

Sun x4 PCIe Quad Gigabit Ethernet ExpressModule

Release Notes



Part No. 820-3085-11
May 2010, Revision A

Copyright © 2008, 2010, Oracle and/or its affiliates. All rights reserved..

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related software documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS. Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, duplication, disclosure, modification, and adaptation shall be subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License (December 2007). Oracle America, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications which may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. UNIX is a registered trademark licensed through X/Open Company, Ltd.

This software or hardware and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Copyright © 2008, 2010, Oracle et/ou ses affiliés. Tous droits réservés.

Ce logiciel et la documentation qui l'accompagne sont protégés par les lois sur la propriété intellectuelle. Ils sont concédés sous licence et soumis à des restrictions d'utilisation et de divulgation. Sauf disposition de votre contrat de licence ou de la loi, vous ne pouvez pas copier, reproduire, traduire, diffuser, modifier, breveter, transmettre, distribuer, exposer, exécuter, publier ou afficher le logiciel, même partiellement, sous quelque forme et par quelque procédé que ce soit. Par ailleurs, il est interdit de procéder à toute ingénierie inverse du logiciel, de le désassembler ou de le décompiler, excepté à des fins d'interopérabilité avec des logiciels tiers ou tel que prescrit par la loi.

Les informations fournies dans ce document sont susceptibles de modification sans préavis. Par ailleurs, Oracle Corporation ne garantit pas qu'elles soient exemptes d'erreurs et vous invite, le cas échéant, à lui en faire part par écrit.

Si ce logiciel, ou la documentation qui l'accompagne, est concédé sous licence au Gouvernement des Etats-Unis, ou à toute entité qui délivre la licence de ce logiciel ou l'utilise pour le compte du Gouvernement des Etats-Unis, la notice suivante s'applique :

U.S. GOVERNMENT RIGHTS. Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, duplication, disclosure, modification, and adaptation shall be subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License (December 2007). Oracle America, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

Ce logiciel ou matériel a été développé pour un usage général dans le cadre d'applications de gestion des informations. Ce logiciel ou matériel n'est pas conçu ni n'est destiné à être utilisé dans des applications à risque, notamment dans des applications pouvant causer des dommages corporels. Si vous utilisez ce logiciel ou matériel dans le cadre d'applications dangereuses, il est de votre responsabilité de prendre toutes les mesures de secours, de sauvegarde, de redondance et autres mesures nécessaires à son utilisation dans des conditions optimales de sécurité. Oracle Corporation et ses affiliés déclinent toute responsabilité quant aux dommages causés par l'utilisation de ce logiciel ou matériel pour ce type d'applications.

Oracle et Java sont des marques déposées d'Oracle Corporation et/ou de ses affiliés. Tout autre nom mentionné peut correspondre à des marques appartenant à d'autres propriétaires qu'Oracle.

AMD, Opteron, le logo AMD et le logo AMD Opteron sont des marques ou des marques déposées d'Advanced Micro Devices. Intel et Intel Xeon sont des marques ou des marques déposées d'Intel Corporation. Toutes les marques SPARC sont utilisées sous licence et sont des marques ou des marques déposées de SPARC International, Inc. UNIX est une marque déposée concédée sous licence par X/Open Company, Ltd.

Ce logiciel ou matériel et la documentation qui l'accompagne peuvent fournir des informations ou des liens donnant accès à des contenus, des produits et des services émanant de tiers. Oracle Corporation et ses affiliés déclinent toute responsabilité ou garantie expresse quant aux contenus, produits ou services émanant de tiers. En aucun cas, Oracle Corporation et ses affiliés ne sauraient être tenus pour responsables des pertes subies, des coûts occasionnés ou des dommages causés par l'accès à des contenus, produits ou services tiers, ou à leur utilisation.



Sun x4 PCIe Quad Gigabit Ethernet Express Module Release Notes

This document contains release notes for the initial release of the Sun x4 PCIe Quad Gigabit Ethernet Express Module from Oracle.

This document includes the following sections.

- [Operating With the Sun SPARC Enterprise T6320](#)
- [Known Bugs](#)
- [Documentation Errata](#)

Operating With the Sun SPARC Enterprise T6320

Even if all required patches are installed on Solaris 10 8/07 OS, a Sun SPARC Enterprise T6320 server might not recognize an installed Sun x4 PCIe Quad Gigabit Ethernet Express Module if POST is configured to run the `pci-id` test.

Issue either of the following commands from ALOM to turn off the `pci-id` POST test.

```
sc> set diag_level to min
sc> set diag_mode to off
```

Known Bugs

This section describes known software bugs at the time of this release that you might notice, or that can affect the operation of the Sun x4 PCIe Quad Gigabit Ethernet Express Module with some servers.

SunVTS netlbttest Failure

The SunVTS `netlbttest` loopback test fails on some servers that have an installed Sun x4 PCIe Quad Gigabit Ethernet Express Module.

Workaround: None

[6521984]

SunVTS Test Fails With “Not received any packets in loopback mode” Message

SunVTS loopback test fails on some servers that have an installed Sun x4 PCIe Quad Gigabit Ethernet Express Module.

Workaround: None

[6619929]

“e1000g Driver Does Not Support 10D5 Device” Message

The Sun x4 PCIe Quad Gigabit Ethernet Express Module will not operate under Solaris 10 8/07 OS unless Patch-ID 128029-03, or later, is installed on SPARC-based blade servers, and Patch-ID 128028-02, or later, must be installed to provide necessary driver software on x86-based blade servers.

You can download the latest version of the patches from the following website:

<http://sunsolve.sun.com>

If the patches are not available on SunSolve, contact your local sales or service representative.

[6554976]

“netperf: Data Send Error: FAILED:: Broken Pipe” Message

This error may show up under some unusual cases of the Sun x4 PCIe Quad Gigabit Ethernet Express Module being stressed under extremely heavy loads.

Workaround: None.

[6560679]

Sun x4 PCIe Quad Gigabit Ethernet Express Module Failure to Communicate

If a Sun x4 PCIe Quad Gigabit Ethernet Express Module is configured with two trunks, with two interfaces per trunk, through a switch, the client and server cannot communicate with each other while using those two trunks.

Workaround: Either connect the trunk with back-to-back connections, or configure the trunk with four interfaces through the switch.

[6611677]

Documentation Errata

Replace any references in *Sun x4 PCIe Quad Gigabit Ethernet ExpressModule User's Guide*, 820-3084-11, to "Solaris 10u4" to the correct "Solaris 10 8/07 OS".