

Preface

The *Sun™ Ultra™ Enterprise™ 3000 System Manual* is for the qualified service-trained maintenance provider.

How This Book Is Organized

Information in this manual is organized in five parts:

Part 1 - "Product Description," provides an overview of the system, safety precautions, and tools information.

Part 2 - "System Components," provides descriptions, and installation and removal instructions for boards and components, power supplies, and internal storage devices.

Part 3 - "Troubleshooting," contains fault isolation information and flow charts to help locate system hardware problems.

Part 4 - "Service Information," explains how to prepare the system for service and how to access subassemblies.

Part 5 - "Appendixes," provides additional reference information such as product specifications, illustrated parts breakdown, connector pinouts, and other material of interest to qualified service-trained maintenance providers.

UNIX Commands

This document may not include specific software commands or procedures. Instead, it may name software tasks and refer you to operating system documentation or the handbook that was shipped with your new hardware.

The types of tasks that you might need to use references for includes:

- Shutting down the system
- Booting the system
- Configuring devices
- Other basic software procedures

The references you can use include:

- *Solaris 2.x Handbook for SMCC Peripherals* contains Solaris™ 2.x software commands.
- On-line AnswerBook™ for the complete set of documentation supporting the Solaris 2.x software environment.
- Other software documentation that you received with your system.

Typographic Conventions

The following table describes the typographic changes used in this book.

Typeface or Symbol	Meaning	Example
AaBbCc123	The names of commands, files, and directories; on-screen computer output	Edit your <code>.login</code> file. Use <code>ls -a</code> to list all files. machine_name% You have mail.
AaBbCc123	What you type, contrasted with on-screen computer output	<pre>machine_name% su Password:</pre>
AaBbCc123	Command-line placeholder: replace with a real name or value	To delete a file, type <code>rm filename</code> .
AaBbCc123	Book titles, new words or terms, or words to be emphasized	Read Chapter 6 in the <i>User's Guide</i> . These are called <i>class</i> options. You <i>must</i> be root to do this.

Shell Prompts

The following table shows the default system prompt and superuser prompt for the C shell, Bourne shell, and Korn shell.

Shell	Prompt
C shell	machine_name%
C shell superuser	machine_name#
Bourne shell and Korn shell	\$
Bourne shell and Korn shell superuser	#

Related Documents

The following documents contain topics that relate to the information in the *Ultra Enterprise 3000 System Manual*.

Application	Title	Part Number
Installation	<i>Ultra Enterprise 3000 System Installation Guide</i>	802-6050
Safety/EMI	<i>Ultra Enterprise System Cabinet Regulatory Compliance Manual</i>	802-3846
Software	<i>SMCC SPARC Hardware Platform Guide</i>	802-5341
	<i>Solstice SyMON User's Guide</i>	802-5355
Options	<i>Ultra Enterprise Expansion Cabinet Installation and Service Manual</i>	802-6084
	<i>Ultra Enterprise Board Installation Guide</i>	802-5030
	<i>Ultra Enterprise CPU Installation Guide</i>	802-5031
	<i>Ultra Enterprise SIMM Installation Guide</i>	802-5032
	<i>Ultra Enterprise Peripheral Power Supply Installation Guide</i>	802-5033
	<i>Ultra Enterprise Power/Cooling Module (PCM) Installation Guide</i>	802-6244

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Luxembourg	32-2-720-09-09	32-2-725-88-50
Germany	01-30-81-61-91	01-30-81-61-92
The Netherlands	06-022-34-45	06-022-34-46
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Notes, Cautions, and Warnings



Warning – This equipment contains lethal voltage. Accidental contact with centerplane, card cage, and drive areas can result in serious injury or death.



Caution – Improper handling by unqualified personnel can cause serious damage to this equipment. Unqualified personnel who tamper with this equipment may be held liable for any resultant damage to the equipment.

Individuals who remove any outer panels or open covers to access this equipment must observe all safety precautions and ensure compliance with skill level requirements, certification, and all applicable local and national laws.

Procedures contained in this document must be performed by qualified service-trained maintenance providers.

Note – Before you begin, carefully read each of the procedures in this manual. If you have not performed similar operations on comparable equipment, *do not attempt* to perform these procedures.
