

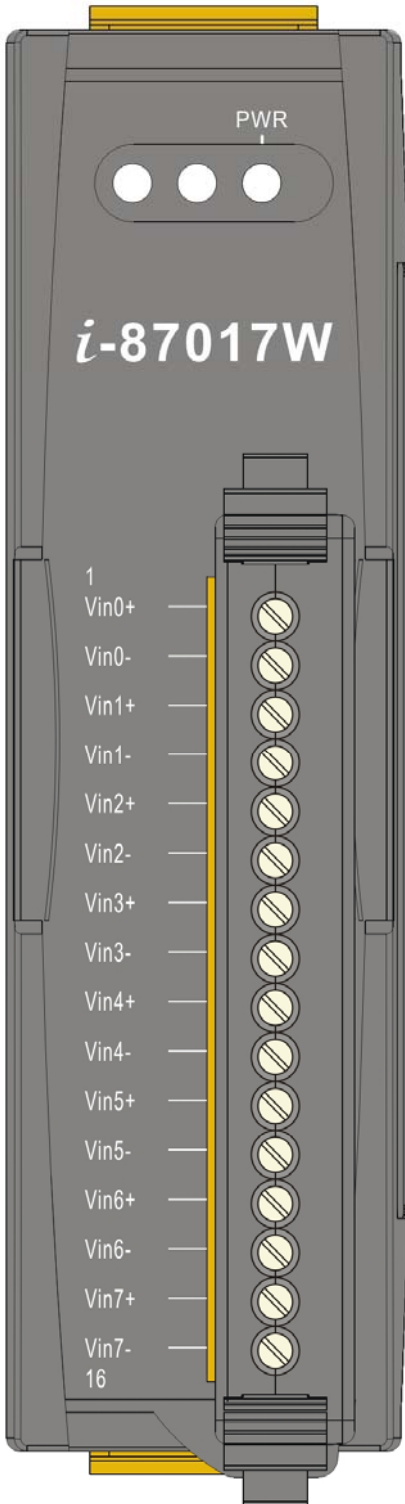
# I-87017W Hardware User Guide *Ver. 1.1*

*Last Modified 05/07/2007*

## *I-87017W Specifications*

<b>Analog Input Module</b>	
<b>Input Channels</b>	<b><i>8 differential</i></b>
<b>Resolution</b>	<b><i>12/16-bits (Fast/Normal)</i></b>
<b>Input Type</b>	<b><i>±10V, ±5V, ±1V, ±500mV, ±150mV ±20mA (Require External 125 Ohm Resistor)</i></b>
<b>Sampling Rate</b>	<b><i>Normal mode: 10 samples/second total Fast mode: 60 samples/second total</i></b>
<b>-3dB Bandwidth</b>	<b><i>15.7Hz(Normal) / 78.7Hz(Fast)</i></b>
<b>Accuracy</b>	<b><i>Normal mode: +/- 0.1% or better Fast mode: +/- 0.5% or better</i></b>
<b>Common Mode Rejection</b>	<b><i>86dB</i></b>
<b>Normal Mode Rejection</b>	<b><i>100dB</i></b>
<b>Input Impedance</b>	<b><i>20M Ohms</i></b>
<b>Over voltage Protection</b>	<b><i>-35V to +35V</i></b>
<b>4KV ESD Protection</b>	<b><i>Yes(Contact)</i></b>
<b>Isolation Voltage</b>	<b><i>3000VDC</i></b>
<b>Power Consumption</b>	<b><i>1.3W max.</i></b>

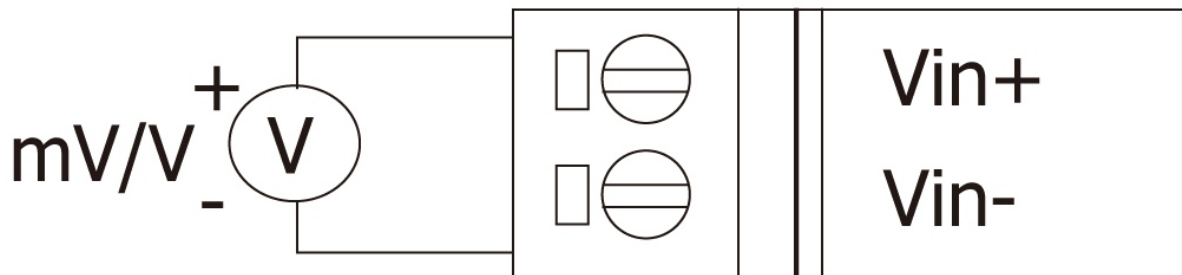
# I-87017W Pin Assignment



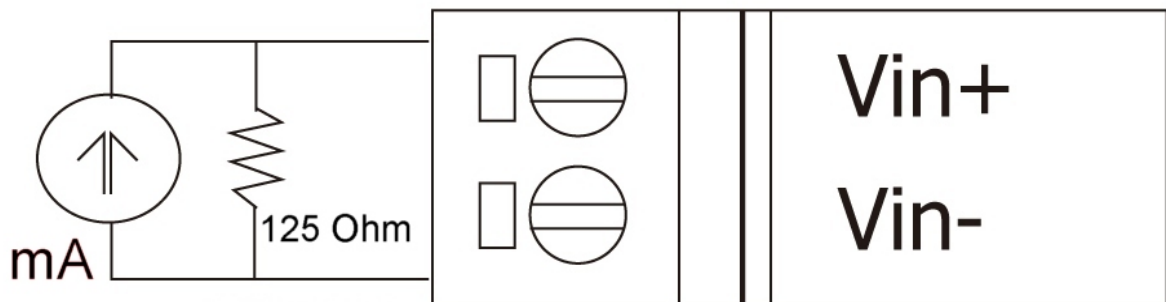
Terminal No.	Pin Assignment Name
01	Vin0+
02	Vin0-
03	Vin1+
04	Vin1-
05	Vin2+
06	Vin2-
07	Vin3+
08	Vin3-
09	Vin4+
10	Vin4-
11	Vin5+
12	Vin5-
13	Vin6+
14	Vin6-
15	Vin7+
16	Vin7-

# ***I-87017W Wire Connection Type***

## ***Voltage Input Wiring***



## ***Current Input Wiring***



**Requires Optional External 125 Ohm Resistor**

# I-87017W Internal I/O Structure

