

DCI-1400

DRV11-J Compatible Controller



The DCI-1400 is signal and connector compatible with Digital's DRV11-J. Users can unplug their external equipment from their older PDP-11, VAX and MicroVAX systems and plug directly into the new PCI workstations.

The DCI-1400 is a parallel interface that provides 64 input/ output data lines. The DCI-1400 is software and hardware compatible with Digital's DRV11-J Q-bus controller and can be used as a direct replacement.

The DCI-1400 includes an advanced interrupt structure with bit interruptability up to 16 lines, programmable vectors, and program selection of fixed or rotating interrupt priority within the DCI-1400.

The DCI-1400's bit interrupts for real time response make it especially useful for sensor I/O applications. It can also be used as a general purpose interface to custom devices, and two DCI-1400's can be connected back-to-back as a link between two systems. The DCI-1400 is offered with software drivers for Windows NT, OpenVMS and Digital UNIX. Driver distribution media is available in a choice of DAT cartridge or floppy diskette.

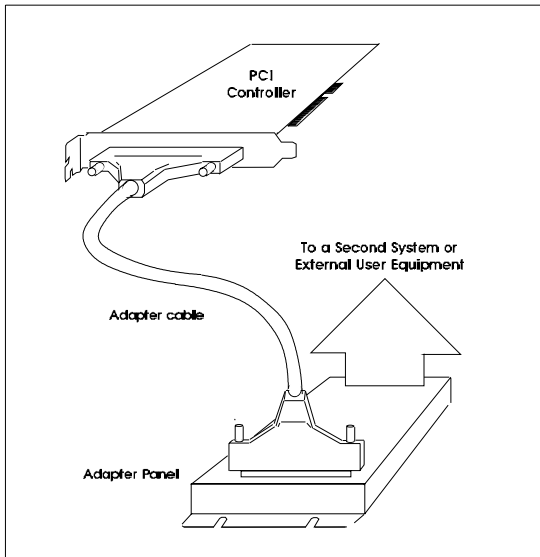
DRV11-J Compatible. The DCI-1400 provides the same operating features as Digital's DRV11-J:

- Four 3-state 16-bit parallel I/O ports
- Acceptance of up to 16 external interrupt requests
- Programmable vector addresses
- Program-controlled input/output operations
- Programmable operating modes.

Provides an easy migration path. The DCI-1400 is a plug and play solution for users migrating from older Digital systems.

Space saving. The DCI-1400 requires only a single PCI slot allowing use of multiple modules in a workstation.

Easy to maintain. A module exerciser supplied with any purchased device driver allows the user to verify DCI-1400 operation.



Specifications

Physical Dimensions

Controller PWB	PCI short card measuring 6.88 in by 4.20 in (17.46 cm by 10.67 cm)
Adapter Panel	8.75 in by 4.25 in by 1.35 in (22.23 cm by 10.80 cm by 3.43 cm)

Interface

Controller Connector	100-pin high density
Adapter Panel	Provides user connection to two 50-pin DRV11-J style connectors.
Adapter Cable	8-foot cable terminated with 100-pin high density connectors.

Applications

General I/O Application: Use the DCI-1400 to connect a workstation to external user equipment such as data acquisition, A/D, telemetry or industrial control equipment supporting a DRV11-J compatible interface for 16-bit parallel data transfer or to provide interrupt services for up to 16 lines.

Parallel Computer Link: Use the DCI-1400 to provide a parallel data link to another system supporting a DRV11-J compatible interface.

Ordering Information

Hardware

DCI-1400-AA	Standard data controller package for the PCI bus. Includes controller, standard adapter panel, adapter cable, loopback test cable and owners manual.
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Software Drivers

Specify media: DAT (X=B), or 3 1/2" floppy diskette (X=C). For other media, consult our sales office.

MED-0041-X	DCI-1400 OpenVMS driver.
MED-0042-X	DCI-1400 UNIX driver.
MED-0043-C	DCI-1400 Windows NT driver.

Electrical

Power Required: +5 volts DC	1 amp
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PCI Local Bus

Signaling	5 volt
Addr/Data	32-bit
Clock Rate	33 MHz
Compliance	2.1

Environmental

Operating Conditions:	
Temperature	5° to 50° C (41° to 122° F)
Relative Humidity	20% to 80% noncondensing
Storage Conditions:	
Temperature	-40° to 66° C (-40° to 150° F)
Relative Humidity	10% to 95% noncondensing

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Windows is a trademark of Microsoft Corporation.

We reserve the right to improve our products without notice.