

Unisys Enterprise Servers

The Unisys ES7000 Model 7405R Enterprise Server



The innovative Unisys ES7000 Model 7405R Enterprise Server is a scalable virtualization powerhouse. Packing a huge memory footprint and powered by Quad-Core AMD Opteron™ processors, this server can drive the most demanding virtualization workloads. With up to 8 processors and 32 cores in a streamlined 4U form factor, this system delivers best-in-class performance density. The ES7000 Model 7405R Enterprise Server allows a whole suite of distributed applications to be hosted in one server, simplifying overall datacenter management and improving the ROI of your IT investment.

Product Highlights

- Up to 8 Quad-Core AMD Opteron processors featuring new Rapid Virtualization Indexing technology, which improves efficiency switching between virtual machines to optimize virtualization performance
- Power consumption and costs are optimized through the combination of efficient power supply design, which minimizes energy loss, and improved cooling abilities, delivered through the use of large fans and channeled airflows.
- Quad-Core processor modules include support for AMD's Dual Dynamic Power Management™ ("split-plane") that offers higher performance with lower power consumption.

- Max memory to 256GB to support large database and virtualization applications
- Enterprise-class redundancy in power and cooling with hot swap power, fans, and disks
- Integrated Lights Out Manager (iLOM) provides an advanced remote interface to streamline system management

Typical Deployment Scenarios

- Virtualization - you can easily host and manage many virtual machines within the server through the latest in Quad-Core AMD processor technology and support for multiple virtualization technologies including VMware and Microsoft Virtual Server.
- Server Consolidation – you can achieve significant server consolidation through the system's support of a wide range of operating systems as well as its high availability.

System Specifications

CPU Scalability	<ul style="list-style-type: none"> • 4 or 8 processors
CPU Types	<ul style="list-style-type: none"> • Quad-Core AMD Opteron 8300 series processors: AMD Opteron Model 8356 (2.3GHz)
Operating System Certifications	<ul style="list-style-type: none"> • Windows Server 2008 and 2003 Datacenter, Enterprise and Standard Editions (32-bit)* • Windows Server 2008 and 2003 Datacenter, Enterprise and Standard Editions (64-bit)* • Red Hat Enterprise Linux: RHEL 4.6 64-bit • RHEL 5.1 64-bit • SUSE Linux Enterprise Server: SLES 10 sp1 64-bit • VMware ESX 3.0.3 and 3.5 (update 1) • Solaris 10 OS on x64
Server Management	<ul style="list-style-type: none"> • Integrated Lights Out Manager (iLOM) • Remote management with full Keyboard, Mouse, Video, Storage (KVMS) • Remote media capability (floppy, CD) • Full DMTF CLI scripting • Browser UI for control of the system through a graphical interface • IMPI 2.0 compliant for management and control • SNMP v1, V2C, V3 for system monitoring • Monitor and report system and component status on all FRUs • Remote power on/off/reset • Remote system firmware updates • Helps install supported operating systems • Automatic install for any required drivers • "Call home for service" capability
I/O	<ul style="list-style-type: none"> • 4 PCI-Express slots at 8X (20Gbit/s) • 2 PCI-Express slots at 4X (10Gbit/s) • 2 PCI-X slots at 100MHz • Up to 16GB/s of bi-directional I/O
Maximum Memory	<ul style="list-style-type: none"> • 8 DIMM slots/CPU • 256GB of DDR2/667 ECC registered DIMMs
Cooling Method	<ul style="list-style-type: none"> • Hot-swappable redundant fans; with fan speed control
Dimensions	<ul style="list-style-type: none"> • 6.92" H (4U) x 17.0" W x 24" D (176 mm x 432 mm x 609 mm)
Server Access	<ul style="list-style-type: none"> • Top
Estimated Weight	<ul style="list-style-type: none"> • 125 pounds
Power	<ul style="list-style-type: none"> • 110/240V – 50/60Hz input • Total consumption 1740 W (estimated)
Thermal	<ul style="list-style-type: none"> • 5852 BTU/hr (estimated)
Shock	<ul style="list-style-type: none"> • Operating: 3.5G, 11ms
Vibration	<ul style="list-style-type: none"> • Operating: 5Hz – 500Hz @ .12G
Ambient Temperature	<ul style="list-style-type: none"> • Operating: 5°C to 32°C (41°F to 90°F) • Non-operating: -20°C to 60°C (-4°F - 140°F)
Relative Humidity	<ul style="list-style-type: none"> • Operating: 10-90 percent (non-condensing) • Non-operating: 93 percent maximum (non-condensing)
Altitude	<ul style="list-style-type: none"> • Non-operating: 39,370.08 feet (0-12000 meters) • Operating: 10,000 feet (3048 meters)
Warranty	<ul style="list-style-type: none"> • Three (3) year, next business day, limited warranty

* Windows Server 2008 operating systems are scheduled for availability mid-2008.

For more information, contact your Unisys representative.

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