

## Introducing the Newisys® 4300-E Enterprise-Class Server

### Maximum performance, availability and manageability for business-critical workloads

- Built on the groundbreaking performance and manageability of the Newisys® 4300 server design, the Newisys 4300-E Enterprise-Class Server improves upon every aspect of the original design.
- With four AMD Opteron™ processors, up to 32 gigabytes of DDR400 memory and extensive hot-swap PCI-X expansion capability to handle the most demanding peripheral expansion needs, the Newisys 4300-E server is an ideal platform to handle mission-critical database, application and high-performance compute workloads.
- Delivering 64-bit computing capability and leading 32-bit performance, the 4300-E server will not only outperform today's 32-bit workloads, but also easily tackle applications that were previously the exclusive domain of high-priced, proprietary 64-bit RISC servers.
- The Newisys 4300-E server also offers enterprise class hot-swap redundant power and cooling in an innovative mechanical package that balances expandability, serviceability and size to deliver one of the most compact yet powerful 4-way rack servers on the market.

### About Newisys

Newisys, Inc., a creative technology company significantly impacting the server-computing environment, is dedicated to designing and delivering enterprise-class server and storage products. Newisys offers a family of robust designs targeted for integration into OEM product offerings.

### About Sanmina-SCI

Sanmina-SCI Corporation is a leading electronics contract manufacturer serving the fastest-growing segments of the global electronics manufacturing services (EMS) market. Recognized as a technology leader, Sanmina-SCI provides end-to-end manufacturing solutions, delivering unsurpassed quality and support to OEMs primarily in the communications, defense and aerospace, industrial and medical instrumentation, computer technology, and multimedia sectors. Sanmina-SCI has facilities strategically located in key regions throughout the world.



### The Newisys® 4300-E Enterprise-Class Server is ideal for:

- Enterprise database, online transaction processing, data warehousing and data mining
- Business-critical corporate datacenter, ERP, CRM, enterprise mail and messaging
- Internet infrastructure
- Complex, compute-intensive analytical workloads, for disciplines such as engineering, life sciences, financial services

## Newisys® 4300-E Enterprise-Class Server at a Glance

CPU	Four AMD Opteron™ 800 Series processors	
Memory Capacity	512MB - 32GB ECC, registered DDR400 SDRAM (16 slots, 2GB DIMM maximum per slot, 3.05-cm maximum height)	
Storage	1 - 6 hot-swap 36Gb - 300Gb U320 SCSI drives, optional CD-ROM and floppy module, or optional DVD-ROM and floppy	
SCSI Controller	Embedded U320 controller with integrated mirroring support	
PCI I/O	Four 133MHz/64-bit PCI-X full-length, hot-swap/hot-add slots Two 100MHz/64-bit PCI-X full-length slots One 66MHz/64-bit PCI-X half-length slot	
Other I/O	Serial port, USB, embedded SVGA video, keyboard, video and mouse connectors	
Management	Integrated service processor with dedicated 10/100 Ethernet for secure web-based, command-line (SSH) or SNMP server management. Front-panel LCD display for service processor configuration and operating-status display	
Power and Cooling	Dual redundant (n+1) hot-swap power supplies Hot-swap redundant fans	
System Dimensions	Weight: 75 pounds maximum Width: 17.5 inches	Height: 5.2 inches Depth: 28.5 inches
Operating Temperature	Up to 35° C ambient air	
Operating Systems	Windows 2003 Server (32- and 64-bit) SUSE Linux SLES 8 and 9 (32- and 64-bit) Red Hat RHEL 3 and 4 Family (32- and 64-bit)	
Warranty	Three-year limited warranty	

