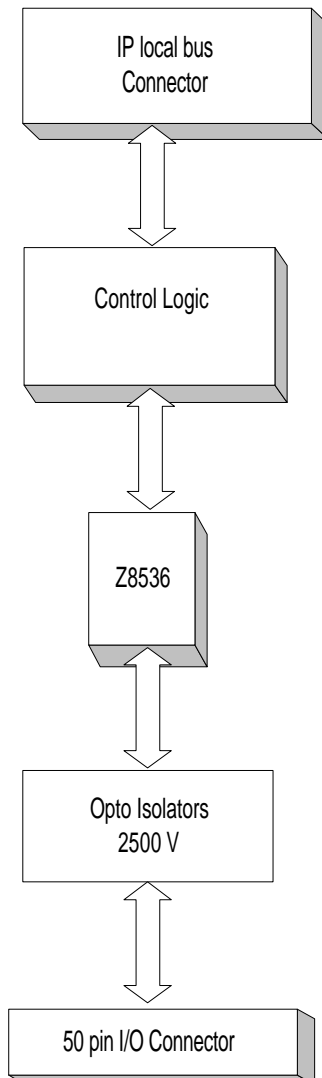


## Optically Isolated Input Industry Pack

### Zilog 8536 Counter, Timer, 16 bit Input

ATC-optoIN  
Functional Block Diagram



### FEATURE SUMMARY

- One Zilog Z8536 controller
- 16 digital isolated input lines
- 2 8 bit ports
- 4 interrupt lines
- Three 16 bit counter timers
- Pattern match capable with interrupt
- 2500 volt isolation
- 5-12-24-48 volt inputs option
- Low power 125 mA typ.
- 0 to +70 opt. -45 to +85
- Humidity 5 to 95 non-condensing
- Software examples included
- Meets VITA 4 specs.
- Single wide Industry Pack

### OVERVIEW

The ATC-optoIN module provides 16 digital input lines with three 16 bit counter/timer and 4 general purpose interruptible lines. Isolation is provided via Optical Isolators with a range of input voltage options, 5, 12, 24 or 48 volts.

The ATC-optoIN module is based on the Z8536 from Zilog. This device offers many capabilities for I/O control, interrupt generation, and a flexible pattern-recognition circuit.

### ORDERING INFORMATION

p/n:	ATC-optoIN	Z8536 two Octal ttl ports
	ATC-optoIN-I	-40 to +85 C
	CBL-HDR-HRS-50	50 pin cable
	TB-HDR-50	50 Pin terminal block

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