

I-8026W

6-ch Analog Input, 2-ch Analog Output,
2-ch Digital Input and 2-ch Digital Output Module

Features

- Multifunction (6 AI, 2 AO, 2 DI and 2 DO)
- Overload and Short Circuit Protection for Digital Output
- Individual Channel Configuration
- 4 kV ESD Protection
- 3000 VDC Intra-module Isolation
- Wide Operating Temperature Range: -25 ~ +75 °C

Introduction

The I-8026W is a multifunction module that includes 6 Analog Input channels, 2 Analog Output channels, 2 Digital Input channels, 2 Digital Output channels. It provides a programmable input range on all Analog Inputs (±10 VDC, ±5 VDC, ±2.5 VDC, ±1.25 VDC, ±20 mA (Jumper Select), Analog Outputs are 12-bit at ±10 VDC, ±5 VDC, 0 ~ 10 VDC, 0 ~ 5 VDC, 0 ~ 20 mA. Each analog input can be confi gured for an individual range and provides a high overvoltage protection of 240 Vrms. Voltage and current inputs/outputs are jumper selectable.

System Specifications

LED Display	
System LED Indicator	1 LED as Power Indicator
I/O LED Indicator	16 LEDs as I/O Status Indicator
Isolation	
Intra-module Isolation, Field-to-Logic	2500 VDC
EMS Protection	
ESD (IEC 61000-4-2)	±4 kV Contact for each Terminal
Power	
Consumption	1.8 W Max.
Mechanical	
Dimensions (W x L x H)	30 mm x 102 mm x 115 mm
Environment	
Operating Temperature	-25 ~ +75 °C
Storage Temperature	-40 ~ +85 °C
Humidity	10 ~ 90 % RH, Non-condensing

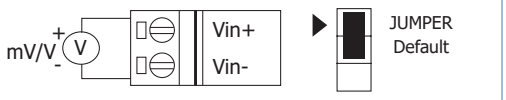
I/O Specifications

Analog Input	
Channels	6
Range	±10 V, ±5 V, ±2.5 V, ±1.25 V, ±20 mA (Jumper Select)
Resolution	12-bit
Accuracy	0.2% of FSR ±1 LSB
Overvoltage Protection	240 Vrms
Input Impedance	>2 MΩ
Sampling Rate	Max. to 9k Samples/Sec.
Individual Channel Configuration	Yes
Analog Output	
Channels	2
Range	±10 V, ±5 V, 0 ~ 10 V, 0 ~ 5 V, 0 ~ 20 mA (Jumper Select)
Resolution	12-bit
Accuracy	± 0.2% of FSR
Voltage Output Capability	10 VDC @ 20 mA
Digital Input	
Channels	2
Type	Wet Contact
Sink/Source (NPN/PNP)	Sink/Source
ON Voltage Level	+10 ~ +30 VDC
OFF Voltage Level	+4 VDC Max.
Digital Output	
Channels	2
Type	Isolated Open Collector
Sink/Source (NPN/PNP)	Sink
Load Voltage	+5 ~ +30 VDC
Load Current	100 mA/Channel

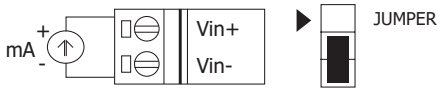
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Wire Connections

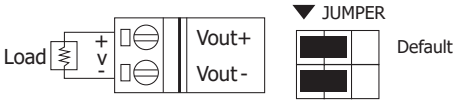
Voltage Input



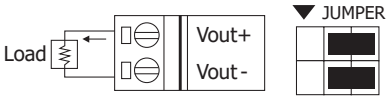
Current Input

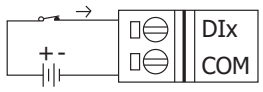
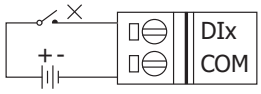
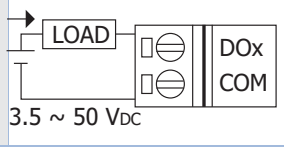
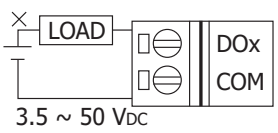


Voltage Output

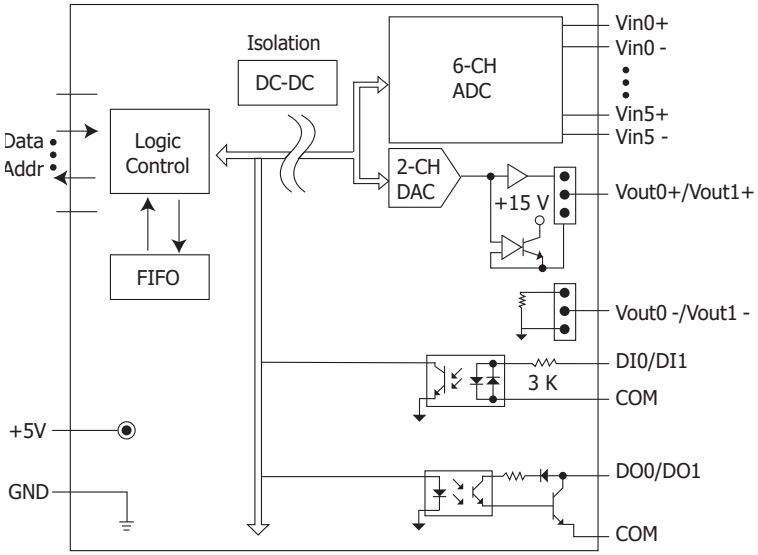


Current Output

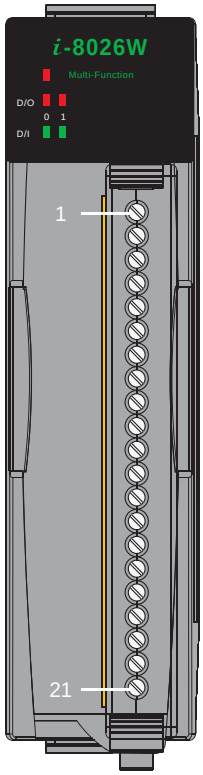


	ON State Readback as 1	OFF State Readback as 0
Digital Input/Counter		
Wet Contact (Sink)		
Digital Output		
Open Collector (Sink)		

Internal I/O Structure

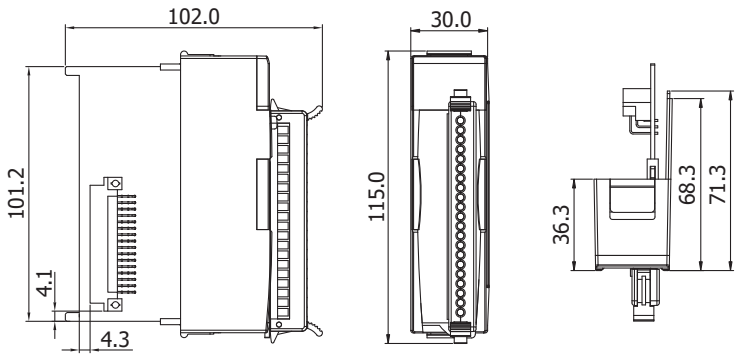


Pin Assignments



Terminal No.	Pin Assignment
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	Vout0+
14	Vout0-
15	Vout1+
16	Vout1-
17	DO0
18	DO1
19	DI1
20	COM

Dimensions (Units: mm)



Left View | Front View | Top View

Ordering Information

I-8026W-G CR	6-channel Analog Input, 2-channel Analog Output, 2-channel Digital Input and 2-channel Digital Output Module (RoHS)

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