About This Manual

Document Objectives

This document will help you prepare your site for installing Cisco Systems' LightStream 2020 multiservice ATM switch (LS2020 switch). Using this document, you can:

- Select an equipment rack and appropriate cables

- Select space for the system in a computer room, wiring closet, or other suitable area

- Ensure that the selected space meets LS2020 environmental and electrical requirements

- Prepare the Sun workstation and operating environment for using the StreamView network management application

- Obtain IP addresses for your LS2020 switches

- Unpack an LS2020 switch

Cisco documentation and additional literature are available on a CD-ROM called Cisco Connection Documentation, Enterprise Series. The CD is updated and shipped monthly, so it might be more current than printed documentation. To order the documentation CD, contact your local sales representative or call Customer Service. The CD is available by itself (as a single CD) and through an annual subscription. You can also access Cisco technical documentation on the World Wide Web, using URL http://www.cisco.com.

Note   The Cisco Connection Documentation, Enterprise Series CD was previously called UniverCD.

Audience

The primary audience for this document is customers who have purchased or are considering the purchase of an LS2020 switch. The secondary audience includes Cisco Systems employees and partner companies who need information about setting up LS2020 hardware.

Document Organization

This manual contains the following elements:

- "Welcome to Cisco" describes the support services provided by Cisco Systems.

- "About This Manual" describes this manual's objectives, audience, organization, and lists related LS2020 documentation. This section also defines the document conventions used in this manual.

- Chapter 1, "Site Preparation," tells you how to prepare your site for installing an LS2020 switch.

- Chapter 2, "Network Management System Requirements," describes hardware and software requirements for using the network management station (NMS).

- Chapter 3, "Connectors and Cables," describes the LS2020 access cards, associated data cables, and power cordsets.

- Appendix A, "IP Addresses," provides background information about IP addressing, masks, and subnets.

- Appendix B, "Unpacking a LightStream 2020 Switch," tells you how to unpack an LS2020 switch from its shipping container.

Acronyms and Abbreviations

The following table lists the acronyms and abbreviations used in this document.

Acronym or Abbreviation	Meaning
Btu	British thermal unit
°C	degrees Celsius
cm	centimeters
db(A)	decibels (A-weighted)
EIA	Electronic Industries Association
EMI	electromagnetic interference
°F	degrees Fahrenheit
'	feet
Hz	Hertz
in.	inches
kg	kilograms
km	kilometers
lb	pounds
m	meters
TIA	Telecommunications Industry Association
V	volts
VAC	volts of alternating current
VDC	volts of direct current
W	watts

Related Documentation

The following lists the user manuals and other pertinent materials available for LS2020 customers.

- *LightStream 2020 System Overview*

  Introduces the LS2020 switch and the Asynchronous Transfer Mode (ATM) technology on which the LS2020 product is based. It describes traffic flow through an LS2020 network and presents key features, such as traffic and network management.

- *LightStream 2020 Site Planning and Cabling Guide*

  Provides guidelines you can use as you prepare your site to receive LS2020 hardware. It includes space, environmental, and electrical requirements; rack selection guidelines; requirements for the management workstation; and information on cables and connectors.

- *LightStream 2020 Installation Guide*

  Tells you how to install and set up LS2020 nodes and how to install StreamView management software on your network management workstation.

- *LightStream 2020 Hardware Reference & Troubleshooting Guide*

  Describes LS2020 hardware components and tells you how to troubleshoot and diagnose component problems. It also gives procedures for configuring and replacing individual components.

- *LightStream 2020 Configuration Guide*

  Provides the information you need to configure LS2020 switches. It describes the configuration tools and the procedures for using them, introduces the configuration database, and defines all configurable attributes and their settings. The guide also provides step-by-step configuration procedures.

- *LightStream 2020 Network Operations Guide*

  Presents an overview of network tasks. It introduces the command line interface (CLI) and the graphical user interface (GUI), and it describes GUI-based monitoring procedures. The manual also describes facilities for viewing statistics and collecting traffic data.

- *LightStream 2020 CLI Reference Manual*

  Presents the syntax and functions of all CLI commands, describes the LS2020 private MIB, and discusses test and control system (TCS) hub commands.

- *LightStream 2020 Command Line Interface (CLI) Reference Card*

  Compactly summarizes the syntax and arguments for all CLI commands.

- *LightStream 2020 Traps Reference Manual*

  Discusses LS2020 traps and outlines the procedures used to determine whether traps will be logged and where they will be viewed. The manual also describes the major SNMP, operational, and informational traps.

- *LightStream 2020 NP O/S Reference Manual*

  Discusses the most frequently used LynxOS commands and the bash shell. It also provides a tutorial and reference guide for the vi editor.

- LightStream 2020 upgrade procedures and release notes

  Upgrade procedures outline steps involved in upgrading software. Release notes describe new features and special considerations (including known software bugs). Release notes and upgrade procedures are provided for both the platform software and the network management software.

> **Note** The upgrade procedures and release notes include important information that was not available at the time the formal user documents were printed.

- *Internetworking Terms and Acronyms*

  Presents a lexicon of internetworking terms and acronyms and includes material of specific interest to LS2020 users.

- *LightStream 2020 Online Help*

  The LS2020 CLI and GUI network management tools include an online help facility.

To order these and other Cisco publications, contact your sales representative. If necessary, customer service can give you the name of your sales representative.

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