



# Sun Quad FastEthernet™ 6U CompactPCI Adapter Product Note

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# Declaration of Conformity

Compliance ID: QFE6Uc

Product Name: Sun Quad FastEthernet™ 6U CompactPCI Adapter (Rear Cable-Access)

This product has been tested and complies with the following rules and requirements.

## EMC

### USA—FCC Class A

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

### European Union—EC

This equipment complies with the following requirements of the EMC Directive 89/336/EEC:

EN55022/CISPR22 (1985)		Class A
EN50082-1	IEC801-2 (1991)	4 kV (Direct), 8 kV (Air)
	IEC801-3 (1984)	3 V/m
	IEC801-4 (1988)	1.0 kV Power Lines, 0.5 kV Signal Lines
EN61000-3-2/IEC1000-3-2 (1994)		Pass

## Safety

This equipment complies with the following requirements of the Low Voltage Directive 73/23/EEC:

EC Type Examination Certificates:

EN60950/IEC950 (1993)

EN60950 w/Nordic Deviations

## Supplementary Information

This product was tested and complies with all the requirements for the CE Mark (when connected to a Sun workstation or server).

/S/

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# Declaration of Conformity

Compliance ID: QFE3Uc

Product Name: Sun Quad FastEthernet™ 6U CompactPCI Adapter (Front Cable-Access)

This product has been tested and complies with the following rules and requirements.

## EMC

### USA—FCC Class A

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

### European Union—EC

This equipment complies with the following requirements of the EMC Directive 89/336/EEC:

EN55022/CISPR22 (1985)		Class A
EN50082-1	IEC801-2 (1991)	4 kV (Direct), 8 kV (Air)
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## Late-Breaking News and Documentation

For late-breaking news on the Sun Quad FastEthernet™ 6U CompactPCI adapter and to find documentation and product information for the Netra™ product line, visit this website:

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

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## Screwdriver for Adapter Installation

A No. 2 Phillips screwdriver is required for installation of either the front- or rear-access Sun Quad FastEthernet 6U CompactPCI adapter.

In the *Sun Quad FastEthernet 6U CompactPCI Adapter Installation and User's Guide*, substitute the words "No. 2 Phillips screwdriver" wherever the words "No. 0 Phillips screwdriver" appear.

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## 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 Update 1 and the Solaris 8 Update 2 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 Quad FastEthernet 6U CompactPCI Adapter Installation and User's Guide* to set `qfe` device driver parameters.

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## Conflicts With FastEthernet Switches (100BASE-T)

There are two FastEthernet (100BASE-T) switches that may present difficulties when working with the Sun Quad FastEthernet 6U CompactPCI adapter:

- Bay Networks model 28115/ADV
- SynOptics model 28115

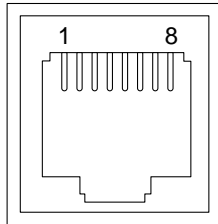
These two switches do not support autonegotiation, which is a protocol that the adapter uses to set the link speed (100 Mbps or 10 Mbps) and link mode (half-duplex or full-duplex). You must disable the autonegotiation protocol and force the link speed and mode using the `ndd` utility or by creating a `qfe.conf` file. Refer to the *Sun Quad FastEthernet 6U CompactPCI Adapter Installation and User's Guide* for instructions on forcing the link speed and mode.

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# Ethernet Port Pin Descriptions

The RJ-45 Ethernet connector pin descriptions are not correctly described in Appendix A of the *Sun Quad FastEthernet 6U CompactPCI Adapter Installation and User's Guide*.

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



**FIGURE 1** Ethernet Connector Pins

**TABLE 1** Pin Descriptions for the Four 8-Pin RJ-45 Connectors (Ports 0 to 3)

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

