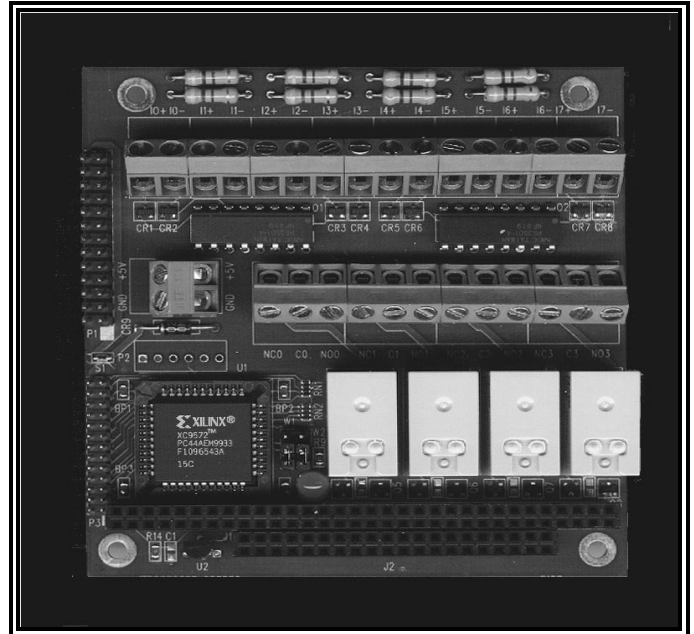


ISIO - LOW COST ISOLATED I/O

- **Opto-isolated I/O from printer port**
- **4 relay / transistor outputs**
- **8 opto-isolated inputs**
- **Screw terminals**
- **Low cost**
- **Outputs disabled at power up**
- **Up to 4 ISIOs can share a port**
- **PC/104 form factor**
- **Available in ind. temp. range**
- **Made in USA - local support**
- **2 year warranty**



The ISIO is an isolated I/O module that connects to a PC parallel port. 4 isolated transistor or relay outputs are provided, along with 8 isolated inputs.

The ISIO has a PC/104 card form factor, and can get its power from a PC/104 stack, but otherwise does not use the PC/104 interface. Because it uses the printer port interface, it can be located up to 10 feet from the host CPU.

The ISIO is available in 2 models, one with opto-isolated transistor outputs, and one with relay outputs. Relays are SPDT type with normally open and normally closed contacts.

Output relay rating is 2A, 24 VDC or 1A, 120 VAC. Output transistor rating is 1A 48 VDC maximum. Input rating is 48 VDC maximum continuous input with a minimum input sensitivity of 10 VDC,

The ISIO requires +5V at ~150 mA (transistor outputs) or up to ~550 mA for relay output models. 5V power can be supplied via the on card terminals, the PC/104 bus, or pin 26 of the printer port connector,

When first powered, the ISIO outputs are disabled to prevent host CPU activity on the printer port from causing inadvertent output changes. A specific 12 bit code must be sent to the ISIO to enable outputs.

Up to 4 ISIO modules can be daisy chained on a single parallel port. An ISIO can latch its outputs so that ISIOs connected to the same port can be accessed without disturbing outputs on other ISIO cards.

Like all Mesa products, the ISIO has a 2 year warranty.

SPECIFICATIONS:

	MIN	MAX	COMMENTS
isolated input voltage range	10V	48VDC	
Transistor output current rating	-----	1A	
Transistor output voltage rating	-----	48VDC	
Transistor output saturation voltage	-----	1.6V	@1A ICC
Relay output current rating	-----	2A	@24VDC
Relay output current rating	-----	1A	@120VAC
Isolation voltage - any I/O to parallel port	-----	500VAC	

ORDERING INFORMATION:

ISIO-R ISOLATED I/O CARD WITH RELAY OUTPUTS

ISIO-T ISOLATED I/O CARD WITH DARLINGTON TRANSISTOR OUTPUTS

Add -I for industrial temperature range.