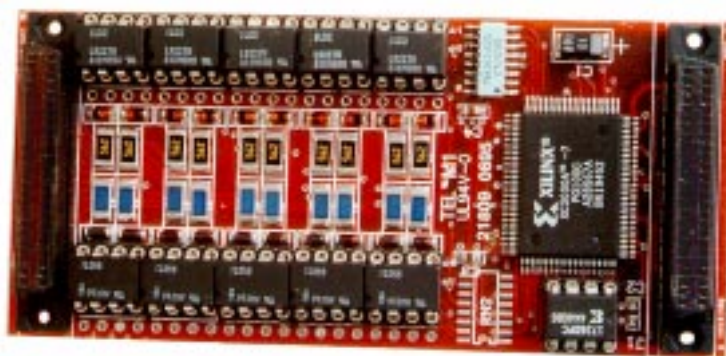


# IP-IO20

## Opto - isolated I/O module

- 20 differential I/O points available as
  - 20 inputs
  - 20 outputs
  - 10 inputs / 10 outputs
- Inputs
  - Fully opto-isolated
  - Input voltage 12-50V
  - 2.5kV isolation
  - Reverse polarity protection
  - Interrupt generation on data change
- Outputs
  - Individual solid state voltage free switches
  - Output transient suppression
  - 2.5kV isolation
  - Up to 55V output
  - 100mA continuous per output
  - Less than 1V drop at 50mA output
- 8MHz Single width IndustryPack™ compatible
- Conforms to IndustryPack™ Logic Specification Rev 0.7.1
- Extended environmental specification available
- Full OS-9 driver support

The IP-IO20 is a cost effective IndustryPack™ compatible module providing twenty opto-isolated I/O connections. Three configurations are available as standard providing 20 input, 20 output or 10 input and 10 output respectively. Isolation of 2.5kVolts is maintained between any two I/O points and the IP bus enabling it to be used in a number of demanding applications.



Each input will operate with an input current as low as 2mA. With the standard input resistors input voltages of up to 50Volts can be applied allowing the IP-IO20 to be directly connected to plant wiring. Each input line can be programmed to interrupt on change of state.

The output lines are individually fed via solid state voltage free switches which provide isolation from line to line and from the logic interface. Each output is able to drive up to 100mA continuously with a power rating of 125mW.

A comprehensive driver for OS-9 is available supporting all output and input functions on the module.

For more demanding applications extended environmental specification modules are available.

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