

# Oracle Dual Port QDR InfiniBand Adapter M3

## Product Notes



Part No.: E40986-01  
September 2013

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# Using This Documentation

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This document provides late-breaking news and issues about the installation and use of Oracle's Oracle Dual Port QDR InfiniBand Adapter M3. Also, this document includes instructions for downloading and applying software and firmware updates and releases.

- "Related Documentation" on page v
- "Feedback" on page vi
- "Support and Accessibility" on page vi

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## Related Documentation

Documentation	Link
All Oracle products	<a href="http://www.oracle.com/">http://www.oracle.com/</a>
Oracle Dual Port QDR InfiniBand Adapter M3	<a href="http://docs.oracle.com/cd/E40985_01">http://docs.oracle.com/cd/E40985_01</a>
Oracle Integrated Lights Out Manager (ILOM)	<a href="http://www.oracle.com/goto/ILOM/docs">http://www.oracle.com/goto/ILOM/docs</a>
Oracle Solaris 11 OS	<a href="http://www.oracle.com/goto/Solaris11/docs">http://www.oracle.com/goto/Solaris11/docs</a>
Oracle VM Server for SPARC	<a href="http://www.oracle.com/goto/VM-SPARC/docs">http://www.oracle.com/goto/VM-SPARC/docs</a>
Oracle VTS	<a href="http://www.oracle.com/goto/VTS/docs">http://www.oracle.com/goto/VTS/docs</a>

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# Feedback

Provide feedback about this documentation at:

[http://www.oracle.com/goto/DUAL\\_PORT\\_QDR\\_INFINIBAND\\_M3/docs](http://www.oracle.com/goto/DUAL_PORT_QDR_INFINIBAND_M3/docs)

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# Support and Accessibility

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Description	Links
Access electronic support through My Oracle Support	<a href="http://support.oracle.com">http://support.oracle.com</a>  For hearing impaired: <a href="http://www.oracle.com/accessibility/support.html">http://www.oracle.com/accessibility/support.html</a>
Learn about Oracle's commitment to accessibility	<a href="http://www.oracle.com/us/corporate/accessibility/index.html">http://www.oracle.com/us/corporate/accessibility/index.html</a>
Find out about training	<a href="http://education.oracle.com">http://education.oracle.com</a>

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# Updates and Releases

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- [“Initial Release” on page 1](#)
- [“Known Issues” on page 1](#)
- [“Supported Platforms and Operating Systems” on page 2](#)

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## Initial Release

The initial firmware release is 2.11.1280. Check the MOS site for updates and newer releases.

See [“Download Firmware and Software Using My Oracle Support” on page 5](#).

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## Known Issues

The following are known issues with the adapter and related software and systems.

### High PortXmitWait Error Counters When Running RDS-Stress Test (16607879)

On X4-2 and X4-2L servers, while running with high throughput on RDMA over Infiniband using Oracle Dual Port QDR InfiniBand Adapter M3, the PortXmitWait counters show a high value without noticeable performance loss or other noticeable issues. This output can be safely ignored.

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# Supported Platforms and Operating Systems

Before installing an adapter, ensure that your platform and OS releases are supported:

Oracle Solaris 11.1 SRU9 is supported. Additional OSs and platforms will be supported in subsequent releases.

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Platform	OS
X4-2	OEL 6.4, OVM 3.2.1
X4-2L	OEL 6.4, OVM 3.2.1

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**Note** – Oracle Solaris 10 OS is unsupported for the initial release of the adapter.

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For the most current list of supported platforms and OS, go to:

<https://wikis.oracle.com/display/SystemsComm/Home>

For the most current documentation of this adapter, go to:

[http://docs.oracle.com/cd/E40985\\_01/](http://docs.oracle.com/cd/E40985_01/)



# Getting Firmware and Software

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This section explains the options for accessing firmware and software.

Description	Links
Learn about firmware and software updates.	<a href="#">“Firmware and Software Updates” on page 3</a>
Learn about the options for accessing firmware and software.	<a href="#">“Firmware and Software Access Options” on page 4</a>
View the available firmware and software packages.	<a href="#">“Available Software Release Packages” on page 4</a>
Access the firmware and software packages through My Oracle Support or physical media request.	<a href="#">“Accessing Firmware and Software” on page 5</a>
Install firmware and software updates.	<a href="#">“Installing Updates” on page 9</a>

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## Firmware and Software Updates

Firmware and software are updated periodically. Updates are made available as a software release. The software release is a set of downloads (patches) that include all available firmware, hardware drivers, and utilities. All these have been tested together.

Update your firmware and software as soon as possible after the software release becomes available. Software releases often include bug fixes, and updating ensures that your software is compatible with the latest chassis firmware and other chassis component firmware and software.

A Read Me file in the download package and this *Oracle Dual Port QDR InfiniBand Adapter M3 Product Notes* contain information about the updated files in the download package, as well as bugs that are fixed with the current release. The product notes also provide information about which software versions are supported with the latest firmware.

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# Firmware and Software Access Options

Use one of the following options to obtain the latest set of firmware and software:

- **My Oracle Support** – All system firmware and software are available from My Oracle Support at <http://support.oracle.com>.

For more information about what is available on the My Oracle Support, see “[Available Software Release Packages](#)” on page 4

For instructions on how to download software releases from My Oracle Support, see: “[Download Firmware and Software Using My Oracle Support](#)” on page 5

- **Physical media request (PMR)** – You can request a DVD that contains any of the downloads (patches) available from My Oracle Support.

For information see: “[Request Physical Media \(Online\)](#)” on page 7

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## Available Software Release Packages

Downloads on My Oracle Support are grouped by product family, then product, then version. The version contains one or more downloads (patches).

Each of the downloads is a zip file that contains a Read Me and a set of subdirectories containing firmware or software files. The Read Me file contains details on the components that have changed since the prior software release and the bugs that have been fixed.

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# Accessing Firmware and Software

This section covers instructions for downloading or requesting software release files.

There are two other methods for obtaining updated firmware and software.

- “Download Firmware and Software Using My Oracle Support” on page 5
- “Requesting Physical Media” on page 6

## ▼ Download Firmware and Software Using My Oracle Support

1. **Go to:** <http://support.oracle.com>
2. **Sign in to My Oracle Support.**
3. **At the top of the page, click the Patches and Updates tab.**  
The Patches and Updates screen is displayed.
4. **In the Search screen, click Product or Family (Advanced Search).**  
The screen is displayed with search fields.
5. **In the Product field, select the product from the drop-down list.**  
“Oracle Dual Port QDR InfiniBand Adapter M3”  
Alternatively, type a full or partial product name until a match is displayed.
6. **In the Release field, select a software release from the drop-down list.**  
Expand the folders to see all available software releases.
7. **Click Search.**  
The software release comprises a set of downloads (patches).  
See “Available Software Release Packages” on page 4
8. **To select a patch, click the check box next to the patch name (you can select more than one patch).**  
A pop-up action panel is displayed. The panel contains several action options.

9. To download the update, click **Download** in the pop-up panel.

The download begins automatically.

10. To install firmware, refer to the **Oracle Dual Port QDR InfiniBand Adapter M3 User's Guide**.

## Requesting Physical Media

If your processes do not allow downloads from Oracle web sites, you can access the latest software release through a physical media request (PMR).

The following table describes the high-level tasks for making a physical media request and provides links for further information.

Description	Link
Gather information you will need to provide for the request.	<a href="#">"Gathering Information for the Physical Media Request" on page 6</a>
Make the physical media request either online or by calling Oracle Support.	<a href="#">"Request Physical Media (Online)" on page 7</a> <a href="#">"Request Physical Media (by Phone)" on page 8</a>

## Gathering Information for the Physical Media Request

You must have a warranty or support contract for your product in order to make a physical media request (PMR).

Before you make the PMR, gather the following information:

- **Obtain product name, software release version, and patches required.** It will be easier to make the request if you know the latest software release and the name of the download packages (patches) that you are requesting.
  - *If you have access to My Oracle Support* — Follow the instructions in ["Download Firmware and Software Using My Oracle Support" on page 5](#)
  - *If you do not have access to My Oracle Support* — Use the information in ["Available Software Release Packages" on page 4](#)
- **Have the shipping information ready.** You will need to provide a contact, phone number, email address, company name and shipping address for the request.

## ▼ Request Physical Media (Online)

Gather the information described in “Gathering Information for the Physical Media Request” on page 6

1. Go to <http://support.oracle.com> and sign in.
2. Click on the Contact Us link in the upper right corner of the page.
3. In the Request Description section, fill in the following:
  - a. From the Request Category drop-down list, select the following:  
Physical Media Request (Legacy Oracle Products, Primavera, BEA, Sun Products)
  - b. In the Request Summary field, type:

**PMR for latest software release for Oracle Dual Port QDR InfiniBand Adapter M3**

4. In the Request Details section, answer the questions shown in the following table:

Question	Your Answer
Is this a physical software media shipment request?	Yes
Which product line does the media request involve?	Oracle Products
Are you requesting a required password for a patch download?	No
Are you requesting a patch on CD/DVD?	Yes
If requesting a patch on CD/DVD, please provide the patch number and OS/platform?	Type the patch number for each download that you want from the software release.
List the product name and version requested for the physical media shipment?	<i>Product Name:</i> Oracle Dual Port QDR InfiniBand Adapter M3. <i>Version:</i> Latest software release number.
What is the OS/platform for the requested media?	If you are requesting OS-specific downloads, specify the OS here. If you are requesting system firmware only, type Generic.
Are any languages required for this shipment?	No

5. Fill in the Ship-To contact, phone number, email address, company name, and shipping address information.
6. Click Next.
7. Under Relevant Files, type:

Knowledge Article 1361144.1

8. Click Submit.

## ▼ Request Physical Media (by Phone)

Gather the information described in “[Gathering Information for the Physical Media Request](#)” on page 6

1. Call Oracle support, using the appropriate number from the Oracle Global Customer Support Contacts Directory:  
<http://www.oracle.com/us/support/contact-068555.html>
2. Tell Oracle support that you want to make a physical media request (PMR) for the Oracle Dual Port QDR InfiniBand Adapter M3.
  - If you are able to access the specific software release and patch number information from My Oracle Support, provide this information to the support representative.
  - If you are not able to access the software release information, request the latest software release for the Oracle Dual Port QDR InfiniBand Adapter M3.

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# Installing Updates

This section provides information about installing firmware and software updates:

- “Installing Firmware” on page 9
- “Installing Hardware Drivers and OS Tools” on page 9

## Installing Firmware

Updated firmware can be installed using one of the following:

- **Oracle Enterprise Manager Ops Center** – Ops Center Enterprise Controller can automatically download the latest firmware from Oracle, or firmware can be loaded manually into the Enterprise Controller. In either case, Ops Center can install the firmware onto one or more server modules, blades, or chassis.

For more information, go to:

<http://www.oracle.com/technetwork/oem/ops-center/index.html>.

- **Oracle Hardware Management Pack** – The fwupdate CLI tool within the Oracle Hardware Management Pack can be used to update firmware within the system.

For more information, go to:

[http://docs.oracle.com/cd/E20451\\_01/index.html](http://docs.oracle.com/cd/E20451_01/index.html).

- **Oracle ILOM** – Oracle ILOM and BIOS firmware are the only firmware that can be updated using the Oracle ILOM web interface and Oracle ILOM CLI.

For more information, go to:

<http://www.oracle.com/pls/topic/lookup?ctx=ilom31>

## Installing Hardware Drivers and OS Tools

Updated hardware drivers and operating system (OS)-related tools, such as the Oracle Hardware Management Pack, can be installed using one of the following:

- Oracle Enterprise Manager Ops Center

For more information, go to:

<http://www.oracle.com/technetwork/oem/ops-center/index.html>

- Other deployment mechanisms such as JumpStart, Kickstart or third-party tools.

For more information, see your OS documentation.

