

The Unisys ES7000/400 Series

This Intel® Itanium® 2-based series, delivers the highest levels of performance and is ideal for running large databases, complex business intelligence applications, high performance computing as well as migration from UNIX/RISC-based systems.

UNISYS REAL-TIME
ENTERPRISE SERVERS.



The Unisys Real-Time Enterprise ES7000/400 Series Servers are scalable systems for IT executives looking to leverage the benefits of Intel® standardization into the data center. With the flexibility to grow from 4 to 32 Intel® Itanium® 2 processors, the 64-bit ES7000/400 Series delivers the highest levels of performance for your mission-critical applications, large-scale databases and environments requiring floating point calculations. These servers provide an ideal alternative to running expensive UNIX/RISC-based systems in your data center.

Unisys Sentinel management software provides self-managing capabilities and the greater system resiliency required for enterprise operating environments. This unique software enables ES7000/400 servers to monitor and heal themselves proactively, thus increasing each system's reliability. Sentinel software also enhances each system's performance, scalability, agility and serviceability and provides an integration path to the industry's leading enterprise and application management tools such as NetIQ AppManager.

- > Consulting.
- > Systems Integration.
- > Outsourcing.
- > Infrastructure.
- > Server Technology.

UNISYS

Imagine it • Done •

Unisys Real-Time Enterprise Server ES7000/400:

System specifications

CPU scalability.

- ▶ 4, 8, 12, 16, 24 or 32 Intel® Itanium® 2 processors

CPU types.

- ▶ Intel® Itanium® 2 processors:
 - 1.6 GHz, 9 MB on-die cache, or
 - 1.6 GHz, 6 MB on-die cache, or
 - 1.5 GHz, 4 MB on-die cache, or
 - 1.3 GHz, 3 MB on-die cache
- ▶ Intel® Xeon™ processor MP (for hybrid systems running both Intel® Itanium® 2 and Intel® Xeon™ MP processors):
 - 2.8 GHz, 2.0 MB on-die cache, or
 - 3.0 GHz, 4.0 MB on-die cache

Operating system certifications.

- ▶ Microsoft Windows Server 2003, Datacenter Edition
- ▶ Microsoft Windows Server 2003, Enterprise Edition
- ▶ Red Hat Enterprise Linux AS
- ▶ SUSE LINUX Enterprise Server

Server management—Unisys Server Sentinel.

- ▶ Redundant, dedicated service processors
- ▶ Web-based, GUI navigation screen
- ▶ Health advisor for scheduled health reports to Unisys
- ▶ Automated notification of firmware and integrated management software updates

- ▶ “Call home for service” capability
- ▶ SNMP notification
- ▶ System configuration
- ▶ Health monitoring
- ▶ Health reporting
- ▶ Customized event notification (Windows)
- ▶ Hardware and software self-healing features (Windows)
- ▶ Hardware self-healing features (Linux)

Partitions.

- ▶ Four (4) independent partitions of 4 processors (maximum of two partitions per power domain), or
- ▶ Two (2) independent partitions
 - Maximum of 12 processors per partition (24x)
 - Maximum of 16 processors per domain (32x), or
- ▶ Up to two (2) independent 64-bit partitions (in 4-CPU increments), and
- ▶ Up to two (2) independent 32-bit partitions (in 4-CPU increments)

Shared cache.

- ▶ 32 MB for every 4 Intel® Xeon™ processor MP CPUs

IO.

- ▶ Single-partition systems:
 - 8-processor server: Two (2) 133 MHz PCI-X slots and four (4) 100 MHz PCI-X slots, standard, or
 - 12- and 16-processor servers: Two (2) 133 MHz PCI-X slots and eight (8) 100 MHz PCI-X slots, standard



- ▶ Two-partition systems:
 - 8-processor server: Two (2) 133 MHz PCI-X slots and four (4) 133 MHz PCI-X slots, standard, or
 - 12- and 16-processor servers: Four (4) 133 MHz PCI-X slots and eight (8) 100 MHz PCI-X slots, standard
 - Expandable to 16 133 MHz PCI-X slots or 32 100 MHz PCI-X slots
- ▶ Up to eight (8) IO sub-modules per domain for a total of 64 slots using 100 MHz PCI cards or 32 slots using 133 MHz PCI-X cards
 - Up to 32 100 MHz PCI-X slots, or
 - Up to 16 133 MHz PCI-X slots, plus
 - Up to 64 PCI expansion slots (64-bit/66 MHz card), and
 - Up to 32 PCI expansion slots (64-bit/33 MHz card)

Maximum memory.

- ▶ 64 GB per domain with 1 GB DIMMs (total 128 GB per system)
- ▶ 128 GB per domain with 2 GB DIMMs (total 256 GB per system)
- ▶ 256 GB per domain with 4 GB DIMMs (total 512 GB per system)
- ▶ 36 GB (32-bit domain)
- ▶ 64 GB per domain with 1 GB DIMMs (64-bit domain)
- ▶ 128 GB per domain with 2 GB (64-bit domain)
- ▶ 256 GB per domain with 4 GB DIMMs (64-bit domain)

Cooling method.

- ▶ Up to 10 fan assemblies (N + 1)

Dimensions.

- ▶ Minimum:
 - 22" W x 34" D x 48" H (24-U frame)
 - 22" W x 34" D x 31.5" H (without frame)
- ▶ Maximum:
 - 22" W x 34" D x 69" H (with mandatory frame)

Domain access.

- ▶ Front and rear

Estimated weight.

- ▶ Minimum:
 - 675 lbs. (with frame)
 - 410 lbs. (without frame)
- ▶ Maximum:
 - 1100 lbs. (with mandatory frame)

Power.

- ▶ Minimum:
 - 240V Single Phase one 30A circuit; 3.2 KVA
- ▶ Maximum:
 - 240V 1Phase two 30A circuits, up to 2 per cabinet; 5.8 KVA (per power sector)

Power domains.

- ▶ Up to two (2) independent power domains

Thermal.

- ▶ Minimum:
 - 9,200 BTU/hr (Aries 405)
- ▶ Maximum:
 - 18,414 BTU/hr (per power sector)

Shock.

- ▶ Operating: 3.0g, 15ms
- ▶ Non-operating: 8.0g, 15ms

Vibration.

- ▶ Operating: 0.01-inch 5 Hz-22 Hz; 0.25g 22 Hz-300 Hz
- ▶ Non-operating: 0.10-inch 5 Hz-10 Hz; 0.5g 10 Hz-70 Hz; 0.002-inch 70 Hz-99 Hz; 1.0g 99 Hz-300 Hz

Ambient temperature.

- ▶ Operating temperature: 13°C to 35°C (55°F to 95°F)
- ▶ Shipping temperature: -40°C to 65° (-40°F to 149°F)

Relative humidity.

- ▶ Operating: 10%-80% (non-condensing)
- ▶ Non-operating: 95% maximum (non-condensing)

Altitude.

- ▶ 0-8000 ft (0-2436 m)

Warranty.

- ▶ Three (3) year, next business day, limited hardware warranty
 - Available in Unisys service areas

For more information, contact your local Unisys representative.

**Or call Unisys at:
1-800-874-8647, extension 365 (U.S. and Canada)
00-1-585-742-6780, extension 365 (Other countries)**

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