



Sun™ Dual FastEthernet/SCSI 6U CompactPCI Adapter With PMC Product Notes

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Sun Dual FastEthernet/SCSI 6U CompactPCI Adapter With PMC Product Notes

This document gives late-breaking information for the Sun™ Dual FastEthernet/SCSI 6U CompactPCI adapter with PMC.

Note – This version of the product notes refers to the adapter part numbers X6752A and X1339A.

Removing SCSI Devices From the Adapter

If you are using the Solaris™ 8 6/00 operating environment, you must install a patch before you can remove SCSI devices from the adapter.

Contact your Sun service representative to obtain the Solaris patch for this bug (patch ID number 108528-03 and future revisions).

After installing the patch, follow the instructions for connecting SCSI devices in the *Sun Dual FastEthernet/SCSI 6U CompactPCI Adapter With PMC Installation and User's Guide* (806-6042).

Note – If you are using the Solaris 8 10/00 operating environment, you do not need this patch.

QFE Driver Patch

The Sun Quad FastEthernet™ (qfe) device driver was designed for adapters with four Ethernet interfaces. You must install a Solaris patch before the Solaris software will recognize the Sun Dual FastEthernet/SCSI 6U CompactPCI adapter with PMC's two qfe interfaces.

This patch applies to both the Solaris 8 6/00 and Solaris 8 10/00 operating environments. Contact your Sun service representative to obtain the Solaris patch for this bug (patch ID number 108528-04 and future revisions).

qfe.conf File

Currently, `qfe.conf` file parameters are not used by the driver during hot swap. You must install a Solaris patch so that the `qfe.conf` file will be recognized during hot swap and after reboot. Once this patch is installed, you can use the `qfe.conf` file to set qfe device driver parameters.

This patch applies to the Solaris 8 6/00 and the Solaris 8 10/00 operating environments. Contact your Sun service representative to obtain the Solaris patch for this bug (patch ID number 108528-05 and future revisions).

Until the patch is released, use the `ndd` utility as specified in the *Sun Dual FastEthernet/SCSI 6U CompactPCI Adapter With PMC Installation and User's Guide* (806-6042) to set qfe device driver parameters.

PCI Mezzanine Cards

Sun does not currently provide PCI mezzanine cards (PMCs) with the Sun Dual FastEthernet/SCSI 6U CompactPCI adapter with PMC.

Contact your Sun service representative for more information about how to choose a PMC that is compatible with the adapter.

Full Hot-Swap

If your system has been set to full hot-swap mode, you must use the following procedure when installing the adapter (refer to your server documentation to determine if your server is set to full hot-swap mode):

1. **Install the adapter as specified in *Sun Dual FastEthernet/SCSI 6U CompactPCI Adapter With PMC Installation and User's Guide (806-6042)*.**
2. **Locate the hot-swap LED on the front card.**

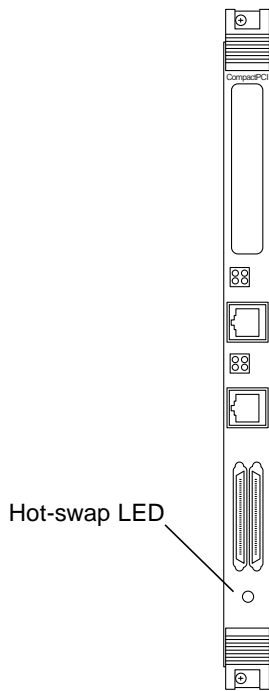


FIGURE 1 Location of the Hot-Swap LED on the Front Card

3. **If the hot-swap LED is OFF (unlit), the I/O slots in the server are set to full hot-swap, and the adapter is activated.**



Caution – Make sure to complete Step 4. This is a workaround for a Solaris bug that will cause the system to hang.

4. Use the `cfgadm -al` command to verify that the adapter is attached to the server.

For more information on using the `cfgadm` command, refer to *Sun Dual FastEthernet/SCSI 6U CompactPCI Adapter With PMC Installation and User's Guide* (806-6042) and the `cfgadm (1M)` man page.

Improving qfe Interface Performance

To improve the performance of the adapter's qfe interface:

1. Add the following line to the `/etc/system` file:

```
set db21554:s_cache_line_size = 0x10
```

2. Reboot the system.

Refer to the Sun bug ID number 4380262 for more information on this qfe performance issue.

Screwdriver Needed for Installation

The “Installing the Adapter” chapter of the *Sun Dual FastEthernet/SCSI 6U CompactPCI Adapter With PMC Installation and User's Guide* (806-6042) has been updated.

The first bullet in the “Tools and Equipment” section reads:

- You will need a No. 0 Phillips screwdriver.

The correct information is:

- You will need a No. 2 Phillips or a small flathead screwdriver.

Rear-Access Adapter Part Number

The “Declaration of Conformity” section of the *Sun Dual FastEthernet/SCSI 6U CompactPCI Adapter With PMC Installation and User’s Guide* (806-6042) has been updated.

The product name reads:

Sun Dual Fast Ethernet/SCSI 6U CPCI Adapter with PMC (X1332A & X1339A)

The correct information is:

Sun Dual Fast Ethernet/SCSI 6U CPCI Adapter with PMC (X6752A & X1339A)

Midplane Connectors

The adapter midplane connectors conform to the PICMG 2.0 R3.0 specification.

Ethernet Port Pin Descriptions

The RJ-45 Ethernet connector pin descriptions are not correctly described in Appendix A of the *Sun Dual FastEthernet/SCSI 6U CompactPCI Adapter With PMC Installation and User's Guide* (806-6042).

TABLE 1 shows the correct pin descriptions for the Ethernet connectors.

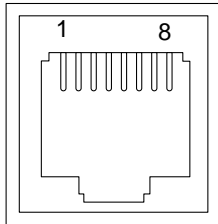


FIGURE 2 Ethernet Connector Pins

TABLE 1 Pin Descriptions for the Two 8-Pin RJ-45 Connectors (Ports 0 to 1)

Description	Port 0	Port 1
TD+	1	1
TD-	2	2
RD+	3	3
Not Used	4	4
Not Used	5	5
RD-	6	6
Not Used	7	7
Not Used	8	8