

DCI-4100

3.3v PCI Signal Compatible DR11W, DRV11-WA Controller



The DCI-4100 is a high performance, DMA, general purpose 16-bit user interface controller for the Alpha and other PCI Local bus workstations that is 3.3v PCI signal compatible.

The DCI-4100 is signal and connector compatible with Digital's DR11-W and DRV11-WA controllers. Users can unplug their external equipment from their older VAX and MicroVAX systems and plug directly into the new PCI workstations.

The DCI-4100 requires only a single PCI slot allowing use of multiple modules in a workstation.

The DCI-4100 is offered with software drivers for OpenVMS and TRU64UNIX. The OpenVMS driver is QIO compatible with Digital's VMS XADRIVER. The UNIX driver provides functions similar to those in the XADRIVER. Driver distribution media is available in a choice of media.

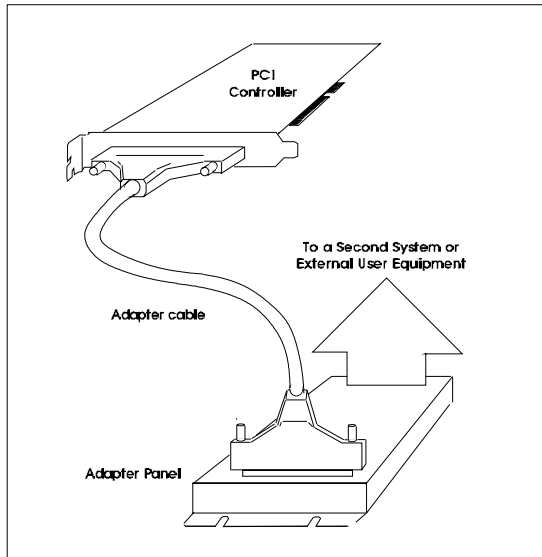
High performance. The DCI-4100 provides a sustained throughput of four megabytes per second through the use of:

- Multiple 32-bit data transfers per DMA request.
- On-board input and output data buffering.
- Improved user interface timing.

Provides an easy migration path. The DCI-4100 is a plug and play solution for users migrating from older Digital systems with applications written using the XADRIVER driver.

Optional differential interface. In addition to the standard single-ended interface, the DCI-4100 accommodates differential interface applications through the use of an optional adapter panel compatible with Digital's M9056 and H3029 units.

Easy to maintain. A module exerciser and test cable supplied with the DCI-4100 allow the user to verify DCI-4100 operation.



Applications

High Speed General I/O Application: Use the DCI-4100 to connect a workstation to external user equipment such as data acquisition, A/D, telemetry or industrial control equipment supporting a DR11-W or DRV11-WA compatible interface.

High Speed Parallel Computer Link: Use the DCI-4100 to provide a high speed parallel data link to another system supporting a DR11-W or DRV11-WA compatible interface.

Long Line and Noisy Environments: Use the DCI-4100's differential interface to provide reliable operation over long distances or in noisy environments.

Ordering Information

Hardware

DCI-4100-AA Standard data controller package for the PCI bus.
 DCI-4100-AB Differential data controller package for the PCI bus.

Software Drivers

MED-0090-X DRV11-WA or DR11-W OpenVMS.
 Specify media: DAT (**X=B**), or 3½" floppy diskette (**X=C**).

MED-0089-B DRV11-WA or DR11-W TRU64 UNIX on DAT tape.

For other media, consult our sales office.

Specifications

Physical

Dimensions PCI short card measuring 6.88 in by 4.20 in (17.46 cm by 10.67 cm)

Adapter Panels 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

Standard Adapter Panel Provides user connection to two 40-pin DRV11-WA and DR11-W style connectors.

Differential Adapter Panel Provides user connection to two 60-pin connectors and three 40-pin 3M style connectors, compatible with Digital's M9056 and H3029.

Adapter Cable 8-foot cable terminated with 100-pin high density connectors.

PCI Local Bus

Signaling 3.3 volt
Addr/Data 32-bit
Clock Rate 33 MHz
Compliance 2.1

Electrical

Power Required: 2 amps @+5 volts DC

Throughput

Sustained Throughput Up to 4 Mbytes per second

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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We reserve the right to improve our products without notice.