



# Solaris™ 9 x86 Support for the `g1m` Device Driver and the Sun Dual Gigabit Ethernet and Dual SCSI/P Adapter

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The Sun Dual Gigabit Ethernet and Dual SCSI/P adapter and the `g1m` device driver software are now supported by the Solaris 9 x86 Operating System on Opteron platforms such as the Sun Fire™ V20z and V40z.

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**Note** – On the current release of the Sun Fire V20z, the Sun Dual Gigabit Ethernet and Dual SCSI/P adapter *must* be installed in the long PCI slot due to mechanical interference with the standoff used for support in the short PCI slot.

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## What's New

- This version of the `g1m` driver provides support for the Solaris 9 x86 Operating Systems and the Sun Dual Gigabit Ethernet and Dual SCSI/P adapter.
- SCSI storage system support under the Solaris 9 x86 Operating System is currently limited to StorEdge™ 3310-JBOD and 3310-RAID systems.

## Downloading the Software

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**Note** – The Sun GigaSwift Ethernet driver software is included in Solaris 9 x86 07/2004 Operating System and subsequent compatible versions. The `g1m` driver software is available only through the download center for *all* current Solaris 9 releases.

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You can download the `g1m` driver software that is compatible with the Solaris 9 x86 Operating System from the download center:

<http://www.sun.com/software/download/drivers.html>

Follow the online download instructions.

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**Note** – The following features are not currently supported in the Solaris 9 x86 Operating System: jumbo frames, Sun Trunking, SunVTS diagnostics, booting over the net, selftest at the BIOS level.

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## ▼ To Install the glm Device Driver Software

1. At the system console, become superuser (root).
2. Change to the directory where the downloaded files reside:

```
# cd /media_path/
```

Where *media\_path* = is the path to the directory where you downloaded the driver from the Sun download center

3. Uncompress the archived (zip) glm driver software:

```
# unzip sun_glm_driver.zip
Archive:  sun_glm_driver.zip
  creating: sun_glm_driver/
  creating: sun_glm_driver/Solaris_9/
  creating: sun_glm_driver/Solaris_9/i386/
  creating: sun_glm_driver/Solaris_9/i386/Packages/
  creating: sun_glm_driver/Solaris_9/i386/Packages/SUNWpd/
  inflating: sun_glm_driver/Solaris_9/i386/Packages/SUNWpd/pkgmap
  inflating: sun_glm_driver/Solaris_9/i386/Packages/SUNWpd/pkginfo
    creating: sun_glm_driver/Solaris_9/i386/Packages/SUNWpd/install/
  inflating: sun_glm_driver/Solaris_9/i386/Packages/SUNWpd/install/copyright
  inflating: sun_glm_driver/Solaris_9/i386/Packages/SUNWpd/install/depend
  inflating: sun_glm_driver/Solaris_9/i386/Packages/SUNWpd/install/postinstall
  inflating: sun_glm_driver/Solaris_9/i386/Packages/SUNWpd/install/postremove
  inflating: sun_glm_driver/Solaris_9/i386/Packages/SUNWpd/install/preinstall
    creating: sun_glm_driver/Solaris_9/i386/Packages/SUNWpd/reloc/
    creating: sun_glm_driver/Solaris_9/i386/Packages/SUNWpd/reloc/kernel/
    creating: sun_glm_driver/Solaris_9/i386/Packages/SUNWpd/reloc/kernel/drv/
  inflating: sun_glm_driver/Solaris_9/i386/Packages/SUNWpd/reloc/kernel/drv/glm
  inflating: sun_glm_driver/License
  inflating: sun_glm_driver/Copyright
```

4. Install the packages:

```
# pkgadd -d sun_glm_driver/Solaris_9/i386/Packages
The following packages are available:
  1  SUNWpd      PCI Drivers
      (i386) 11.9.0,REV=2004.08.04.22.15

Select package(s) you wish to process (or 'all' to process
all packages). (default: all) [?,??,q]:
```

5. Press Return to accept the default and install the glm device driver.
6. Reboot the system:

```
ok boot -r
```

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## 7. Verify the software installation.

Use the `modinfo` command to verify that you have the current driver (v1.191 or later) installed:

```
# modinfo | grep glm
45 fea9b9d4 eb28 122 1 glm (GLM SCSI HBA Driver 1.191.)
```

Once you verify that you have installed the correct version of the driver, your installation is complete.

## Accessing Sun Documentation

You can view, print, or purchase a broad selection of Sun documentation, including localized versions, at:

<http://www.sun.com/documentation>

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*Solaris x86 Support for the glm Device Driver and the Sun Dual Gigabit Ethernet and Dual SCSI/P Adapter*, part number 819-0500-10

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Part No. 819-0500-10, Rev. A  
August 2004