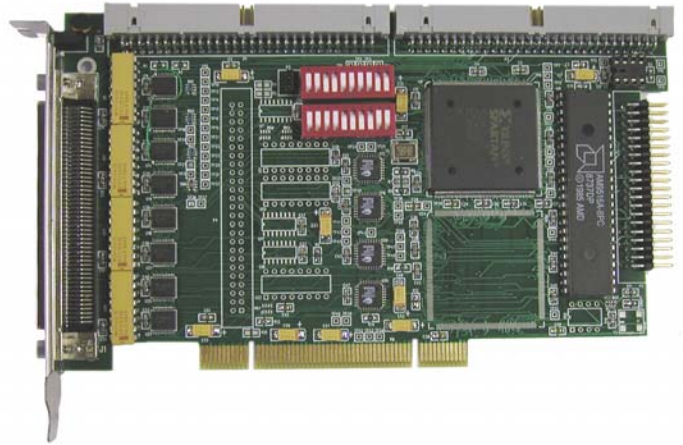


DQP-1400

DRV11-J Compatible Option Module for NuVAX



The DQP-1400 QP option module works with Logical's NuVAX 3000 and 3100 systems to allow users to migrate from a Qbus system to a PCI-based system while maintaining their investment in software and user equipment.

The DQP-1400 installs into a single PCI slot and connects to the NuVAX bus adapter and, optionally, other QP option modules by way of top-edge flat ribbon connectors. The DQP-1400 only requires DC power from the slot.

The DQP-1400 is a plug and play replacement for Digital's DRV11-J general purpose controller. The DQP-1400 is a parallel interface for Q-bus systems that provides 64 input/output data lines.

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

The DQP-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 DQP-1400s can be connected back-to-back as a link between two systems.

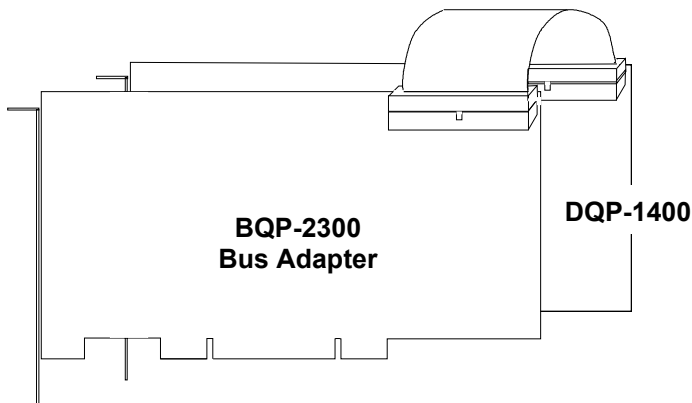
DRV11-J Compatible. The DQP-1400 provides the same operating features as Digital's DRV11-J:

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

Software Compatible. The DQP-1400 is application and diagnostic compatible, providing a direct replacement for the DRV11-J.

Hardware Compatible. The DQP-1400 is signal and connector compatible to Digital's DRV11-J allowing use of existing Digital user cables.

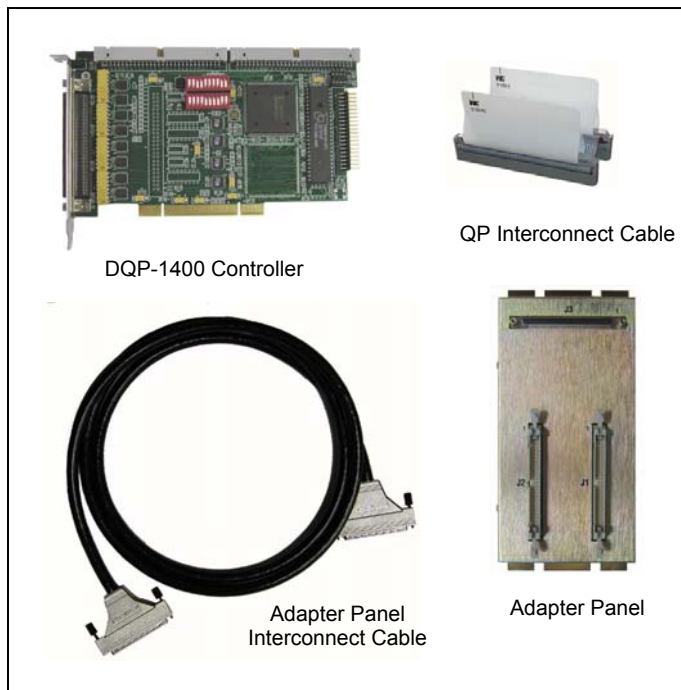
Switch Compatible. Switch settings are identical to the DRV11-J switches for ease of use.



Applications

General I/O Application: Use the DQP-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 DQP-1400 to provide a parallel data link to another system supporting a DRV11-J compatible interface.



Specifications

Physical Dimensions

PCI Controller PCI short card, measuring 6.88" by 4.20" (17.46 cm by 10.67 cm)

Adapter Panel Provides user connection to two 50-pin DRV11-J style connectors.

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

QP Interconnect Cable 50-pin flat ribbon cable

Electrical

Power Required: 0.5 amps @ 5.0 volts
0.3 amps @ 3.3 volts

MTBF 65,000 hours

Environmental

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

Ordering Information

DQP-1400-AA PCI DRV11-J option module, QP interconnect cable, adapter panel, adapter cable, test cable and owners manual.

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