

Preface

This manual provides instructions for the installation of the SunISDN board. It also provides basic voice and data configurations for Sun™ ISDN hardware.

The current release of Integrated Services Digital Network (ISDN) has been established for

- Australia (AUSTEL)
- France (France Telecom VN3, VN6)
- Germany (Deutsche Bundespost Telekom/1TR6)
- Japan (Nippon Telegraph and Telephone INS-Net 64)
- United Kingdom (British Telecom ISDN2)
- North America (NTI DSM100)
- North America (AT&T 5ESS PTP/MTP)
- North America (National ISDN-1 and ISDN-2)
- Europe (ETSI)
- Hong Kong (HKT)

Who Should Use This Book

The book is intended for system administrators, customer service representatives, and end-users who are familiar with ISDN concepts and Sun SPARC®-based systems.

How This Book Is Organized

- **Chapter 1, “SunISDN”** provides an overview of SunISDN installation.
- **Chapter 2, “ISDN Configuration,”** provides information on Audio/ISDN integration, port technology, and cabling configuration.
- **Chapter 3, “Termination Pins,”** covers the proper setting for jumper pins in the ISDN communication environment.
- **Chapter 4, “SunISDN SBus Board Installation,”** covers the SBus board installation for the 2-Slot, 3-Slot, 4-Slot SPARCstation platforms, and in a SPARCserver™.
- **Chapter 5, “ISDN Diagnostic Test,”** covers the test that verifies the functionality of the ISDN portion of the Dual Basic Rate ISDN (DBRI) chip.
- **Appendix A, “ISDN Reference Model,”** describes the different ISDN reference points as defined by the ISDN standards recommendations I.310 to I.470.
- **Appendix B, “RJ-45 Termination Pin Out,”** explains the function of each pin for the RJ-45 connector.
- **Appendix C, “Wave Attenuation”**
- **Appendix D, “Typical Configurations”**
- **Appendix E, “Foreign Regulatory Requirements and Restrictions”**
- **Appendix F, “SPARCstation 1 and 1+ Boot Prom”**
- **Appendix G, “Labeling”**

Related Documentation

Refer to the *SunISDN User's Guide* for information on installing and configuring the SunISDN software. All references to the *SunISDN User's Guide* in this document refer to the version appropriate to your software release.

What Typographic Changes Mean

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

Table P-1 Typographic Conventions

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	machine_name% su Password:
<i>AaBbCc123</i>	Command-line placeholder: replace with a real name or value	To delete a file, type <code>rm filename</code> .
<i>AaBbCc123</i>	Book titles, new words or terms, or words to be emphasized	Read Chapter 6 in <i>User's Guide</i> . These are called <i>class</i> options. You <i>must</i> be root to do this.

Shell Prompts in Command Examples

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

Table P-2 Shell Prompts

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