

# I-87052/I-87052-G

8-channel Isolated Digital Input Module



Model:I-87052



Model:I-87052-G

## Specifications

### Digital Input

Input Channels	8 (Sink)
Input Type	Isolation, Differential
On Voltage Level	+3.5V ~ 30V
Off Voltage Level	+1V max
Input Impedance	3K Ohms, 0.25W
Counters	Channels: 8
	Max. Input Frequency: 100Hz
	Min. Pulse Width: 5ms
Intra-module Isolation, Field to Logic	5000Vrms

### LED Display

1 LED as Power/ Communication Indicator  
8 LEDs as Digital Input Indicators

### Power

Power Consumption 0.3W

### Environment

Operating Temperature -25 to 75 °XC  
Storage Temperature -30 to 75 °XC  
Humidity 5 to 95%, Non-condensing

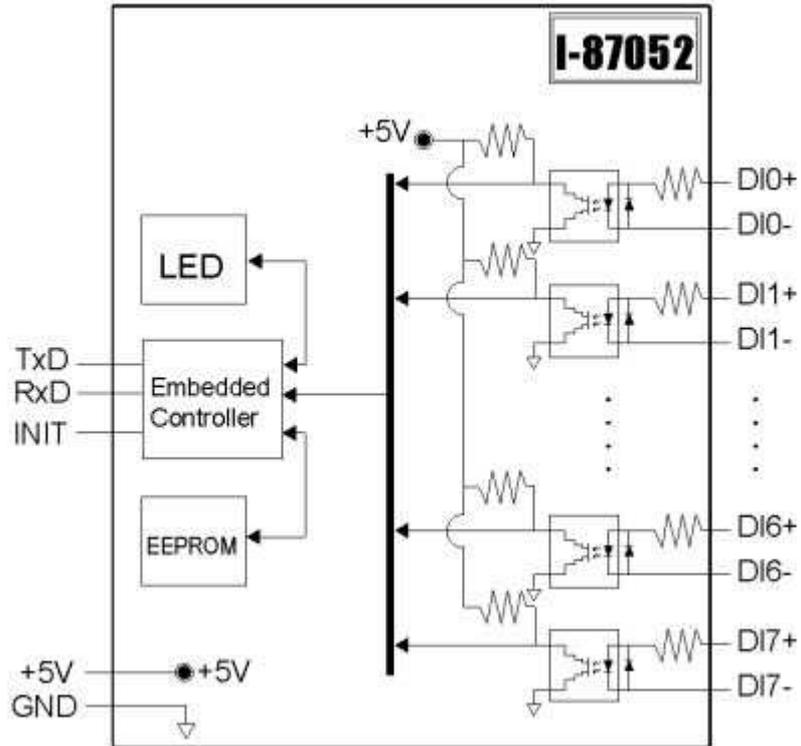
### Dimensions

## Ordering information

I-87052	8-channel Isolated Digital Input Module (Blue Cover)
I-87052-G	8-channel Isolated Digital Input Module (Gray Cover)

# I-87052/I-87052(G) Hardware

## Internal I/O Structure



## PIN Assignment



Terminal No.	Pin Assignment Name
01	D10+
02	D10-
03	D11+
04	D11-
05	D12+
06	D12-
07	D13+
08	D13-
09	D14+
10	D14-
11	D15+
12	D15-
13	D16+
14	D16-
15	D17+
16	D17-

## Wire Connection

Input Type	ON State LED ON Readback as 1	OFF State LED OFF Readback as 0
Relay Contact	<b>Relay ON</b>	<b>Relay Off</b>
TTL/CMOS Logic	<b>Voltage &lt; 1V</b>	<b>Voltage &gt; 3.5V</b>
Open	<b>Open Collector On</b>	<b>Open Collector Off</b>