

Timer Motor Control

Advantech DAQ Modules

Advantech make a number of DAQ modules and accessories.

Product	Description	Installation	DIO Channels	DI Interrupt ¹	Timer Interrupt ²
USB-4751	USB DAQ Module	USB Port	48	Yes	No
USB-4751L	USB DAQ Module	USB Port	24	Yes	No
PCI-1751-BE	PCI DAQ Board	Expansion Slot ³	48	Yes	Yes
PCI-1750	PCI DAQ Board	Expansion Slot ³	32 ⁶	Yes	Yes
ADAM-3950 ⁴	Adaptor Board	50-pin cable			
ADAM-3937 ⁵	Adapter Board	SCSI 68-pin cable			

1. Allows software to detect when a DI input has changed.
2. Allows software detection of timer pulses.
3. The expansion slots internal to a desktop computer. It may be possible to connect to a USB port using a USB to PCIE adapter.
4. To adapt USB-4751 or 4751L 50-PIN flat ribbon cable to 2 x 25 pin screw terminals.
5. To adapt PCI-1751-BE 68-pin SCSI cable to 2 x 25 pin screw terminals.
6. Channels are isolated to provide increase protection

Advantech Sources

Product	Description	Radwell	Mouser	TME
USB-4751	USB DAQ Module	\$295.25	\$189.95	\$191.20
USB-4751L	USB DAQ Module	\$231.07	\$172.55	\$143.70
PCI-1751-BE	PCI DAQ Board	\$246.47	\$261.00	\$141.58 US
PCI-1750	PCI DAQ Board	\$268.39	\$254.95	\$269.48
ADAM-3950 ⁴	Adaptor Board	\$146.91	\$89.83	\$78.13
ADAM-3937 ⁵	Adapter Board	\$76.07	\$89.93	\$51.29 US

Sources

Supplier	Location	Web
Mouser	On-Line	https://www.mouser.ca/
Radwell ¹	On-Line	https://www.radwell.ca/en-CA/
TME	On-Line	https://www.tme.com/ca/en/

1. Offers used, repaired or repackaged products.

Note: Used boards and modules can be found on-line at eBay or other sellers.