

The Unisys ES3000 Family of Servers

The ES3220 Enterprise Server



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The Unisys ES3220 Enterprise Server is a two-socket Tower server offering a great return on investment (ROI) through high availability, performance, and serviceability standards brought by intelligent design innovations and the utilization of latest technologies. The ES3220 server meets the needs of clients who value flexibility for consolidated scalability and seamless management integration. This server is well positioned to meet the needs of financial institutions, corporate data centers, growing businesses, and branch office sites that require premium performance and interoperability in the enterprise.

The ES3220 server incorporates new technologies including:

- Next generation, dual-core Intel® Xeon® processors
- Next generation, quad-core Intel® Xeon® processors
- Next generation storage technology (SAS/SATA)
- The Intel® 5000X (Green creek) chipset with support for Fully Buffered DIMMs (FBD) and up to 48GB of 667MHz SDRAM memory

In addition to supporting new technologies, the ES3220 server continues to provide support for the next generation I/O technology (PCI Express), as well as support for internal or external tape and 2.5" and 3.5" hard drive sizes.

Exceptional availability and manageability features include:

- Hot-plug redundant power
- Integrated RAID (ROMB) option with 256MB of battery-backed cache
- Six (6) I/O slots
- Dual-embedded Gigabit NICs
- Embedded remote access option (DRAC5/i)

Key Features of the ES3220 Server

Performance

- Support for up to two Intel® Xeon® (Woodcrest – dual-core and Clovertown – quad-core) processors
- 1.6 GHz, 2.0 GHz, 2.66 GHz, 3.0 GHz, (Woodcrest) and 1.6 GHz, 1.86 GHz, 2.0 GHz, 2.33 GHz, 2.66 GHz, 3.0 GHz (Clovertown)
- FSB for each socket @ 1066 MHz
- Support for 64-bit extensions
- Intel® 5000x chipset (Greencrest) with support for new dual- and quad-core Intel® Xeon® processors (when available; with stepping change), PCI Express technology, fully buffered DIMM memory architecture and up 48GB of FBD DDR2-667MHz memory capacity
- Support for four (4) PCI Express (3 x 4 and 1 x 8) slots and two 64-bit/133 MHz PCI-X slots on a single PCI bus
- Support for up to 48GB of ECC PC3200 667MHz FBD -DDR2 SDRAM (twelve DIMM slots; each supports a 4GB DIMM)
- Dual-embedded Broadcom Gigabit NICs
- Optional PERC5/i ROMB with battery backed 256MB of cache for internal drives and PERC5/e and PERC4e/DC (Express) for internal and/or external storage
- TCP/IP Offload Engine (TOE)

Availability

- Support for hot-plug drives and power supply
- Support for optional redundant power (1+1)
- Support for multiple RAID solutions
- Dual-embedded Broadcom Gigabit NICs that support load balancing and failover
- Integrated IPMI 2.0 compliant hardware monitoring circuitry (BMC)
- Advanced memory protection features, including SDDC (multi-bit errors), Online Spare Row (selected configurations) and Memory Mirroring (selected configurations)

Scalability

- Support for up to 6 I/O cards
 - 4 x PCI Express (three x 4 and one x 8) slots
 - 2 x 64-bit/133MHz PCI-X slots (both slots in ES3220 are full height and full length, second slot is full height)
- Dual-embedded Gigabit NICs
- Dedicated remote management port for DRAC5/i daughter card
- Twelve memory sockets (667MHz FBD DDR2 DIMMs supported)
- Support for up to 8 x 3.5" hot-pluggable SAS or SATA 10K and 15K RPM hard drives + 2 3.5" cabled SAS or SATA 10K RPM hard drives in peripheral bay; 3TB maximum storage
- Rear ports:
 - One integrated PCI video (ATI RN50) with 16MB SDRAM
 - Identification push button with its LED (blue/amber)
 - One 9-pin serial port
 - Four USB 2.0 ports
 - One Video Port
 - Two RJ-45 embedded Gigabit NICs
 - RJ-45 for DRAC5/I dedicated connector (optional)
- Front ports on control panel:
 - Two USB 2.0 port
 - One video port
 - Power button
 - System ID button

Manageability and Serviceability

- Unisys OpenManage Server Administrator (OMSA) and Unisys Server Assistant (DSA) CDs included
- Unisys OpenManage Application Software included
- DRAC5/i for advanced remote management
- Integrated base management controller (BMC) for system monitoring and management. BMC is IPMI 2.0 compliant
- Highly serviceably (tool-less) 5U chassis
- Common hard drive carrier with other new ES3000 servers (i.e. ESL3220, ESL3140)
- Power supplies located in the rear of the chassis can be accessed without the need to open the server
- Common BIOS and drivers with Unisys ES3220 and ESL3220 servers will help clients deploying a combination of these servers by maintaining a single image
- System may be used with or without bezel for greater flexibility in client environments
- Physical Dimensions:
 - Tower Orientation
(without Bezel) 18.85" (47.89 cm) tall with feet, no casters, x 8.92" (22.66 cm) wide x 26.04" (66.13 cm) deep (without LCD panel; with panel add .51") (1.3 cm)
 - Rack Orientation
8.57" (21.77 cm) tall x 17.43" (44.27 cm) wide chassis (without flanges; 19" or 48.27 cm with flanges x 26.04") (66.13 cm) deep (without LCD panel; with panel add .51") (1.3 cm)
 - Maximum weight of 110 lbs.

For more information, please contact your Unisys representative.

Or call Unisys today at:

1-800-874-8647 ext 738 (U.S. and Canada)

00-1-585-742-6780 ext 738 (Other countries)

In a hurry to learn more?

Visit: <http://www.unisys.com/es7/es3000>

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