

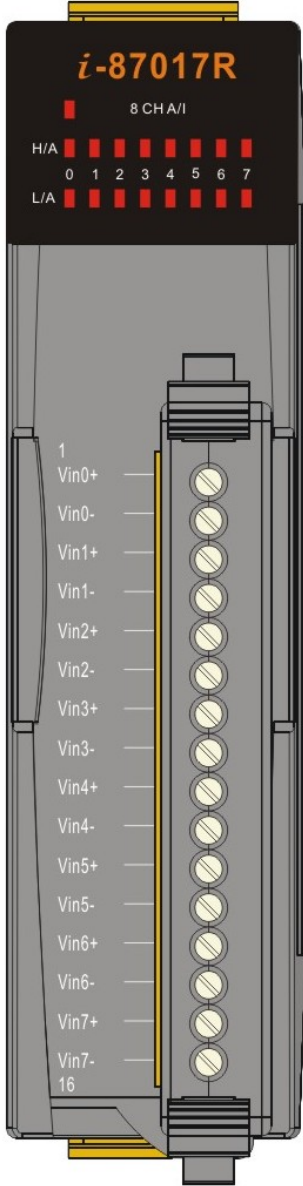
I-87017R Hardware User Guide *Ver. 1.1*

Last Modified 05/11/2007

87017R Specifications

Analog Input Module	
Input Channels	8 differential
Resolution	12/16-bits (Fast/Normal)
Input Type	$\pm 10V$, $\pm 5V$, $\pm 1V$, $\pm 500mV$, $\pm 150mV$, $\pm 20mA$
Sampling Rate	Normal mode: 10 samples/second total Fast mode: 60 samples/second total
-3dB Bandwidth	15.7Hz
Accuracy	Normal mode: $\pm 0.1\%$ or better Fast mode: $\pm 0.5\%$ or better
Common Mode Rejection	86dB
Input Impedance	$>1M$ Ohms
Over voltage Protection	240 Vrms
Isolation Voltage	3000V DC
Power Consumption	1.3W max.

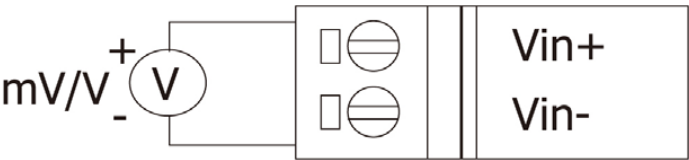
I-87017R Pin Assignment



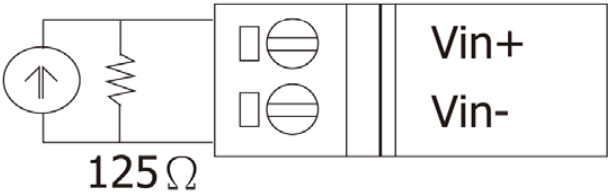
Terminal No.	Pin Assignment Name
01	Vin0+
02	Vin0-
03	Vin1+
04	Vin1-
05	Vin2+
06	Vin2-
07	Vin3+
08	Vin3-
09	Vin4+
10	Vin4-
11	Vin5+
12	Vin5-
13	Vin6+
14	Vin6-
15	Vin7+
16	Vin7-

I-87017R Wire Connection Type

Voltage Input Wiring



Current Input Wiring



TYPE	SIGNAL
08	± 10V
09	± 50V
0A	± 1V
0B	± 500mV
0C	± 150mV
0D	± 20mA

Note: When connecting to a current source, an optional external 125Ω resistor is required.

I-87017R Internal I/O Structure

