

DRV11-WA Interface

Model DQP-1100



The DQP-1100 option module works with Logical's NuVAX and NuPDP systems to allow users to migrate from older Qbus systems while maintaining their investment in software and user equipment.

The DQP-1100 is a plug-and-play replacement for Digital's DRV11-WA general purpose controller. The DQP-1100 provides a 16-bit parallel user interface for PIO and DMA transfers between a NuVAX or NuPDP system and external equipment. It can also serve as a link between a NuVAX or NuPDP system and another computer with a DRV11-WA or DR11-W compatible interface.

The DQP-1100 installs into a single PCI slot and connects to the NuVAX or NuPDP bus adapter and, optionally, other option modules by way of top-edge flat ribbon connectors. The DQP-1100 only requires DC power from the slot.



DQP-1100-AA Standard Package

High Performance. The DQP-1100 provides throughput of up to 800 Kbytes per second.

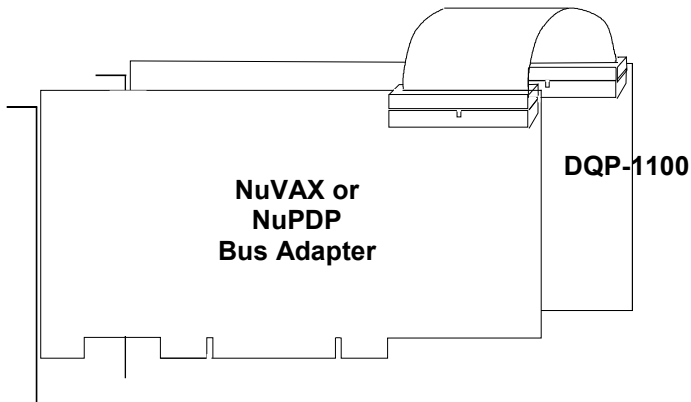
Software Compatible. The DQP-1100 is VMS and RSX compatible, providing a direct replacement for the DRV11-WA.

Hardware Compatible.

- The DQP-1100 is signal and connector compatible with Digital's DRV11-WA allowing use of existing user cables and equipment.
- The DQP-1100 can also be configured to be signal and connector compatible with Digital's DR11-W Unibus interface.

Easy to Maintain. The DQP-1100 is compatible with Digital's DRV11-WA MDM and XXDP diagnostics.

Long Line Option. The DQP-1100 can accommodate differential interface applications for long-line or noisy environments through the use of an optional adapter panel that is compatible with Digital's M9056.



Specifications

Dimensions	
DQP-1100-A Controller	PCI short card 6.88" by 4.20" (17.46 cm by 10.67cm)
Standard Adapter Panel (CPX-1104)	Provides user connection to two 40-pin DRV11-WA style connectors
Differential Adapter Panel (CPX-1105)	Provides user connections to three 40-pin connectors, compatible with Digital's M9056 and MDB's MLSI-WLL11
Adapter Cable (CAB-1104-8)	8-foot, terminated with a 100-pin high density connector at each end
Electrical	
DQP-1100-A	0.5 amps @ 5.0 volts DC 0.3 amps @ 3.3 volts DC
Throughput	
Burst Mode	Up to 800 Kbytes per second
Single Cycle Mode	Up to 500 Kbytes per second
MTBF	65,000 hours
Environmental	
Operating Conditions:	
Temperature	10° to 50° C (50° to 120° F)
Relative Humidity	20% to 80% non-condensing
Storage Conditions:	
Temperature	-40° to 60° C (-40° to 140° F)
Relative Humidity	5% to 90% non-condensing

Applications

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

Parallel Computer Link: Use the DQP-1100 to provide a parallel data link to another system supporting a DR11-W or DRV11-WA compatible interface.

Long Line and Noisy Environments: Use the DQP-1100's differential interface to provide reliable operation over distances up to 150 feet or in noisy environments.

Ordering Information

- DQP-1100-AA Standard Package. DRV11-WA option controller, standard adapter panel, adapter cable, interconnect cable and loop-back test cable.
- DQP-1100-AB Long Line Package. DRV11-WA option controller, differential adapter panel, adapter cable, interconnect cable and loop-back test cable.