

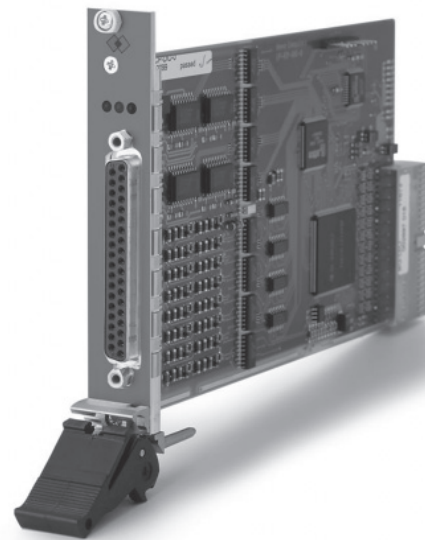


## Vector External Digital I/O Module

The External Digital I/O Module (EDI/O) provides 16 discrete inputs and outputs with a 24 VDC reference.

The module may be used to interface the tester to Programmable Logic Controller (PLC) I/O or to fixture actuators such as valves, lights, air cylinders, and other general-purpose discrete devices.

Typical wiring of the EDI/O requires that a cable be run from the module to the DIN Mount Distribution Assembly for establishing a connection to the PLC or other discrete device.



### Specifications

<b>Form Factor</b>	CompactPCI®	<b>Test Start Latency</b>	
<b>Height</b>	3U	<b>1 Channel</b>	80 ms max.
<b>Width</b>	4HP	<b>10 Channels</b>	100 ms max.
<b>Power</b>	24 VDC	<b>Min. Start Pulse</b>	TBD
<b>Input Capacity</b>	16 inputs	<b>Max Start Pulse</b>	Test Duration
<b>Output Capacity</b>	16 outputs		
<b>Connector Type</b>	37-pin D-type (cable included)		
<b>Manufacturing Standards</b>	ISO 9001:2000		

## BCD Method Pin Assignments

Pin	Signal	Function
1	DIN1	Sequence select BCD 1
20	DIN2	Sequence select BCD 2
2	DIN3	Sequence select BCD 4
21	DIN4	Sequence select BCD 8
3	DIN5	Sequence/group start BCD 1
22	DIN6	Sequence/group start BCD 2
4	DIN7	Sequence/group start BCD 4
23	DIN8	Sequence/group start BCD 8
5	DIN9	Channel start BCD 1
24	DIN10	Channel start BCD 2
6	DIN11	Channel start BCD 4
25	DIN12	Channel start BCD 8
7	DIN13	Reset tester BCD bit
26	DIN14	Abort BCD bit
8	DIN15	Unused
27	DIN16	Unused
30	DOUT1	Tester ready bit
12	DOUT2	Sequence master result bit
31	DOUT3	User-defined
13	DOUT4	User-defined
32	DOUT5	User-defined
14	DOUT6	User-defined
33	DOUT7	User-defined
15	DOUT8	User-defined
34	DOUT9	User-defined
16	DOUT10	User-defined
35	DOUT11	User-defined
17	DOUT12	User-defined
36	DOUT13	User-defined
18	DOUT14	User-defined
37	DOUT15	User-defined
19	DOUT16	User-defined
9	24 VDC (Vcc)	Supply voltage
11	24 VDC (Vcc)	Supply voltage
28	24 VDC (Vcc)	Supply voltage
29	24 VDC (Vcc)	Supply voltage
10	DC Return (GND)	Ground

## Single-Line EDI Pin Assignments

Pin	Function
1	Group select BCD 1
20	Group select BCD 2
2	Group select BCD 4
21	Group select BCD 8
3	Start Channel 1
22	Start Channel 2
4	Start Channel 3
23	Start Channel 4
5	Start Channel 5
24	Start Channel 6
6	Start Channel 7
25	Start Channel 8
7	Start Channel 9
26	Start Channel 10
8	Unused
27	Abort
30	Tester ready bit
12	Master reject
31	Output 3 (Spare)
13	Output 4 (Spare)
32	Output 5 (Spare)
14	Output 6 (Spare)
33	Output 7 (Spare)
15	Output 8 (Spare)
34	Output 9 (Spare)
16	Output 10 (Spare)
35	Output 11 (Spare)
17	Output 12 (Spare)
36	Output 13 (Spare)
18	Output 14 (Spare)
37	Output 15 (Spare)
19	Output 16 (Spare)
9	24 VDC Supply
11	Reset
28	Unused
29	Unused
10	DC Return (GND)

Uson may make changes to specifications and product descriptions at any time without notice.

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# Uson Delivers.