

**Hardware and Software**  
**Engineered to Work Together**

## SUN HARDWARE FROM ORACLE: PRICING FOR EDUCATION

### AFFORDABLE, RELIABLE, AND GREAT PRICES FOR EDUCATION

- Optimized Sun systems run Oracle and other leading operating and virtualization platforms with greater performance and efficiency.
- Best-of-breed storage optimizes performance, maximizes data protection, and reduces your total cost of ownership.
- Oracle Sun products are built on open standards that work with your existing infrastructure.

In today's challenging economy, it is difficult for you to implement IT solutions that meet the needs of your educational institution while remaining conscious of your budget. And low cost solutions sometimes mean you have to sacrifice performance, capacity and sustainability—tradeoffs that are unacceptable in an increasingly demanding education environment.

### Innovating for Education & Research Excellence

Oracle brings a unique perspective to the education and research sector. No other global player delivers the breadth and depth of best-in-class technology and solutions or long-term commitment to teaching, learning, and research that we deliver to the market. Oracle has helped educational institutions solve big problems on a limited budget and help customers realize savings on a total cost of ownership (TCO) basis by consolidating disparate systems from multiple vendors into a seamless solution from a single partner.

Now Oracle can offer education institutions unmatched savings on its award-winning systems products making it more affordable for educational institutions to create scalable, high-performing, and low TCO teaching and learning environments. With discounts off list price of selected Sun products from Oracle, the net result is that Oracle can assist you in reducing the impact on your budget in two ways:

- Lower your total cost for technology acquisition of systems and hardware
- Reduce your institution's impact on the environment by running and maintaining a lower cost, more efficient infrastructure

### Oracle's Education Program Offering





Start today to take advantage of this exciting, new program from Oracle. The table on the next page describes the products offered with this program. Select the combination of products that best suits your institution's needs and contact your Oracle Sales Representative for more information about discount opportunities.

### Oracle's Commitment to Education




This hardware pricing program for Oracle education customers is just one of the many ways Oracle continues to invest in education globally by developing best-in-class education-specific products and programs. Oracle leads the high tech industry with its innovative, standards-based technology and hardware and services that provide education customers with the latest enabling technologies and many deployment model choices. For more information about all the products and programs for higher education and research institutions, visit [Higher Education and Research on Oracle.com](#).



Oracle also contributes more than \$2Billion to education through the various programs under [Oracle's Commitment to Advance Education](#).

## Education Configuration and Pricing on Server Products from Oracle

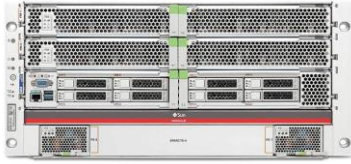

				
Name	Oracle X6-2	Oracle X6-2L	SPARC T7-1 Server	SPARC T7-2 Server
Configuration With Education Program Pricing	(2) 10-core Intel Xeon E5-2630 v4 processors, (4) 16GB DDR4-2400 registered DIMM, (2) 600GB 10k rpm 2.5-inch SAS-3 HDD, Eight 2.5 inch drive slots, 1 DVD-RW drive slot, Power cord: North America and Asia, 2.5 meters, 5-15P plug, C13 connector, 15 A	(2) 10-core Intel Xeon E5-2630 v4 processors, (4) 16GB DDR4-2400 registered DIMM, (6) 8TB 7200 rpm 3.5-inch SAS-3 HDD, Twelve 3.5 inch drive slots, Power cord: North America and Asia, 2.5 meters, 5-15P plug, C13 connector, 15 A	SPARC T7-1 server: base with 1 SPARC M7 32-core 4.13 GHz processor with its revolutionary Software-in-Silicon feature, is a 1-processor socket, SPARC M7 processor-based, 2U rackmount server; Up to 1 TB of Memory, (8) Drive Bays for SAS HDDs, SAS SSDs, or NVMe PCIe SSDs, (1) DVD drive included with base, (6) Internal PCIe Gen3 Expansion Slots, (4) RJ45 10 GbE Ports (auto-negotiating), (2) Redundant, Hot-swappable AC Power Supplies	SPARC T7-2 server: base with 2 SPARC M7 32-core 4.13 GHz processors, revolutionary Software-in-Silicon feature, is a 2-processor socket, SPARC M7 processor-based, 3U rackmount server. Up to 2 TB of Memory, (6) Drive Bays for SAS HDDs, SAS SSDs, or NVMe PCIe SSDs, (1) DVD drive included with base, (8) Internal PCIe Gen3 Expansion Slots, (4) RJ45 10 GbE Ports (auto-negotiating), (2) Redundant, Hot swappable AC Power Supplies
Please contact your Oracle or Oracle Partner sales representative for information on pricing and availability.				


## Education Configuration and Pricing on Server Products from Oracle, cont.

			
<b>Name</b>	<b>SPARC T7-4 Server</b>	<b>SPARC T5-2 Server</b>	<b>SPARC T5-2S Server</b>
<b>Configuration With Education Program Pricing</b>	SPARC T7-2 server: base with 4 SPARC M7 32-core 4.13 GHz processors, revolutionary Software-in-Silicon feature, is a 4-processor socket, SPARC M7 processor-based, 3U rackmount server. (2) or (4) SPARC M7 Processors, 2 TB or 4 TB of Memory, 4 TB Maximum in 4-processor Configurations (64 DIMM Slots), 2 TB Maximum in 2-processor Configurations (32 DIMM Slots), (8) Drive Bays for SAS HDDs, SAS SSDs, or NVMe PCIe SSDs, (16) Internal PCIe Gen3 Expansion Slots, (4) RJ45 10 GbE Ports (auto-negotiating), (4) Redundant, Hot-swappable AC Power Supplies	(2) SPARC T5 16 core 3.6 GHz processors, 256 GB memory, (2) 300 GB SAS-2 HDD, (4) RJ45 10- Gigabit Ethernet Ports, (8) Internal PCIe Gen 3 Expansion Slots, (2) AC Power Supplies, Oracle Solaris and Oracle VM Server for SPARC preinstalled. 3RU.	(2) SPARC T5 16 core 3.6 GHz processors, (1) 300 GB SAS-2 HDD, (1) 8 GB DDR3-1066 registered DIMM, (1) Filler panel for disk drives, Power cord: Sun Rack jumper, straight, 2 meters, C14 plug, C13 connector, 15 A, Oracle Solaris and Oracle VM Server for SPARC preinstalled.
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<b>Name</b>	<b>SPARC T5-8 Server</b>	<b>SPARC M7-8</b>
<b>Configuration With Education Program Pricing</b>	(4) SPARC T5 16 core 3.6 GHz processors, 1 TB memory, (2) 300 GB SAS-2 HDD, (4) RJ45 10- Gigabit Ethernet Ports, (16) Internal PCIe Gen3 Expansion Slots, (4) AC Power Supplies, Oracle Solaris and Oracle VM Server for SPARC preinstalled, 8RU.	The SPARC M7-8 server utilizes the revolutionary Software-in-Silicon features available in the SPARC M7 processor and the Solaris operating system to detect and prevent unauthorized memory access without a performance penalty. The SPARC M7-8 server is configurable from (2) up to (8) processors in a single Domain or from (2) up to (4) processors in a two domain chassis configuration. Up to (8) SPARC M7 32-core 4.13 GHz Processors, Up to 8 TB of Memory, Up to (24) PCIe Gen3 Expansion Slots (Hot-pluggable via PCIe Carriers), (8) Hot-swappable Fan Modules, (6) Hot-swappable Power Supplies, 10U Rackmount Form Factor
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## Education Configuration and Pricing on Server Products from Oracle, cont.

		
<b>Name</b>	<b>SPARC T5-4 Server</b>	<b>SPARC S7-2 Server</b>
<b>Configuration With Education Program Pricing</b>	(2) SPARC T5 16 core 3.6 GHz processors, 512 TB memory, (2) 300 GB SAS-2 HDD, (4) RJ45 10-Gigabit Ethernet Ports, (16) Internal PCIe Gen3 Expansion Slots, (2) AC Power Supplies, Oracle Solaris and Oracle VM Server for SPARC preinstalled, 5RU.	The SPARC S7-2L Server is a 2-processor socket, SPARC S7 8-core 4.27 GHz series processor-based, up to 1024 GB Memory, 2U rackmount server. The SPARC S7-2L Server offers different internal drive backplanes that support either higher performance 2.5-inch drives or higher capacity 3.5-inch drives, resulting in a larger variety of drives for customers to choose from. The (3) different drive backplane options available include: 24-Drive Backplane - Provides (24) 2.5-inch front drive bays and (2) 2.5-inch rear drive bays; 12-Drive (NVMe) Backplane - Provides (12) 2.5-inch front drive bays for NVMe drives; 12-Drive Backplane - Provides (12) 3.5-inch front drive bays and (2) 2.5-inch rear drive bays; 8-Drive Backplane - Provides (8) 2.5-inch front drive bays. (4) RJ45 10-Gigabit (10000BASE-T), (7) PCIe Gen3 (1) PCIe slot occupied by required Internal SAS HBA, (2) Redundant Hot-swappable AC Power Supplies
Please contact your Oracle or Oracle Partner sales representative for information on pricing and availability.		



	
<b>Name</b>	<b>SPARC S7-2L Server</b>
<b>Configuration With Education Program Pricing</b>	The SPARC S7-2 Server is available with an internal 8-Drive backplane that supports high performance 2.5-inch drives. 128 GB up to 1024 GB Memory (2-Processor Configurations) 64 GB up to 512 GB Memory (1-Processor Configurations), 8 Drive Bays for SAS HDDs, SAS SSDs, or NVMe PCIe SSDs, (4) RJ45 10-Gigabit (10000BASE-T), (3) PCIe Gen3 (1) PCIe slot occupied by required Internal SAS HBA, (2) Redundant Hot-swappable AC Power Supplies
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## Education Configuration and Pricing on Engineered Systems from Oracle



		
Name	Zero Data Loss Appliance	Zero Data Loss Appliance Upgrade
Configuration With Education Program Pricing	Zero Data Loss Recovery Appliance X6 (Base Rack): (2) Compute Servers, (3 ) Storage Servers [18 Storage Servers max.], (2 ) 36 port QDR (40 Gb/sec) IB Switches, Full-sized rack w/ (2) 15 kVA LV PDUs, Spare Parts Kit, Oracle Advanced Support Gateway Server X5-2, (4) 16 Gb FC ports for tape , Disk Drive Licenses and Installation.	Zero Data Loss Appliance Upgrade: (1) Oracle Server X6-2L Storage Server, basic installation and Disk Licensing.
Please contact your Oracle or Oracle Partner sales representative for information on pricing and availability.		


	
Name	Oracle MiniCluster S7-2
Configuration With Education Program Pricing	The Oracle MiniCluster S7-2 is a rack-mountable solution that contains (2) server nodes with (1) Storage Tray. Oracle MiniCluster S7-2 is an extremely simple and efficient hardware and software system designed to run enterprise databases and applications with uncompromising security. Oracle MiniCluster S7-2 integrates and automates 225 security controls by default. Oracle MiniCluster S7-2 incorporates fully redundant, high-performance shared flash storage and active/active electrically isolated compute nodes with redundant network connectivity for a highly available architecture. Oracle MiniCluster S7-2 is a highly efficient system powered by the SPARC S7 processor. This means workloads can be run with less hardware and software, and with less administrative time and effort resulting in lower operational costs.
Please contact your Oracle or Oracle Partner sales representative for information on pricing and availability.	

## Education Configuration and Pricing on Fujitsu Servers

		
Name	Fujitsu M10-1 Server	Fujitsu M10-4 Server
Configuration With Education Program Pricing	<p>Base server with 1 deactivated SPARC64 X+ 16-core 3.2 GHz processor with Three (3) PCIe slots Eight (8) internal drive slots, Two (2) PSUs, One (1) Rail Kit , Two (2) on-board USB , Four (4) on-board GigaE copper , One (1) on-board SAS-2. Four 4X16 GB DDR3-1600 registered DIMMs , Two 600 GB 10000 rpm 2.5-inch SAS-2 HDD. Solaris and OVM preinstalled. Separately priced activation permit required for 2 processor cores; includes 8.</p>	<p>The Fujitsu M10-4 Server is a 4-processor socket, SPARC64 (X/X+) processor-based, 4RU rackmount server. Fujitsu M10-4 Server configurations have all processor cores deactivated by default, and require separately priced activation permits to enable them for use. This provides customers with a capacity on demand model, which allows them to pay for only the quantity of processor cores that are actually needed.(2 or 4) SPARC64 (X/X+) (16-Core or 8-Core) Processors,Activate from (4 up to 32 or 64) Cores, Up to 4TB of Memory, (8) Drive Bays for SAS HDDs and SSDs, (11) Internal PCIe Gen3 Expansion Slots, (4) RJ45 Gigabit Ethernet Ports, (1) External SAS-2, (2) AC Power Supplies (1+1 Redundancy), 4RU Rackmount Form Factor (M10-4 Server)</p>
Please contact your Oracle or Oracle Partner sales representative for information on pricing and availability.		


## Education Configuration and Pricing on Oracle Networking Products

		
<b>Name</b>	<b>Brocade 6505 16 Gb 24 Port Fibre Channel Switch entry</b>	<b>Oracle Switch ES1-24</b>
<b>Configuration With Education Program Pricing</b>	Brocade 6505 16 Gb 24 Port Fibre Channel Switch: (12) activated 16 Gb FC ports and (12) short wave SFP+s, power supply, Rail Kit and basic Installation. Switch totals 1 RU.	Oracle Top-of-Rack (TOR) 10GbE switch. 20 ports of 1/10GBase-T and 4 ports of SFP+. Licensed 10GbE Layer 2/3 features on all ports. Dual hot swap power supplies. Half-width switch in 1U form factor with Rail Kit.
Please contact your Oracle or Oracle Partner sales representative for information on pricing and availability.		

		
<b>Name</b>	<b>FS1-2 All Flash entry</b>	<b>FS1-2 Base entry</b>
<b>Configuration With Education Program Pricing</b>	FS1-2 All Flash -- (4) Intel® Xeon® processors, 384GB non-volatile Memory, (12) 16 Gb/s FC Ports, (8) 10GbE (10GBase-T) Ports all on (2) Storage Controllers each with (2) Redundant, Hot-Swappable Power Supplies. Oracle FS1-2 Pilot redundant management interface. (1) Sun DE2-24P Storage Drive Enclosure mounting a total of (7) 400 GB, 2.5", Performance SSDs. (1) Sun DE2-24P Storage Drive Enclosure mounting a total of (19) 1.6 TB, 2.5", Capacity SSDs. [supports up to (30) Storage Drive Enclosures]. Rail Kits and Basic Installation included. Controllers and disk shelves total 12 RU. Usable (RAID 5) capacity 25.6 TB.	FS1-2 Base -- (4) Intel® Xeon® processors, 64GB non-volatile Memory, (8) 16 Gb FC Ports, (8) 10GbE (10GBase-T) Ports on (2) Storage Controllers each with (2) Redundant, Hot-Swappable Power Supplies. Oracle FS1-2 Pilot redundant management interface. (1) Sun DE2-24P Storage Drive Enclosures mounting a total of (24) 1.2 TB 10K rpm 2.5" Hard Disks, (1) Sun DE2-24C Storage Drive Enclosure mounting a total of (24) 8TB, 7.2K rpm, 3.5", Hard Disks [supports up to (30) Storage Drive Enclosures]. Rail Kits and basic Installation included.
Please contact your Oracle or Oracle Partner sales representative for information on pricing and availability.		





Education Configuration and Pricing on Oracle Networking Products, cont.



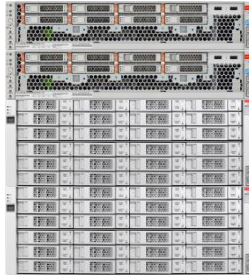

	
Name	FS1-2 Performance entry
Configuration With Education Program Pricing	FS1-2 Performance -- (4) Intel® Xeon® processors, 384GB non-volatile Memory, (12) 16 Gb FC Ports, (8) 10GbE (10GBase-T) Ports on (2) Storage Controllers each with (2) Redundant, Hot-Swappable Power Supplies. Oracle FS1-2 Pilot redundant management interface. (1) Sun DE2-24P Storage Drive Enclosures mounting a total of (7) 400GB, 2.5," Performance SSDs, (1) Sun DE2-24P Storage Drive Enclosure mounting a total of (7) 1.6TB, 2.5" Capacity SSDs, (1) Sun DE2-24P Storage Drive Enclosures mounting a total of (24) 1.2 TB, 10K rpm, 2.5", Hard Disks, (1) Sun DE2-24C Storage Drive Enclosure mounting (24) 8TB, 7.2K rpm, 3.5", Hard Disks [supports up to (30) Storage Drive Enclosures]. All components rackmounted in a Sun Rack II SR1242 w/ (2) 10kVA (1-phase) PDUs, cabled, tested, and shipped as a complete system with Basic Installation included. Controllers and disk enclosures total 18 RU. Usable (RAID 5/6) capacity 190.7 TB.
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## Education Configuration and Pricing on Oracle Storage Products


		
<b>Name</b>	<b>Oracle Storage Drive Enclosure DE2-24C: base chassis, for after-market installation</b>	<b>Oracle Storage Drive Enclosure DE2-24P base chassis, for after-market installation</b>
<b>Configuration With Education Program Pricing</b>	Oracle Storage DE2-24C disk shelf: base chassis with 24x 4TB 7.2K rpm 3.5" SAS-2 HDDs, (2) SAS-2 I/O modules, (2) AC PSUs, (2) cooling fans and Rail Kit. This 4RU shelf can be utilized with Oracle ZFS 7x20-series and ZS3-series storage systems.	Oracle Storage DE2-24P disk shelf: base chassis with 24x 900GB 10K rpm 2.5" SAS-2 HDDs, (2) SAS-2 I/O modules, (2) AC PSUs, (2) cooling fans and Rail Kit. This 2RU shelf can be utilized with Oracle ZFS 7x20-series and ZS3-series storage systems.
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## Education Configuration and Pricing on Oracle Storage Products, cont.


				
Name	Oracle ZS3-2 Capacity	Oracle ZS3-2 Performance	Oracle ZS3-2 Clustered	Oracle ZS4-4 Clustered
Configuration With Education Program Pricing	(2) 8-core 2.1 GHz Intel® Xeon® Processors, 256GB DDR3 Memory, (4) 10Gb Base-T Ethernet Ports, and (2) Redundant, Hot-Swappable Power Supplies in a single Storage Controller. (1) Sun DE2-24C Storage Drive Enclosure mounting (20) 4TB 7.2K rpm 3.5" SAS-2 Hard Disks [supports up to (8) Storage Drive Enclosures], (2) SSD Write Flash Accelerators, and Rail Kits. Controller and disk shelf total 6 RU.	(2) 8-core 2.1 GHz Intel® Xeon® Processors, 256GB DDR3 Memory, 4x 10Gb Base-T Ethernet Ports, and 2x Redundant, Hot-Swappable Power Supplies in a single Storage Controller. (2) Sun DE2-24P Storage Drive Enclosures mounting a total of (44) 900GB 10K rpm 2.5" SAS-2 Hard Disks [supports up to (8) Storage Drive Enclosures], (2) SSD Write Flash Accelerators, and Rail Kits. Controller and disk shelf total 6 RU.	(4) 8-core 2.1 GHz Intel® Xeon® Processors, 512GB DDR3 Memory, (8) 10Gb Base-T Ethernet Ports on (2) Storage Controllers each with (2) Redundant, Hot-Swappable Power Supplies. (2) Sun DE2-24C Storage Drive Enclosure mounting a total of (44) 4TB 7.2K rpm 3.5" SAS-2 Hard Disks [supports up to (16) Storage Drive Enclosures], (2) SSD Read Flash Accelerators, (4) SSD Write Flash Accelerators, and Rail Kits. Storage Appliance Cloning and Remote Replication licensing included. Controllers and disk shelves total 12 RU..	ZS4-4 'Half Rack' Clustered -- (8) Intel® Xeon® processors 3 TB Memory, (8) 10GbE (10GBase-T) Ports, (8) 10GbE (SFP+) Portson (2) Storage Controllers each with (2) Redundant, Hot-Swappable Power Supplies. (4) Sun DE2-24C Storage Drive Enclosure mounting a total of (68) 8TB, 7.2K rpm, 3.5", SAS-2 Hard Disks [supports up to (36) Storage Drive Enclosures], (2) SSD Read Flash Accelerators, (4) SSD Write Flash Accelerators, Sun Rack II SR1242 w/ (2) 15kVA (1-phase) PDUs, Rail Kits and a basic Installation. Storage Appliance Cloning, Replication and Encryption licensing for all Storage Controllers included. Controllers and disk enclosures total 24 RU. Usable (Mirrored) capacity 157.5TB.
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## Education Configuration and Pricing on StorageTek Products from Oracle

		
Name	StorageTek SL150 Modular Tape Library (With LTO6 Tape Drives)	StorageTek SL150 Modular Tape Library (With LTO7 Tape Drives)
Configuration With Education Program Pricing	StorageTek SL150 modular library system: base with 30 activated cartridge slots, Operator Panel, 1 HP LTO6 half height 8 Gb FC tape drive, and rackmounting kit 1 Power Supply	StorageTek SL150 modular library system: base with 30 activated cartridge slots, Operator Panel,
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Name	StorageTek SL150 Modular Tape Library (With LTO6 Tape Drives)	StorageTek SL150 Modular Tape Library (With LTO7 Tape Drives)
Configuration With Education Program Pricing	StorageTek SL150 modular library system: base with 30 activated cartridge slots, Operator Panel, 1 HP LTO6 half height 8 Gb FC tape drive, and rackmounting kit 1 Power Supply	StorageTek SL150 modular library system: base with 30 activated cartridge slots, Operator Panel,
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## Education Configuration and Pricing on StorageTek Products from Oracle, cont.

	
<b>Name</b>	<b>StorageTek T10KD Drives</b>
Configuration With Education Program Pricing	StorageTek Rackmount Tape Drives, StorageTek T10000 tape drive: 1 T10000D 16 Gb FC with rackmount, Power cord: Jumper, 3 meters, C14 plug, IEC60320-1-C13 connector, 10 A
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### Hardware and Software, Engineered to Work Together

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