



I-8017DW/I-8017HCW 8-channel Analog Input Module

Introduction

The I-8017HW is a high performance analog input module. Up to 16-channel single-ended or 8-channel differential inputs can be connected to one module.

It features 14-bit resolution, 100Ks/s sampling rates. It provides isolation protection of 2500 Vrms.

Features

- 14-bit 100 KHz AD Converter
- Internal or External Trigger

Specifications

Models	I-8017HCW	I-8017DW
Analog Input		
Input Channels	16-ch Single-ended/8-ch Differential	
Voltage Input Range	+/- 10V, +/- 5V, +/- 2.5V, +/- 1.25V	
Current Input Range +20 ~ -20mA	Jumper Select	Jumper Select
Resolution	14-bit	
Sample Rate	Single Channel Polling Mode :100K S/s Single Channel Interrupt Mode: 50K S/s 8 channel Scan Mode : 16 K S/s	
Accuracy	±0.1% of FSR	
Zero drift	± 0.1uV/°C	
Span drift	± 10ppm/°C	
ESD Protection	4KV	
Input Impedance	20K, 200K, 20M(Jumper Select)	
Input Bandwidth	100 KHz	
Intra-module Isolation, Field to Logic	2500 VDC	
Connector	20 Pin Terminal block	D-sub 37 Pin
LED Display		
1 LED as Power Indicator /16 LED as Status Indicator		
Power		
Power Consumption	2W Max	
Environment		
Operating Temperature	-25 ~ 75 °C	
Storage Temperature	-30 ~ 75 °C	
Humidity	5 ~ 95%, Non-condensing	
Dimensions		
30 x 102 x 115 (W x D x H)		

Ordering information

I-8017DW CR	8-channel Analog Input Module (Gray Cover) (RoHS)
I-8017HCW CR	8-channel Analog Input Module (Gray Cover)(RoHs)