

MV-DR11-W Interface

Model DQP-1120



The DQP-1120 option module works with Logical's NuVAX and NuPDP systems to allow users of the MDB MV-DR11-W to migrate from older Qbus systems while maintaining their investment in software and user equipment.

The DQP-1120 is a plug-and-play replacement for MDB's MV-DR11-W general purpose controller. MDB's controller is compatible with DEC's DR11-W.

The DQP-1120 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 DR11-W style interface.

The DQP-1120 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-1120 only requires DC power from the slot.

Customers migrating from the MV-DR11-W must retain their MDB device driver for use in the new system as the MDB driver is not compatible with Digital's driver. Users wishing compatibility with Digital's RSX and VMS device drivers should consider Logical's DQP-1100 rather than the DQP-1120.

Like the MV-DR11-W, the DQP-1120 is not compatible with any DEC diagnostics for either MicroVAX or PDP. Logical offers an optional DQP-1120 diagnostic.

High Performance. The DQP-1120 provides throughput of up to 800 Kbytes per second.

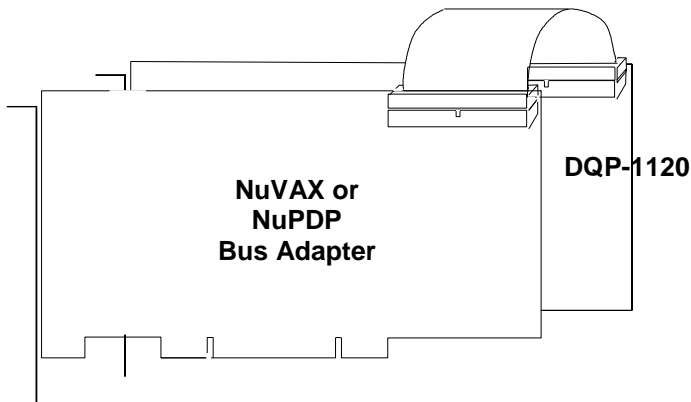
Provides a Migration Path. Users of MDB's MV-DR11-W can retain their existing device driver and migrate to the NuVAX or NuPDP using Logical's DQP-1120.

Hardware Compatible.

The DQP-1120 is signal and connector compatible with MDB's MV-DR11-W allowing use of existing user cables and equipment.



DQP-1120-AA Standard Package



Specifications

Dimensions	
DQP-1120-A Controller	PCI short card 6.88" by 4.20" (17.46 cm by 10.67cm)
Adapter Panel (CPX-1104)	Provides user connection to two 40-pin DR11-W style connectors
Adapter Cable (CAB-1104-8)	8-foot, terminated with a 100-pin high density connector at each end
Electrical	
DQP-1120-A	0.5 amps @ 5.0 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-1120 to connect a NuVAX or NuPDP to external user equipment such as data acquisition, A/D, telemetry or industrial control equipment supporting a MDB MV-DR11-W or DEC DR11-W compatible interface.

Parallel Computer Link: Use the DQP-1120 to provide a parallel data link to another system supporting a DQP-1120, MV-DR11-W or DEC DR11-W compatible interface.

Ordering Information

DQP-1120-AA Standard Package. DR11-W option controller, standard adapter panel, adapter cable, interconnect cable and loop-back test cable.