availability: Offers, prices, specifications and availability may change without notice. Lenovo is not responsible for photographic or typographic errors. Warranty: For a copy of applicable warranties, write to: Warranty Information, 500 Park Offices Drive, RTP, NC, 27709, Attn: Dept. ZPYA/B600. Lenovo makes no representation or warranty regarding third-party products or services. Trademarks: Lenovo, the Lenovo logo, Rescue and Recovery, ThinkStation, ThinkVantage, and ThinkVision are trademarks or registered trademarks of Lenovo. Microsoft, Windows, and Vista are registered trademarks of Microsoft Corporation. Intel, the Intel logo, Intel Core, Core Inside, Xeon and Xeon Inside are registered trademarks of Intel Corporation in the U.S. and other countries. Other company, product, and service names may be trademarks or service marks of others. Visit www.lenovo.com/safecomputing periodically for the latest information on safe and effective computing.

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