

Lenovo® recommends Windows® 7 Professional.

**lenovo**® **FOR**  
**THOSE**  
**WHO DO.**

## THE LENOVO® THINKSTATION® E30 WORKSTATION

**POWERFUL. CERTIFIED. MANAGEABLE.**



Designed for professionals who need superior computing and productivity that only a workstation can provide at an entry-class price point, the Lenovo ThinkStation E30 delivers high performance, solid reliability, and ISV support for a seamless, cost-effective transition from a standard desktop PC.

The ThinkStation E30 also delivers breathtaking graphical performance. A new generation of Intel® HD Graphics delivers ISV-certified performance for select processors. For customers who want the ultimate discrete graphics performance, NVIDIA® Quadro® and NVS discrete professional graphics deliver enhanced 2D and 3D horsepower that will maximize their productivity. The ThinkStation E30 is equipped with Error Correcting Code (ECC) memory to virtually eliminate memory-related failure. With support for up to 16GB of 1333MHz ECC-memory, the ThinkStation E30 is lightning-fast and dependably stable. In addition, the ThinkStation E30 has been tested and certified by leading ISVs, including AutoCad, Adobe, Inventor, SolidEdge, and SolidWorks.

The ThinkStation E30 is simple to use with the addition of usability and security features. Lenovo® Enhanced Experience for Windows® 7 offers faster boot and shut down versus competition. Self-encrypting drives, the Hardware Password Manager, and Rescue and Recovery offer the software and hardware protection essential for data safety. At desktop-level price points, the ThinkStation E30 offers you sheer professional processing power, reliability and security, with ISV certifications to drive your mission-critical applications.



### 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.

## HIGH-END PERFORMANCE, AFFORDABLE PRICE POINT

- The Intel® Xeon® E3 processor family delivers extraordinary performance gains over previous generation products.
- Genuine Windows® 7 Professional.
- Integrated Intel® HD Graphics or discreet NVIDIA® Quadro® and NVS graphics for enhanced 2D and 3D performance gains.
- Lenovo® Enhanced Experience for faster boot and shut down.
- Workstation performance at desktop price points.

## ISV CERTIFIED RELIABILITY

- The ThinkStation E30 is certified by multiple leading ISVs, ensuring maximum performance and reliability.
- The certification also allows support from ISVs if software operational issues occur.
- The ISV certifications on the ThinkStation E30 include AutoCAD, Adobe, Inventor, SolidWorks, and SolidEdge.



## BETTER MANAGEABILITY AND GREATER SECURITY

- Intel® vPro™ with AMT 7 provides the features of Intel® Standard Manageability, and also includes:
  - > KVM Remove Control
  - > Fast Call for Help
  - > Remote Scheduled Maintenance
  - > PC Alarm Clock.
- Error Correcting Code (ECC) memory, to virtually eliminate memory failures.
- Self-encrypting drives, the Hardware Password Manager, and Rescue and Recovery for maximum security.

## ECO-FRIENDLY WORKSTATION

- Use of 65% post-consumer recycled content and 80 PLUS Bronze certified 85% efficient power supply.
- GREENGUARD certification to preserve indoor air quality with low chemical and particle emissions.
- EPEAT Gold certification, for lower toxic material, greenhouse gas emissions, and electricity consumption.
- TCO certification, indicating low noise and radiation levels, and minimal environmental impact.

## SERVICE OFFERINGS

### THINKPLUS® SUPPORT

- All Lenovo ThinkStation® customers receive Lenovo's award-winning base warranty service and support. Increase employee uptime and protect your investment longer by upgrading your warranty support to a higher service level and/or extending the base warranty for as long as you plan to own your Lenovo ThinkStation.
- Enterprise operations require priority attention to support needs of their IT department and need fast, expert product support for their end-users and technicians. Lenovo's ThinkPlus Priority Support gives IT department faster access to Lenovo technical support for PC hardware and software issues, along with IT management tools to maximize helpdesk productivity while managing overhead costs.
- Bypass basic troubleshooting and experience shorter hold times, reduced repair times and higher first-time-fix rates so that your IT team can concentrate on mission critical business activities.

### THINKPLUS PROTECTION

- Lenovo Protection Services for ThinkStation protects you and your business against hard drive failure. Lenovo Hard Disk Drive Retention allows you to retain your hard drive in case it should fail and protects valuable files falling into the wrong hands, instead of returning the damaged part to Lenovo.
- To learn more about these and other visit [www.lenovo.com/services](http://www.lenovo.com/services)



THE LENOVO® THINKSTATION® E30 WORKSTATION

## SOFTWARE OFFERINGS

### SUPPORTED OPERATING SYSTEMS

**Preloaded:**

- Genuine Windows® 7 Professional 64-bit with Lenovo Enhanced Experience

**Supported:**

- Genuine Windows® 7 Professional 32-bit
- Genuine Windows® XP Professional
- Genuine Windows® XP x64 Edition
- Red Hat Enterprise Linux 6

### SUPPORTED TWT TOOLS

- System Update
- Client Security Solution
- Password Manager
- Rescue and Recovery
- Productivity Center<sup>1</sup>
- ThinkVantage Toolbox<sup>2</sup>

<sup>1</sup> For Windows® XP preload  
<sup>2</sup> For Windows® 7 preload

## OPTIONS AND ACCESSORIES

### MONITORS



**Lenovo ThinkVision™ L2440p Wide Monitor (4420HB2)**

- 24" wide with 1920 x 1200 resolution maximized for productivity
- VGA + DVI-D interfaces and USB Hub for connection flexibility
- EPEAT® Gold certified, TCO compliant, EnergyStar® 5.0 compliant, Greenguard® certified



**Lenovo ThinkVision L2321x Wide Monitor (4014HB6)**

- 23" wide with 1920 x 1080 resolution for increased production
- VGA + DisplayPort™ interfaces for easy dual monitor display
- Full function ergonomic stand
- EPEAT® Gold, TCO Edge and Energy star® 5.0 compliant

### GRAPHICS AND MEMORY



**NVIDIA® Quadro® NVS 295 Dual DisplayPort™ Graphics Card (45K1669)**

- Dual DisplayPort™ supports 2560 x 1600 resolution
- Fan-less design for quieter operation
- NVIDIA's NVIEW Display Management software



**NVIDIA® Quadro® FX 380 16-CUDA Cores 256MB Dual link DVI-I Graphics Card (45K1670)**

- Dual Dual link DVI digital 2560 x 1600 or dual VGA analog 1920 x 1200 maximum resolution
- Includes two DVI-VGA monitor adapters that allows attachment of VGA analog monitors
- 256MB memory frame size, 22.4GB/sec memory bandwidth



**NVIDIA® Quadro® 2000 192-CUDA Cores 1GB Dual link DVI-I, Dual DisplayPort™ Graphics Card (57Y4479)**

- Three monitor ports: Two DisplayPort™ and one dual link DVI-I – use any two of three ports.
- DisplayPort™ & Dual link DVI-I digital 2560 x 1600 resolution
- 1GB memory frame size, 41.6GB/sec memory bandwidth
- Support attachment of optional DisplayPort™ monitor cables (go to [www.lenovo.com/support/displayport-cables](http://www.lenovo.com/support/displayport-cables))



**NVIDIA® Quadro® NVS 450 Quad DisplayPort™, Quad DVI-D Graphics Card (57Y4398)**

- Quad DisplayPort™ supports 2560 x 1600 resolution
- Includes four DisplayPort™ to Single-Link DVI-D Monitor cables that allows attachment of DVI digital monitors 1920 x 1200
- NVIDIA's NVIEW Display Management software



**NVIDIA® Quadro® 600 96-CUDA Cores 1GB DVI-I, Dual DisplayPort™ Graphics Card (0A36183)**

- One DisplayPort™ and one Dual link DVI-I
- Supports 2560 x 1600 maximum resolution
- 1GB memory frame size, 25.6GB/sec memory bandwidth
- Supports attachment of optional DisplayPort™ monitor cables (go to [www.lenovo.com/support/displayport-cables](http://www.lenovo.com/support/displayport-cables))



**Low-cost method to boost overall system performance using DDR3 Error Correcting Code (ECC) or non-ECC memory**

- **43R2033** 2GB PC3-10600 DDR3-1333 ECC UDIMM
- **57Y4138** 4GB PC3-10600 DDR3-1333 ECC UDIMM
- **57Y4389** 1GB PC3-10600 DDR3-1333 Low Halogen UDIMM
- **57Y4390** 2GB PC3-10600 DDR3-1333 Low Halogen UDIMM

### PRODUCTIVITY ACCESSORIES



**Ergotron DS100 Quad-Monitor (2x2) Desk Stand (45K1804)**

- View multiple monitors simultaneously for maximum productivity
- Accommodates various LCD sizes and slides displays into place so screen edges align



**Ergotron Neo-Flex Dual LCD Lift Stand (78Y5370)**

- Increase work accuracy and productivity; view multiple applications/ documents
- Easily turn one or both screens from landscape mode to portrait mode.



**3D Connexion Space Navigator Standard Edition (51J0318)**

- Six degrees of freedom via a flexible controller cap
- Support for Google Earth, Google SketchUp Autodesk® DWF Viewer as well as 3D design applications from Solidworks, PTC, UGS, Dassault Systems and Autodesk®



**ThinkCentre Extend Arm (57Y4352)**

- Extend function (410mm, 16.1") to easily move and adjust the monitor
- 269mm (10.6") vertical adjustment
- Pivot for portrait (vertical) and landscape (horizontal) viewing, tilt to reduce glare and improve viewing angle

**SPECIFICATIONS**

<p><b>OPERATING SYSTEM</b></p> <p><b>Preloaded:</b> Genuine Windows® 7 Professional 64-bit with Lenovo Enhanced Experience Genuine Windows® 7 Ultimate 64-bit</p> <p><b>Supported:</b> Genuine Windows® 7 Professional 32-Bit Genuine Windows® XP Professional Genuine Windows® XP x64 Edition Red Hat Enterprise Linux 6</p>	<p><b>PROCESSOR</b></p> <p><b>Intel® Xeon®</b> Intel® Xeon® E3-1280 (3.5GHz, 8MB L3 cache) Intel® Xeon® E3-1270 (3.4GHz, 8MB L3 cache) Intel® Xeon® E3-1240 (3.3GHz, 8MB L3 cache) Intel® Xeon® E3-1230 (3.2GHz, 8MB L3 cache) Intel® Xeon® E3-1220 (3.1GHz, 8MB L3 cache) Intel® Xeon® E3-1275 (3.4GHz, 8MB L3 cache) Intel® Xeon® E3-1245 (3.3GHz, 8MB L3 cache) Intel® Xeon® E3-1235 (3.2GHz, 8MB L3 cache) Intel® Xeon® E3-1225 (3.1GHz, 8MB L3 cache)</p>	<p><b>Intel® Core™</b> Intel® Core™ i3-2120 (3.3GHz, 3MB L3 cache) Intel® Core™ i3-2100 (3.1GHz, 3MB L3 cache)</p>
<p><b>INTEGRATED GRAPHICS</b></p> <p>Intel® HD Graphics P3000 for Intel® Xeon® E3 Processor Family Intel® HD Graphics 3000 for Intel® Core™ i3 Processor Family</p>	<p><b>DISCRETE GRAPHICS</b></p> <p><b>2D Graphics:</b> NVIDIA® Quadro® NVS 295 – 256MB – 2x DP NVIDIA® Quadro® NVS 300 – 512MB – DMS59 to 2x DVI NVIDIA® Quadro® NVS 450 – 512MB – 4x DP</p>	<p><b>3D Graphics:</b> NVIDIA Quadro FX380 – 256MB – 2x DVI NVIDIA Quadro 400 – 512MB – 1x DVI, 1x DP NVIDIA Quadro 600 – 1GB – 1x DVI, 1x DP NVIDIA Quadro 2000 – 1GB – 2x DP, 1x DVI</p>
<p><b>CHASSIS</b></p> <p>Tool-less features on front bezel, slots and bays</p>	<p><b>DIMENSIONS (W X D X H)</b></p> <p>412 mm x 175 mm x 420 mm</p>	<p><b>WEIGHT</b></p> <p>14 Kg (31 lb.)</p>
<p><b>MEMORY<sup>3</sup></b></p> <p>4 Available DIMM Slots <b>ECC:</b> 2GB DDR3 1333MHz UDIMM 4GB DDR3 1333MHz UDIMM <b>Non-ECC:</b> 2GB DDR3 1333MHz UDIMM 4GB DDR3 1333MHz UDIMM</p>	<p><b>HDD</b></p> <p>2 Available Bays for HDD or SSD 3.5" 7200rpm SATA: 250GB, 500GB, 1TB, 2TB 2.5" 10Krpm SATA: 150GB, 300GB, 600GB</p>	<p><b>STORAGE - OPTIONAL</b></p> <p>DVD-ROM DVD R/W Blu-ray R/W Multi-card reader</p>
<p><b>ETHERNET</b></p> <p>Intel® 82579 Gigabit Ethernet</p>	<p><b>AUDIO</b></p> <p>Intel® HD audio interface (with Realtek ALC662 codec)</p>	<p><b>AUDIO PORTS</b></p> <p>Front – microphone, headphone Rear – line in, line out, microphone</p>
<p><b>SPEAKER</b></p> <p>Internal mono speaker</p>	<p><b>RJ45 PORT</b></p> <p>1 (rear)</p>	<p><b>SATA PORTS</b></p> <p>1 SATA (300 MB/s), 1 SATA II (300 MB/s), 2 SATA III (600 MB/s), 1 eSATA</p>
<p><b>RAID</b></p> <p>RAID-0 and RAID-1 supported via Intel Rapid Storage Technology</p>	<p><b>TPM</b></p> <p>Trusted Platform Module (TPM) 1.2 (ST Micro)<sup>4</sup></p>	<p><b>POWER SUPPLY</b></p> <p>280W (85% efficient, auto-sensing)</p>
<p><b>PORTS</b></p> <p>6 rear USB 2.0 Ports 2 front USB 2.0 Ports 1 internal dual USB 2.0 connector 1 rear dual PS/2 port (optional) 1 rear COM Port</p>	<p><b>SLOTS</b></p> <p>2 PCI Slots (v2.3) 1 PCI Express x1 Slot (v2.0) 1 PCI Express x16 Slot (v2.0)</p>	<p><b>BAYS</b></p> <p>2 internal 3.5" (2.5" conversion bracket available) 1 external 3.5" 2 external 5.25"</p>
<p><b>ADAPTERS</b></p> <p>1 USB 3.0 2-port PCIe adapter 1 IEEE 1394A (firewire) 2-port PCIe adapter</p>	<p><b>DONGLES</b></p> <p>DVI to VGA DP to DVI, DP to VGA</p>	<p><b>SSD</b></p> <p>2.5" Multi-level Cell (MLC): 80GB, 160GB</p>
<p><b>KEYBOARD</b></p> <p>Preferred Pro full-size USB keyboard</p>	<p><b>MOUSE</b></p> <p>800dpi Mouse</p>	

<sup>3</sup> Mixing ECC and non-ECC memory is not supported  
<sup>4</sup> Disabled for Russia and China

