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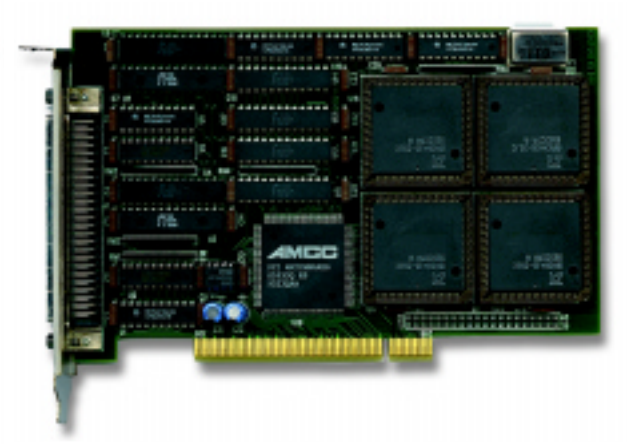
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Find the *The Logical Company DCI-1100-A* at our website: ***Click HERE***

DCI-1100



High Performance DR11, DRV, DRQ3B Controller

The DCI-1100 is a high performance, DMA, general purpose 16-bit user interface controller for the Alpha and other PCI Local bus workstations.

The DCI-1100 is signal and connector compatible with Digital's DR11-W, DRV11-WA and DRQ3B. Users can unplug their external equipment from their older VAX and MicroVAX systems and plug directly into the new PCI workstations.

The DCI-1100 requires only a single PCI slot allowing use of multiple modules in a workstation.

The DCI-1100 is offered with software drivers for OpenVMS and Digital UNIX. The OpenVMS drivers are QIO compatible with Digital's VMS XADRIVER and HXDRIVER. The UNIX and Linux drivers provide functions similar to those in the XADRIVER and HXDRIVER. Driver distribution media is available in a choice of TK50, DAT cartridge, or floppy diskette.

High performance. The DCI-1100 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.

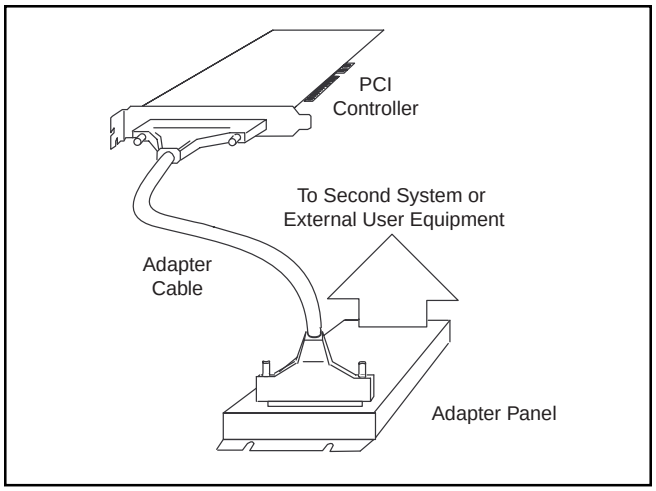
Provides an easy migration path. The DCI-1100 is a plug and play solution for users migrating from older Digital systems with applications written using the XADRIVER or HXDRIVER driver.

Optional differential interface. In addition to the standard single-ended interface, the DCI-1100 accommodates differential interface applications through the use of an optional adapter panel compatible with Digital's M9056 and H3029 units.

Easy to maintain. Diagnostics supplied with the DCI-1100 allow the user to verify DCI-1100 operation.

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Applications

High Speed General I/O Application: Use the DCI-1100 to connect a workstation to external user equipment such as data acquisition, A/D, telemetry or industrial control equipment supporting a DR11-W, DRV11-WA or DRQ3B compatible interface.

High Speed Parallel Computer Link: Use the DCI-1100 to provide a high speed parallel data link to another system supporting a DR11-W, DRV11-WA or DRQ3B compatible interface.

Long Line and Noisy Environments: Use the DCI-1100's differential interface to provide reliable operation over long distances or in noisy environments.

Ordering Information

Hardware

DCI-1100-AA	Standard data controller package for the PCI bus.
DCI-1100-AB	Differential data controller package for the PCI bus.

Software Drivers

Specify media: TK50 (X=A) or DAT (X=B). For other media, consult our sales office.

MED-0017-X	DRV11-WA, DR11-W OpenVMS V6.X and 7.X.
MED-0019-X	DRV11-WA, DR11-W UNIX.
MED-0045-C	DRV11-WA, DR11-W Windows NT.
MED-0075-C	DRV11-WA, DR11-W Linux.
MED-0016-X	DRQ3B OpenVMS V6.X.
MED-0069-X	DRQ-3B OpenVMS V7.X.
MED-0018-X	DRQ3B UNIX.

Specifications

Physical Dimensions

Controller PWB	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 and two 50-pin DRQ3B style connectors.
Differential Adapter Panel	Provides user connection to two 60-pin 3M style connectors, compatible with Digital's M9056 and H3029.
Adapter Cable	8-ft cable terminated with 100-pin high density connectors.

Electrical

Power Required:	
+5 volts DC	2 amps

PCI Local Bus

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

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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