

Sun Enterprise™ 220R Server Product Notes



THE NETWORK IS THE COMPUTER™

Sun Microsystems, Inc.
901 San Antonio Road
Palo Alto, CA 94303-4900 USA
650 960-1300 Fax 650 969-9131

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Send comments about this document to: docfeedback@sun.com

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Sun Enterprise 220R Server Product Notes

The Sun Enterprise™ 220R server requires the Solaris™ 2.6 Hardware: 5/98 operating environment, or the Solaris 7 Hardware: 8/99 operating environment, or a later compatible release.

These product notes contain important information about installation, features, and known system limitations that arrived too late for publication in other documents. These product notes pertain to the Sun Enterprise 220R server.

Product Patch for Solaris 2.6: 5/98 Required for Disk Hot-Plug Operations

You must install the software patch 105580-13 or later if you are running the Solaris 2.6 Hardware: 5/98 operating environment. This patch is required for disk hot-plug operation. The hot-plug feature of the system's internal disk drives permits the removal and installation of drives while the system is operational.

You can download the patch from the SunSolve Online™ Public Patch Page Access web site:

<http://sunsolve.sun.com>

Click on `Patches` and follow the links for Solaris 2.6. If you have any questions, contact your Sun Microsystems™ sales or service representative for assistance in downloading the patch.

SRC/P Controller Option for External RAID Arrays

The Sun Enterprise 220R server supports the Sun StorEdge SRC/P Intelligent SCSI RAID Controller™ option for external RAID arrays. The SRC/P Controller is a host-based, three-channel UltraSCSI RAID controller card with a 64-bit PCI system interface and a dedicated processor. Two 2m external cables are supplied with the controller for connection to Sun StorEdge™ MultiPack units.

The SRC/P Controller can be installed in any 64-bit PCI slot. Install the SRC/P Controller just as you would any other PCI card. The Sun Enterprise 220R server supports a maximum of three SRC/P Controller cards. See the *Sun Enterprise 220R Server Service Manual* and the *Sun StorEdge SRC/P Intelligent SCSI RAID Controller Installation Guide* for instructions.

For information about the features and functionality provided by the SRC/P Controller and for RAID configuration information, see the *Sun StorEdge SRC/P Intelligent SCSI RAID Controller User's Guide*.

Transferring Components to Your New Sun Enterprise 220R Server

The following internal components may be transferred from another system to your Sun Enterprise 220R server. For installation instructions and important configuration requirements, see the *Sun Enterprise 220R Server Owner's Guide* and the *Sun Enterprise 220R Server Service Manual*.

Internal Component	Sun Part Number
Memory	
32-Mbyte 60-ns DIMM	501-2622
64-Mbyte 60-ns DIMM	501-2480
128-Mbyte 60-ns DIMM	501-3136

Internal Component	Sun Part Number
Disk Drives	
4.2-Gbyte 7200-rpm 1-inch UltraSCSI Disk Drive	540-2938
9.1-Gbyte 7200-rpm 1-inch UltraSCSI Disk Drive	540-2951, 540-3720
9.1-Gbyte 10,000-rpm 1-inch UltraSCSI Disk Drive	540-3881, 540-3966
18.2-Gbyte 10,000-rpm 1-inch UltraSCSI Disk Drive	540-4177, 540-4178, 540-4401

Environmental Specifications Are Incorrect

The environmental specifications in Appendix B of the *Sun Enterprise 220R Server Service Manual* and the *Sun Enterprise 220R Server Owner's Guide* are incorrect.

The correct environmental specifications are listed in the table below.

Parameter	Value
Operating	
Temperature without tape media	5°C to 40°C (41°F to 104°F)—IEC 68-2-2
Temperature with tape media	10°C to 35°C (50°F to 95°F)—IEC 68-2-1
Humidity	20% to 80% RH, noncondensing; 27 °C max wet bulb—IEC 68-2-2, 68-2-3
Altitude	0 to 3000 meters (0 to 10,000 feet)—IEC 68-2-40, 68-2-41
Vibration	0.15 gravity (g) peak, 5–500 Hz (swept sine); 5–500 Hz (random); vertical axis only—IEC 68-2-6
Shock	3g peak, 11 milliseconds half-sine pulse—IEC 68-2-27
Non-Operating	
Temperature	-20°C to 60°C (-4°F to 140°F)—IEC 68-2-1, 68-2-2
Humidity	93% RH, noncondensing at 35°C—IEC 68-2-2, 68-2-3
Altitude	0 to 12,000 meters (0 to 40,000 feet)—IEC 68-2-40, 68-2-41

Parameter	Value
Vibration	0.5g peak, 5–500 Hz (swept sine); 1.5mm single amplitude, 5–500 Hz (random); vertical axis; 0.25g peak, 5–500 Hz (swept sine); 0.75mm single amplitude, 5–500 Hz (random); horizontal axis—IEC 68-2-6
Shock	15g peak, 11 milliseconds half-sine pulse—IEC 68-2-27
Threshold impact	.75 m/s—ETE-1010-01