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What Next?

At this point the hardware installation for your *AccelePort* Xr 920 host adapter is complete. However, since the adapter must have software downloaded to its RAM before it becomes functional, you must next install the software drivers for your operating system.

- Read the instruction booklet for the CD-ROM that came with your adapter for instructions on installing software.
- View the on-line documentation on the CD-ROM for more information about *AccelePort* products.

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AccelePort Xr 920 Family: 4r 920 and 8r 920

PCI Host Adapters
EIA-232

Hardware Installation Guide

Introduction

An *AccelePort*® Xr 920™ host adapter easily expands the number of EIA-232 ports available on your computer, allowing you to cable additional peripheral devices, such as modems, terminals or serial printers, directly to your computer.

As shown in the figure below, an Xr 920 host adapter has one connector to which a special Digi connector assembly is attached to provide the peripheral port connections. There are three different connector assembly options available from Digi to use with an Xr 920 host adapter: an RJ-45 Connector Box, a DB-25 Connector Box, or a DB-25 Cable Assembly.

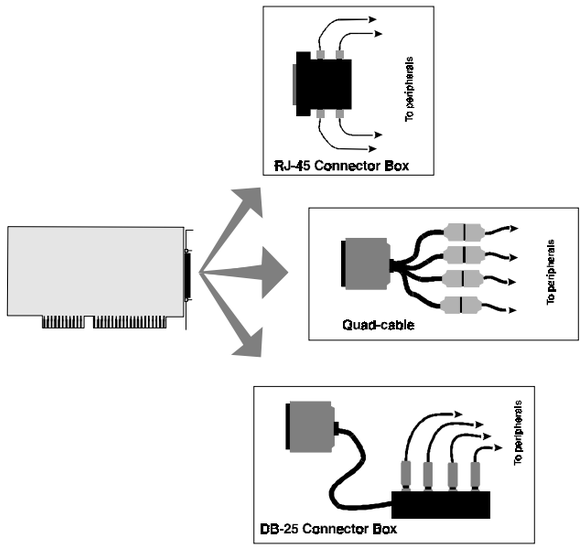


Figure 22. Example 4r 920 host adapter with connector assemblies

This installation guide describes how to plan your setup and install an *AccelePort* Xr 920 host adapter.

Step One: Plan your setup

An *AccelePort* Xr 920 adapter can be set up in a variety of ways. Before you start your installation, be sure of the following:

Number of components. You can connect up to four peripherals to an *AccelePort* 4r 920 and up to eight peripherals to an *AccelePort* 8r 920 host adapter.

Location of components. You can locate peripherals a distance from the adapter, but you must be sure that the cables you use to make the connection are properly constructed. To achieve the greatest reliability over distance, cables should be:

- Shielded, low capacitance, and preferably designed specifically for serial data transmission.
- Grounded at both ends of the cable.
- Routed away from noise sources such as generators, motors and fluorescent lights.

Cable Connections. Before beginning the installation, be sure that you have one of the Digi connector assemblies illustrated in Figure 1. You will also need a cable for each peripheral that you will be attaching to the connector assembly. The connector type that you need at either end of the peripheral cable depends on the type of Digi connector assembly that you use and the connector on the peripheral.

Digi connector assemblies are available with RJ-45 or DB-25 connectors. You will need to be sure that you have cables of the correct length and with the right connectors to properly attach the devices you want to use.

Additional information about the AccelePort 4r and 8r, such as specifications and cabling details, is provided on the CD-ROM that is packaged with the host adapter.

Step Two: Install the Xr 920 PCI host adapter

Before installing the Xr 920 host adapter, you should do the following:

- Wear an ESD wrist strap to ground yourself while handling the adapter. If one is not available, discharge static electricity from your body by touching an unpainted metal surface, such as the computer's chassis, prior to handling the adapter.
- Record the adapter serial number, which will enable Digi to provide you with better service, should the need arise.

  The serial number label has this general format: **S/N: (S) XXX XXXXX**
- Unplug power from the PC.

1. Remove the computer's cover.
2. Locate an available PCI slot in your computer and remove the slot plate.
3. 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.
4. Replace the computer's cover.
5. Attach the 78-pin end of a Digi connector assembly to the connector on the adapter.

Step Three: Install peripheral cabling

You can connect modems, terminals, serial printers, or any other standard EIA-232 device to be controlled by applications on the computer, to an *AccelePort* Xr 920 host adapter using a cable between the peripheral and the Digi connector assembly.

On the peripheral end of the cable, the connector you must have depends on the requirements of the peripheral. The other end of the cable must fit either an RJ-45 or DB-25 connector, depending on the Digi connector assembly you have.

The pin assignments for each type of connector used on the Digi connector assemblies are as follows:

DB-25 Pin Assignments

Signal	Description	Pin
GND	Chassis Ground	1*
TxD	Transmitted Data	2
RxD	Received Data	3
RTS	Request To Send	4
CTS	Clear To Send	5
DSR	Data Set Ready	6
SG	Signal Ground	7
DCD	Data Carrier Detect	8
DTR	Data Terminal Ready	20
RI	Ring Indicator	22

* Chassis Ground is also available on the connector shell

RJ-45 Pin Assignments

Signal	Description	Pin
RI	Ring Indicator	1
DSR	Data Set Ready	2†
RTS	Request To Send	3
GND	Chassis Ground	4
TxD	Transmitted Data	5
RxD	Received Data	6
SG	Signal Ground	7
CTS	Clear To Send	8
DTR	Data Terminal Ready	9
DCD	Data Carrier Detect	10

† Pin 2 can be configured for DCD (through Digi software) if you want to connect using an 8 pin connector

Refer to the CD-ROM for more detailed cabling information.

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