

**Oracle® Communications
Diameter Signaling Router**

Hardware Documentation Roadmap Reference

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Oracle® Communications Hardware Documentation Roadmap Reference

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Table of Contents

Chapter 1: Introduction.....	5
Introduction.....	6
Scope and Audience.....	6
Organization.....	6
Documentation Admonishments.....	6
Related Publications.....	7
My Oracle Support (MOS).....	7
Emergency Response.....	7
Locate Product Documentation on the Oracle Technology Network Site.....	8
Chapter 2: Roadmap.....	9
Introduction.....	10
General Descriptions and Hardware Features.....	10
User Operations - LEDs.....	11
FRU Procedures.....	12

List of Tables

Table 1: Admonishments.....6

Chapter 1

Introduction

Topics:

- *Introduction.....6*
- *Scope and Audience.....6*
- *Organization.....6*
- *Documentation Admonishments.....6*
- *Related Publications.....7*
- *My Oracle Support (MOS).....7*
- *Emergency Response.....7*
- *Locate Product Documentation on the Oracle
Technology Network Site.....8*

Introduction

This document is an aid to navigate the respective manufacturer online documentation related to the Diameter Signaling Router (DSR) product. This document provides links to typical hardware-related user information. The referenced documentation includes hardware descriptions and operation information.

The hardware included with DSR utilizes the HP ProLiant G6/G7/Gen8Gen8 line of servers mounted in a cabinet. Dependent upon customer order and system configuration delivered, the cabinet may be powered by either an AC or DC input from the customer site. There are separate cabinet assemblies for AC or DC installations.

The individual customer ordered system configuration dictates the components installed in the cabinet.

Scope and Audience

Note: All personnel must be aware of and conform to the safety information provided throughout the documentation included with this product.

Testing, system software, or applications software are not discussed in this manual.

Organization

This manual is organized into the following chapters:

- [Introduction](#) provides information about the manual and installation support.
- [Roadmap](#) points to the respective manufacturer documentation for typical user information.

Documentation Admonishments

Admonishments are icons and text throughout this manual that alert the reader to assure personal safety, to minimize possible service interruptions, and to warn of the potential for equipment damage.

Table 1: Admonishments

Icon	Description
 <p>DANGER</p>	<p>Danger:</p> <p>(This icon and text indicate the possibility of <i>personal injury</i>.)</p>

Icon	Description
 WARNING	Warning: (This icon and text indicate the possibility of <i>equipment damage</i> .)
 CAUTION	Caution: (This icon and text indicate the possibility of <i>service interruption</i> .)
 TOPPLE	Topple: (This icon and text indicate the possibility of <i>personal injury and equipment damage</i> .)

Related Publications

For information about additional publications that are related to this document, refer to the *Related Publications Reference* document, which is published as a separate document on the Oracle Technology Network (OTN) site. See [Locate Product Documentation on the Oracle Technology Network Site](#) for more information.

My Oracle Support (MOS)

MOS (<https://support.oracle.com>) is your initial point of contact for all product support and training needs. A representative at Customer Access Support (CAS) can assist you with MOS registration.

Call the CAS main number at **1-800-223-1711** (toll-free in the US), or call the Oracle Support hotline for your local country from the list at <http://www.oracle.com/us/support/contact/index.html>. When calling, make the selections in the sequence shown below on the Support telephone menu:

1. Select **2** for New Service Request
2. Select **3** for Hardware, Networking and Solaris Operating System Support
3. Select **2** for Non-technical issue

You will be connected to a live agent who can assist you with MOS registration and provide Support Identifiers. Simply mention you are a Tekelec Customer new to MOS.

MOS is available 24 hours a day, 7 days a week, 365 days a year.

Emergency Response

In the event of a critical service situation, emergency response is offered by the Customer Access Support (CAS) main number at **1-800-223-1711** (toll-free in the US), or by calling the Oracle Support

hotline for your local country from the list at <http://www.oracle.com/us/support/contact/index.html>. The emergency response provides immediate coverage, automatic escalation, and other features to ensure that the critical situation is resolved as rapidly as possible.

A critical situation is defined as a problem with the installed equipment that severely affects service, traffic, or maintenance capabilities, and requires immediate corrective action. Critical situations affect service and/or system operation resulting in one or several of these situations:

- A total system failure that results in loss of all transaction processing capability
- Significant reduction in system capacity or traffic handling capability
- Loss of the system's ability to perform automatic system reconfiguration
- Inability to restart a processor or the system
- Corruption of system databases that requires service affecting corrective actions
- Loss of access for maintenance or recovery operations
- Loss of the system ability to provide any required critical or major trouble notification

Any other problem severely affecting service, capacity/traffic, billing, and maintenance capabilities may be defined as critical by prior discussion and agreement with Oracle.

Locate Product Documentation on the Oracle Technology Network Site

Oracle customer documentation is available on the web at the Oracle Technology Network (OTN) site, <http://docs.oracle.com>. You do not have to register to access these documents. Viewing these files requires Adobe Acrobat Reader, which can be downloaded at www.adobe.com.

1. Log into the Oracle Technology Network site at <http://docs.oracle.com>.
2. Under **Applications**, click the link for **Communications**.
The **Oracle Communications Documentation** window opens with Tekelec shown near the top.
3. Click **Oracle Communications Documentation for Tekelec Products**.
4. Navigate to your Product and then the Release Number, and click the **View** link (the **Download** link will retrieve the entire documentation set).
5. To download a file to your location, right-click the PDF link and select **Save Target As**.

Chapter 2

Roadmap

Topics:

- *Introduction.....10*
- *General Descriptions and Hardware Features....10*
- *User Operations - LEDs.....11*
- *FRU Procedures.....12*

Introduction

Note: Viewing the user online documentation requires Internet access. For the most current user documentation, always reference the latest manufacturer online documentation.

Not all components, features, or documents referenced in this aid may be installed or used. For any questions related to available components or hardware features, contact your Sales representative. For assistance with the content of the referenced user documentation or help with procedures, contact [My Oracle Support \(MOS\)](#).

General Descriptions and Hardware Features

This category directs you to the manufacturer online documentation that provides general descriptions of equipment including hardware features available.

Note: Not all features presented in the manufacturer documentation may be supported by this configuration. Contact [My Oracle Support \(MOS\)](#) for additional information.

- [HP BladeSystem c-Class architecture technology brief](#) provides a general explanation of c-Class architecture and describes how the components within BladeSystem c-Class work together.
- [Oracle's Netra Server X3-2 Server Architecture](#) provides a general explanation of Netra X3-2 architecture and describes how the components within it function.
- [Oracle's Sun Server X4-2 and Sun Server X4-2L System Architecture](#) provides a general explanation of the Netra X4-2 series architecture and describes how the components within it function.
- [Important Safety Information - For Server, Storage, Power, Networking, and Rack Products](#) contains important safety information concerning Server, Storage, Power, Networking, and Rack Products.
- The [HP Intelligent Rack Family User Guide](#) provides additional installation information for the HP642 series cabinet.
- [HP ProLiant Intel-based 300-series G6 and G7 servers](#) describes the key technologies implemented in Intel-based HP ProLiant 300-series G6 and G7 servers.
- [Technologies in the HP BladeSystem c7000 Enclosure](#) describes the HP BladeSystem c7000 Enclosure.
- [HP ProLiant BL460c G6 Server Blade User Guide](#) describes the ProLiant BL460c blade server.
- [HP ProLiant BL460c Gen8 Server Blade User Guide](#) describes the ProLiant BL460c Gen8 blade server.
- [HP ProLiant BL620c G7 Server Blade User Guide](#) describes the ProLiant BL620c blade server.
- [HP ProLiant DL360 G6 Server User Guide](#) describes the HP ProLiant DL360 G6 Server system features and components.
- [HP ProLiant DL360p Gen8 Server User Guide](#) describes the HP ProLiant DL360p Gen8 Server system features and components.
- [HP ProLiant DL380 G6 Server User Guide](#) describes the HP ProLiant DL380 G6 Server system features and components.
- [HP ProLiant DL380p Gen8 Server User Guide](#) describes the HP ProLiant DL380p Gen8 Server system features and components.
- [Netra Server X3-2 Administration Guide](#) describes Oracle's Netra Server X3-2 system features and components.
- [Oracle X4 Series Servers Administration Guide](#) describes the system features and components of the Oracle X4 Server Series.

- [Cisco Catalyst Blade Switch 3020 for HP Hardware Installation Guide](#) describes the Catalyst 3020 switch, as well as system features and components.
- [ProCurve Series 6120 Blade Switches Installation and Getting Started Guide](#) describes the HP ProCurve 6120XG switch, as well as system features and components.
- [Catalyst 4900 Series Switch Installation Guide](#) describes the Cisco Catalyst 4900 series switches, as well as system features and components.
- [Catalyst 4948E and Catalyst 4948E-F Switch Installation Guide](#) describes the Cisco Catalyst 4849E and 4948E-F switches, as well as system features and components.
- [Panduit Air Duct Installation Guide](#) describes the Panduit Air Duct necessary for the Catalyst 4948E-F Switch
- [HP 6125G/XG Ethernet Blade Switch](#) describes the HP 6125G/XG Ethernet Blade switch, as well as system features and components.
- [HP 6125XLG Ethernet Blade Switch](#) describes the HP 6125XLG Ethernet Blade switch, as well as system features and components.
- [1Gb Ethernet Pass-Thru Module](#) describes the 1Gb Ethernet Pass-Thru Module.
- [HP Integrated Lights-Out 3 User Guide](#) describes the HP iLO 3 for ProLiant G7 Servers setup.
- [HP Integrated Lights-Out 4 User Guide](#) describes the HP iLO 4 for ProLiant Gen8 Servers setup.
- [Oracle Integrated Lights Out Manager \(ILOM\) 3.1 User's Guide](#) describes the Oracle ILOM.
- [Telect 125A 8-Position Demarcation panel ±24V/-48V](#) describes the Telect 125A 8-Position Demarcation panel, ±24V/-48V
- [Telect 150A Dual-feed 4/4 TPA/GMT, -48V](#) describes the Telect 150A Dual-feed 4/4 TPA/GMT, -48V.
- [HP 252663 Modular Power Distribution Unit](#) describes the AC Power Distribution Unit.

User Operations - LEDs

This category directs you to specific sections of the manufacturer online documentation on LED indicators for the specified equipment.



Warning: Customers do not perform installation procedures; these procedures are performed by authorized personnel. Contact [My Oracle Support \(MOS\)](#) for assistance with any procedure.



Warning: Performing any procedure not authorized or approved by Oracle may void any or all Oracle warranties. Contact [My Oracle Support \(MOS\)](#) for assistance with any procedure.

- Information describing LED functions of the 3020 switch can be found in this document: [Cisco Catalyst Blade Switch 3020 for HP Hardware Installation Guide](#).
- The LED functions of the Cisco Catalyst 4900 Series Switch can be found in this document: [Catalyst 4900 Series Switch Installation Guide](#).
- The LED functions of the Cisco Catalyst 4948E/4948E-F Switch can be found in this document: [Catalyst 4948E and Catalyst 4948E-F Switch Installation Guide](#).
- The LED functions of the HP ProCurve 6120XG switch can be found in this document: [ProCurve Series 6120 Blade Switches Installation and Getting Started Guide](#).
- [HP 6125G/XG Ethernet Blade Switch](#) describes the HP 6125G/XG Ethernet Blade switch, as well as system features and components.

- [HP 6125XLG Ethernet Blade Switch](#) describes the HP 6125XLG Ethernet Blade switch, as well as system features and components.
- [Panduit Air Duct Installation Guide](#) describes the Panduit Air Duct necessary for the Catalyst 4948E-F Switch
- [HP ProLiant DL360 G6 Server User Guide](#) provides information describing LED functions of the DL 360 G6 server.
- [HP ProLiant DL360p Gen8 Server User Guide](#) provides information describing LED functions of the DL 360p Gen8 server.
- [HP ProLiant DL380 G6 Server User Guide](#) provides information describing LED functions of the DL 380 G6 server.
- [HP ProLiant DL380 Gen8 Server User Guide](#) provides information describing LED functions of the DL 380p Gen8 server.
- See the [HP ProLiant BL460c G6 Server Blade User Guide](#) for information describing LED functions of the BL460c G6 server.
- See the [HP ProLiant BL460c Gen8 Server Blade User Guide](#) for information describing LED functions of the BL460c Gen8 server.
- [HP ProLiant DL320e Generation 8 v2 User Guide](#) describes the HP ProLiant DL320e Gen8 v2 Server system features and components.
- [Netra Server X3-2 Administration Guide](#) describes Oracle's Netra Server X3-2 system features and components.
- [Oracle X4 Series Servers Administration Guide](#) describes the system features and components of the Oracle X4 Server Series.
- [Netra Server X3-2 Installation Guide](#) provides information describing LED Functions on the Netra Server X3-2.
- [Sun Server X4-2 installation Guide](#) provides information describing LED Functions on the Sun Server X4-2.
- The [HP Integrated Lights-Out 3 User Guide](#) provides information describing LED functions of the HP iLO 3 for ProLiant G7 Servers.
- The [HP Integrated Lights-Out 4 User Guide](#) provides information describing LED functions of the HP iLO 4 for ProLiant Gen8 Servers.
- The [Oracle Integrated Lights Out Manager \(ILOM\) 3.1 User's Guide](#) describes the Oracle ILOM.
- [Telect 125A 8-Position Demarcation panel ±24V/-48V](#) describes the Telect 125A 8-Position Demarcation panel, ±24V/-48V
- [Telect 150A Dual-feed 4/4 TPA/GMT, -48V](#) describes the Telect 150A Dual-feed 4/4 TPA/GMT, -48V.

FRU Procedures



Caution: The procedures presented are for informational purposes only. Contact [My Oracle Support \(MOS\)](#) for replacement of any FRUs.

FRU Procedures Performed By Customer

The following are FRU procedures customers may be authorized to perform. Contact [My Oracle Support \(MOS\)](#) for assistance with any procedure.



Warning: Performing any procedure not authorized or approved by Oracle may void any or all Oracle warranties.

WARNING

- [Hot-plug SAS hard drive removal and replacement of the HP ProLiant DL360 G6 Server Maintenance and Service Guide](#)
- [Hot-plug SAS hard drive removal and replacement of the HP ProLiant DL380 G6 Server Maintenance and Service Guide](#)
- [Hot-plug power supply removal and replacement of the HP ProLiant DL360 G6 Server Maintenance and Service Guide](#)
- [Hot-plug power supply removal and replacement of the HP ProLiant DL380 G6 Server Maintenance and Service Guide](#)
- [Hot-plug power supply removal and replacement of the HP BladeSystem c7000 Enclosure Maintenance and Service Guide](#)
- [Hot-plug SAS hard drive removal and replacement of the HP ProLiant DL360p Gen8 Server Maintenance and Service Guide](#)
- [Hot-plug SAS hard drive removal and replacement of the HP ProLiant DL380p Gen8 Server Maintenance and Service Guide](#)
- [Hot-plug power supply removal and replacement of the HP ProLiant DL360p Gen8 Server Maintenance and Service Guide](#)
- [Hot-plug power supply removal and replacement of the HP ProLiant DL380p Gen8 Server Maintenance and Service Guide](#)

FRU Procedures Performed By Oracle Personnel

The following are cabinet-level FRU procedures only performed by authorized Oracle personnel.



Warning: Customers do not perform these procedures; these procedures are performed by Oracle authorized personnel.

WARNING



Warning: Performing any procedure not authorized or approved by Oracle may void any or all Oracle warranties.

WARNING

- To remove the ProLiant DL360 G6 Server from the rack, use [HP ProLiant DL360 G6 Server Maintenance and Service Guide](#).
- To remove the ProLiant DL380 G6 Server from the rack, use [HP ProLiant DL380 G6 Server Maintenance and Service Guide](#).
- To remove the ProLiant DL360 Gen8 Server from the rack, use of [HP ProLiant DL360 Gen8 Server Maintenance and Service Guide](#).
- To remove the ProLiant DL380 G8 Server from the rack, use [HP ProLiant DL380 Gen8 Server Maintenance and Service Guide](#).
- To remove servers from the HP BladeSystem c7000, use [HP BladeSystem c7000 Enclosure Maintenance and Service Guide](#).
- To remove the Catalyst 4900 Series Switch from the rack, use [Catalyst 4900 Series Switch Installation Guide](#).
- To remove the Catalyst 3020 Blade Switch, use [Catalyst Blade Switch 3020 for HP Hardware Installation Guide](#).

- To remove the HP 6125G/XG, use [HP 6125G & 6125G/XG Blade Switches Installation Guide](#).
- To remove the HP 6125XLG, use [HP 6125XLG Blade Switch Installation Guide](#).
- To remove the AC Power Distribution Unit ([HP 252663-D72 or 252663-B31 Modular Power Distribution Unit](#))
 - To remove the AC PDU extension bar ([Extension Bars, HP 252663-D72 or 252663-B31 Modular Power Distribution Unit](#))