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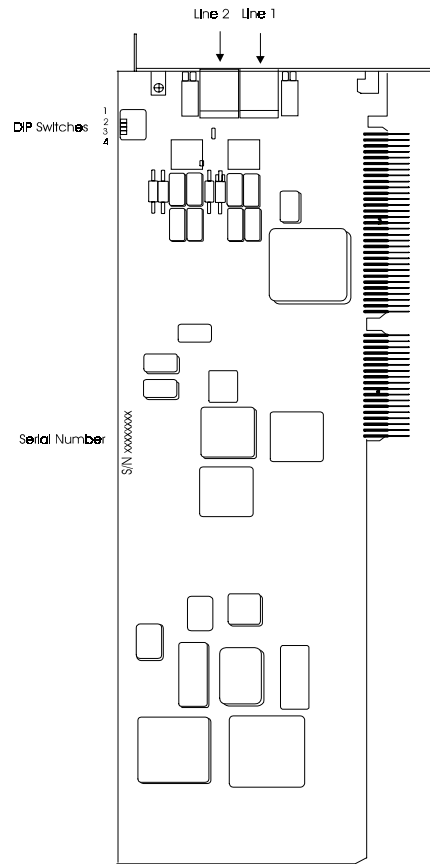
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DataFire PRIme (ISA)

Installation Card



DataFire PRIme (ISA)

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. Locate the DIP switches on the adapter.
2. Using the table that follows to guide you, set the IO port starting address with the DIP switches on the adapter. Choose a unique I/O address, that is, one not already in use by any other adapter in your system, including other PRIme adapters.

I/O Address	Switch Setting			
	1	2	3	4
10C	up	up	down	down
11C	up	down	up	down
12C	up	down	down	down
20C	down	up	up	down
22C	down	up	down	down
30C	down	down	up	down
32C (default)	down	down	down	down

3. Record the I/O port starting address, which will be helpful if troubleshooting is required.

4. Install the adapter.
 - a. Remove the computer's cover.
 - b. Locate an available ISA 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.
5. Connect the cable to the adapter. If this is a dual-port adapter repeat this step for the second port.
6. Connect the other end of the cable to an RJ45 jack (which provides connection to the PRI line). Repeat this step with the other cable if you are installing a dual-port adapter.

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.

RJ45 Pinouts

Introduction

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.

Note: Tip refers to ground (+) and ring refers to positive (-).

Pin	Description
1	Rx Tip (+)
2	Rx Ring (-)
4	Tx Tip (+)
5	Tx Ring (-)

Monitoring the Adapter Self Test

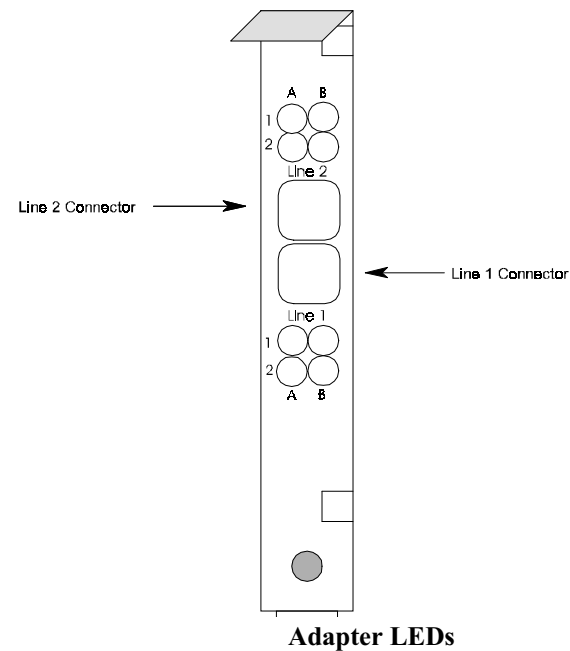
Introduction

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.

The following figure shows a two-port PRIme adapter. Single port adapters look similar but with only one line connector and one set of LEDs.

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.



Specifications

Power

- + 5 Volts \pm 5%, 1.8 amps typical
- + 12 Volts \pm 5%, 0 amps typical
- - 12 Volts \pm 5%, 0 amps typical

Environmental

Attribute	Values
Temperature	10° C to 55° C
Relative Humidity	5% to 90%
Air Movement	30 CFM Forced
Altitude	0 to 12,000 feet

Mechanical

Attribute	Value
Length	13.1 inches
Width	.6 inches
Height	4.5 inches
Weight	12 ounces

Requirements

The DataFire PRIme adapter requires a server with

- A 16-bit ISA bus slot
- A free I/O port address
- A free IRQ
- Access to a PRI line using B8ZS line encoding

Radio Frequency Interference

Note: Once your system is connected to the network, do not disconnect or unplug it without checking with the network.

FCC Part 15

RFI (FCC 15.105)

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:

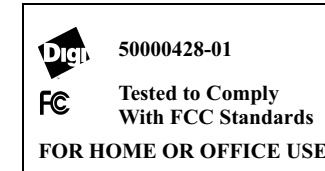
Product Name: DataFire PRIme ISA
Model Numbers: 50000428-01

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 International 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.

Underwriters Laboratory

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