

halDQP-1100

DRV11-WA Compatible Option Module for FutureVAX

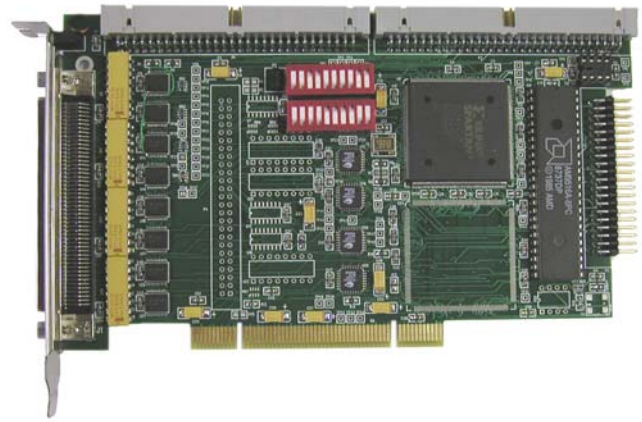
The DQP-1100 PCI-based option module works with

Logical's FutureVAX bus adapter 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-1100 installs into a single PCI slot and connects to the *FutureVAX* bus adapter and, optionally, other PCI-based Qbus option modules by way of top-edge flat ribbon connectors. The DQP-1100 only requires DC power from the slot.

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 Qbus system and external equipment. It can also serve as a link between a Qbus system and another computer with a DRV11-WA or DR11-W compatible interface.

The DQP-1100 is hardware and software compatible with Digital's DRV11-WA. It offers 22-bit addressing capability and permits data transfers at rates up to 400 Kbytes per second in burst mode.



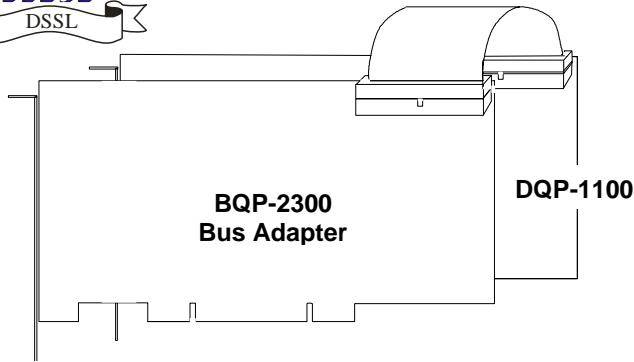
High Performance. The DQP-1100 provides a sustained throughput of 400 Kbytes per second.

Software Compatible. The DQP-1100 is application software 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 Unibus
DR11-W.

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



Applications

General I/O Application: Use the DQP-1100 to connect a workstation 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.

Specifications

Physical Dimensions

PCI Controller PCI short card, +5 volt only, measuring 6.88 in by 4.20 in (17.46 cm by 10.67 cm)

Adapter Panel Provides user connection to two 40-pin DRV-11WA style connectors.

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

Qbus Adapter 50-pin flat ribbon cable Interconnect Cable

Electrical

Power Required: 1.0 amp @ 5.0 volts
±12 volts not used

Throughput

Burst Mode Up to 400 Kbytes per second
Single Cycle Mode Up to 250 Kbytes per second

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

Pin Assignments

Signal	Pin	J1	Pin	Signal
OUT15 H	1		2	OUT00 H
OUT14 H	3		4	OUT01 H
OUT13 H	5		6	OUT02 H
OUT12 H	7		8	OUT03 H
OUT11 H	9		10	OUT04 H
OUT10 H	11		12	OUT05 H
OUT09 H	13		14	OUT06 H
OUT08 H	15		16	OUT07 H
GND	17		18	GND
GND/ *CYROB H	19		20	GND
GND/ *ENDCY H	21		22	GND
STATC H	23		24	GND
STATC H	25		26	GND
STATB H	27		28	GND
INIT H	29		30	GND
STATA H	31		32	SCYCLE H
WCINCENB H	33		34	GND
READY H	35		36	GND
INITV2 H	37		38	GND
CYRQA H	39		40	GND

Signal	Pin	J2	Pin	Signal
IN15 H	1		2	IN00 H
IN14 H	3		4	IN01 H
IN13 H	5		6	IN02 H
IN12 H	7		8	IN03 H
IN11 H	9		10	IN04 H
IN10 H	11		12	IN05 H
IN09 H	13		14	IN06 H
IN08 H	15		16	IN07 H
GND	17		18	GND
GND	19		20	GND
GND/ *GO H	21		22	GND
FNCT1 H	23		24	GND
C1 H	25		26	GND
FNCT2 H	27		28	GND
C0 H	29		30	GND
FNCT3 H	31		32	FNCT3 H
BAINCENB H	33		34	GND
A00 H	35		36	GND
ATTN H	37		38	GND
BUSY L,H	39		40	GND

* Jumper selectable to support DR11-W.

Ordering Information

DQP-1100-AA PCI DRV11-WA option controller, adapter panel, adapter cable, interconnect cable and owners manual.

BQP-2300-AA *FutureVAX* Qbus adapter with owners manual.

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