

## Specifications

### Power

- + 5 Volts  $\pm$  5%, 2.2 amps maximum
- + 12 Volts  $\pm$  5%, 0 amps
- - 12 Volts  $\pm$  5%, 0 amps

### Environmental

Attribute	Values
Temperature	10° C to 55° C
Relative Humidity	5% to 95%, non-condensing
Air Movement	30 CFM Forced
Altitude	0 to 12,000 feet

### Mechanical

Attribute	Value
Length	6.875 inches
Width	.860 inches
Height	4.2 inches
Weight	5.8 ounces

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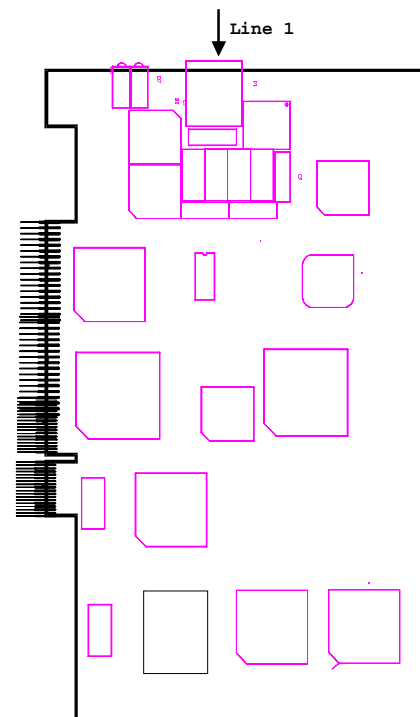
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## DataFire PRIme (PCI)

## Installation Card



## Installing the Adapter

### Before you begin

Before installing the PRIme adapter, you should do the following:

- Record the adapter's serial number, which will enable Digi to provide you with better service, should the need arise.
- Unplug the PC.
- Discharge static electricity from your body by touching a grounded surface (prior to handling the adapter).
- Put a ground strap on to ground yourself. (If one is not available, ground yourself by touching an unpainted metal surface, such as the computer's chassis.)

### Procedure

1. Install the adapter.
  - a. Remove the computer's cover.
  - b. Locate an available PCI slot in your computer and remove the slot plate.
  - c. Insert the adapter into the slot and screw the endplate to the computer chassis. The endplate must be screwed into the computer chassis to remain in compliance with Part 15 of FCC rules.
  - d. Replace the computer's cover.
2. Connect the cable to the adapter.
3. Connect the other end of the cable to an RJ45 jack (which provides connection to the PRI line).

### What next

Install, configure, and load the Digi driver. Once you load the driver, you can monitor the adapter self test. Descriptions of the LEDs used in the self test appear on this card.

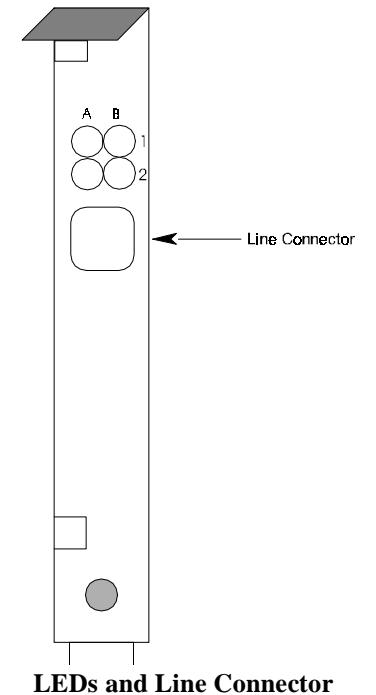
## Monitoring the Adapter Self Test

### Introduction

The adapter's self test occurs automatically when the Digi driver is loaded. By monitoring the LEDs on the adapter during the self test, you can tell if the adapter is working and if the line is synchronized.

### What you should see

Once the self test is completed (this can take up to two minutes), you should see a green light rotate clockwise on a field of red LEDs. If the LEDs display anything else, call Digi Support Services.



LEDs and Line Connector

## RJ45 Pinouts

The RJ45 plug is an 8-position keyed plug with four wires (two for transmit, two for receive).

The following table shows the RJ45 jack and connector pinouts. The jack is inserted into the connector on the DataFire PRIme adapter.

Pin	Description
1	Rx Tip
2	Rx Ring
4	Tx Tip
5	Tx Ring

## Requirements

- The DataFire PRIme adapter requires a server with access to a PRI line using B8ZS line encoding.
- To remain in Class B compliance, the cable for the DataFire PRIme PCI requires split ferrite EMI suppressors on each end. If you make your own cable, remove the split ferrite EMI suppressors from the cable that comes with the adapter and place them in similar positions on your new cable.
- Once your system is connected to the network, you are required to notify the telephone company before you disconnect the cable or power down the system.

## Radio Frequency Interference

### FCC Part 15

This device meets the following electromagnetic emissions standards: FCC Part 15, Subpart J, Class B EN55022, Class B.

This device has been tested and found to comply with the limits for Class B digital devices pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential environment. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### Labeling Requirements (FCC 15.19)

This device complies with part 15 of FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### Modifications (FCC 15.21)

Changes or modifications to this equipment not expressly approved by Digi may void the user's authority to operate this equipment.

### Cables (FCC 15.27)

This equipment is certified for Class B operation when used with category 5, unshielded twisted-pair cables. Declaration Of Conformity

(In accordance with FCC Dockets 96-208 and 95-19)

**Manufacturer's Name:** Digi International  
**Corporate Headquarters:** 11001 Bren Road East  
Minnetonka MN 55343  
**Manufacturing Headquarters:** 10000 West 76th Street  
Eden Prairie MN 55344

Digi International declares, that the product:

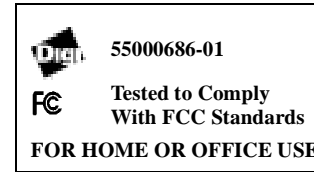
**Product Name:** DataFire PRIme PCI  
**Model Numbers:** 55000686-01

To which this declaration relates, meets the requirements specified by the Federal Communications Commission as detailed in the following specifications

- Part 15, Subpart B, for Class B Equipment
- FCC Docket 96-208 as it applies to Class B personal computers and Peripherals

The product listed above has been tested at an External Test Laboratory certified per FCC rules and has been found to meet the FCC, Part 15, Class B, Emission Limits. Documentation is on file and available from the Digi Inter-

national Homologation Department.



## Industry Canada Class B Emission Compliance Label Statement

This Class B digital apparatus meets the requirements of the Canadian Interference Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

## Industry Canada Telecom

Notice: The Canadian Department of Communications label identifies certified equipment. This certification means that the equipment meets certain Telecommunications network protective operational and safety requirements (ICCS-03). The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local Telecommunications company. The equipment must also be installed using an acceptable method of connection. In some cases, the company's inside wiring associated with a single line individual service may be extended by means of a certified connector assembly (telephone extension cord). The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the Telecommunications company cause to request the user to disconnect the equipment.

Users should be aware for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

## Telecom Compliance

### FCC Part 68

This device complies with Part 68 of FCC Rules. A label contains, among other information, the FCC registration number. You must provide this information to the telephone company if they request it.

The following lists trunks available with the associated FCC information:

Trunk	Service Code	Facility Interface Code	USOC Jack
ISDN primary rate	6.ON	02IS5	RJ45

An FCC compliant telephone cord and modular plug is provided with this equipment. This equipment is designed to be connected to the telephone network or premises wiring using a compatible modular jack which is Part 68 compliant.

If this device causes harm to the network, the telephone company will notify you in advance. If advance notice is not practical, the telephone company will notify you as soon as possible. Also you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the proper functioning of this device. If this happens, the telephone company will provide advanced notice in order for you to make necessary modifications to maintain uninterrupted service.

If you experience trouble with this device, please contact Digi International, Inc., 11001 Bren Road East, Minnetonka, MN 55343. Phone 1-612-912-3444 for repair and/or warranty information.

If the trouble is causing harm to the telephone network, the telephone company may request that you remove this device from the network until the problem is resolved. User repairs must not be made. Doing so voids the user's warranty.

Do not install this device on public coin service provided by the telephone company. Connection to Party Line service is subject to state tariffs. (Contact your state public utilities commission for information.)

It is recommended that the customer install an AC surge arrester in the AC outlet to which this device is connected. This is to avoid damaging the equipment caused by local lightning strikes and other electrical surges.

## I-CTR4

This device meets the I-CTR4 standard.



## Underwriters Laboratory

This device is certified by Underwriters Laboratories Inc. to UL 1950 and CSA 22.2 NO.950.