

Preface

SunATM™ SBus Adapters Manual provides installation instructions for the SunATM-622/MMF SBus Adapter 2.1, the SunATM-155/MMF SBus Adapter 2.1, and the SunATM-155/UTP5 SBus Adapter 2.1. This manual also describes how to install and configure the SunATM 2.1 software.

These instructions are designed for an experienced system administrator with networking knowledge.

How This Book Is Organized

Chapter 1, “Introducing and Installing the SunATM-622/MMF SBus Adapter 2.1,” introduces the SunATM-622 adapter and describes how to install and verify the adapter.

Chapter 2, “Introducing and Installing the SunATM-155 SBus Adapters 2.1,” introduces the SunATM-155 adapters and describes how to install and verify the adapters.

Chapter 3, “Installing the SunATM Software,” describes how to install the SunATM software packages using the `pkgadd` utility.

Chapter 4, “Configuring the SunATM Interface,” describes some of the new features in the SunATM software and how to configure the software using the `atmadmin` configuration program.

Chapter 5, “Editing the SunATM Configuration Files,” shows how you can edit the SunATM 2.1 configuration files to best suit your network.

Chapter 6, “Classical IP and LAN Emulation Protocols,” provides background information about both the Classical Internet Protocol (IP) and the local area network (LAN) emulation protocol, which allows IP traffic to run over Asynchronous Transfer Mode (ATM) interfaces.

Appendix A, “Wiring Scheme and Pin Descriptions,” describes the wiring scheme for the T568 and 96-pin SBus connectors.

Appendix B, “SunATM SBus Adapters Specifications,” lists the specifications for all of the SunATM adapters.

Appendix C, “Troubleshooting and Error Messages,” provides a troubleshooting section for the software installation and configuration, and defines the software error messages.

Appendix D, “Managing SunATM Interfaces with SNMP,” describes how to install and to set up Simple Network Management Protocol (SNMP) agents.

Appendix E, “Application Programmers’ Interface,” defines the SunATM application programmer’s interface (API).

Appendix F, “Running Diagnostic Tests,” provides pointers to the SunVTS™ test suite, and it describes how to run the OpenBoot™ selftest.

The **Glossary** contains list of words and acronyms found in this book with their definitions.

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 type of information that you might need to use references for includes:

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

See one or more of the following:

- *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	#

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Notes, Cautions, and Warnings



Warning – This equipment contains lethal voltage. Accidental contact 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 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.
