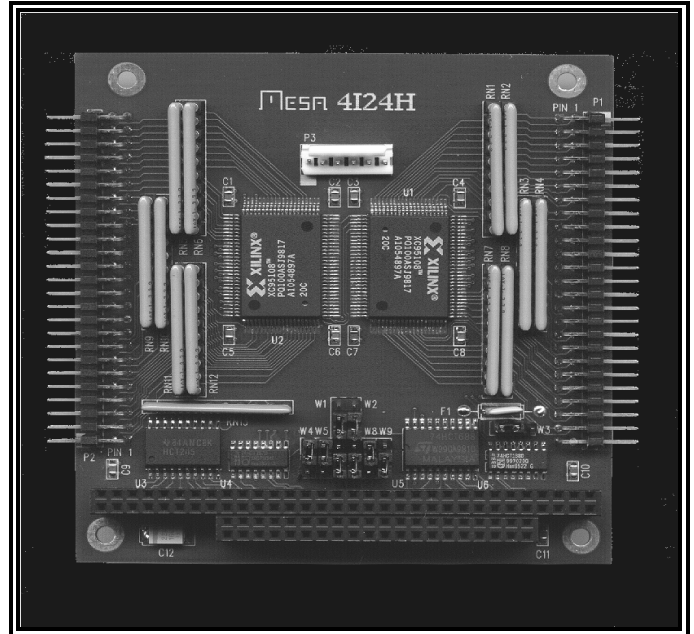


## 4I24H 24mA PARALLEL I/O CARD

- 96 I/O bits
- 82C55 compatible
- Pullup resistors on all inputs
- High current version of 4I24
- Ind. temp. version available
- Low power consumption
- Made in USA - local support
- 2 year warranty



The MESA 4I24H is a 96 bit parallel I/O card implemented on the PC/104 bus. The 4I24H uses CPLD devices to emulate 82C55 parallel I/O chips but provide greater output current.

The 4I24H can sink 24 mA from each output pin. The CPLDs used can emulate all mode 0 82C55 operations. The 4I24H is pinout and functionally compatible with the MESA 4I24 parallel I/O card.

3.3K Pullup resistors are provided on all I/O bits to simplify interfacing to contact closure, opto-isolators, etc.

The 4I24H uses two 50 pin headers for I/O connections. The 50 pin connectors each have 48 I/O bits, ground, and power. The 4I24H uses the 16 bit stack through type PC/104 bus architecture. Card address can be set anywhere in the PC/104 I/O address range.

Four layer circuit card construction is used to minimize radiated EMI and provide optimum ground and power integrity. The 4I24H is available in an industrial temperature range version (-40 — +85C)

Like all Mesa cards, the 4I24H has a 2 year warranty.

**4I24H CONNECTOR PINOUT:**

<b>PIN#</b>	<b>P2 SIGNAL</b>	<b>P1 SIGNAL</b>	<b>PIN#</b>	<b>P2 SIGNAL</b>	<b>P1 SIGNAL</b>
1	A0 bit 0	A2 bit 0	2	A0 bit 1	A2 bit 1
3	A0 bit 2	A2 bit 2	4	A0 bit 3	A2 bit 3
5	A0 bit 4	A2 bit 4	8	A0 bit 5	A2 bit 5
7	A0 bit 6	A2 bit 6	6	A0 bit 7	A2 bit 7
9	B0 bit 0	B2 bit 0	10	B0 bit 1	B2 bit 1
11	B0 bit 2	B2 bit 2	12	B0 bit 3	B2 bit 3
13	B0 bit 4	B2 bit 4	14	B0 bit 5	B2 bit 5
15	B0 bit 6	B2 bit 6	16	B0 bit 7	B2 bit 7
17	C0 bit 0	C2 bit 0	18	C0 bit 1	C2 bit 1
19	C0 bit 2	C2 bit 2	20	C0 bit 3	C2 bit 3
21	C0 bit 4	C2 bit 4	22	C0 bit 5	C2 bit 5
23	C0 bit 6	C2 bit 6	24	C0 bit 7	C2 bit 7
25	A1 bit 0	A3 bit 0	26	A1 bit 1	A3 bit 1
27	A1 bit 2	A3 bit 2	28	A1 bit 3	A3 bit 3
29	A1 bit 4	A3 bit 4	30	A1 bit 5	A3 bit 5
31	A1 bit 6	A3 bit 6	32	A1 bit 7	A3 bit 7
33	B1 bit 0	B3 bit 0	34	B1 bit 1	B3 bit 1
35	B1 bit 2	B3 bit 2	36	B1 bit 3	B3 bit 3
37	B1 bit 4	B3 bit 4	38	B1 bit 5	B3 bit 5
39	B1 bit 6	B3 bit 6	40	B1 bit 7	B3 bit 7
41	C1 bit 0	C3 bit 0	42	C1 bit 1	C3 bit 1
43	C1 bit 2	C3 bit 2	44	C1 bit 3	C3 bit 3
45	C1 bit 4	C3 bit 4	46	C1 bit 5	C3 bit 5
47	C1 bit 6	C3 bit 6	48	C1 bit 7	C3 bit 7
49	GND	GND	50	GND or +5	GND or +5

**ORDERING INFORMATION:**

4I24H      24mA PC/104 PARALLEL I/O CARD

Add -I for industrial temperature range.