



EC4-AD8

EtherCAT Slim I/O Module with 16-bit, 8-ch AI

Features

- On the fly processing: EtherCAT
- EtherCAT conformance test tool verified
- Removable terminal block connector
- 16-bit,8-ch Differential Analog input



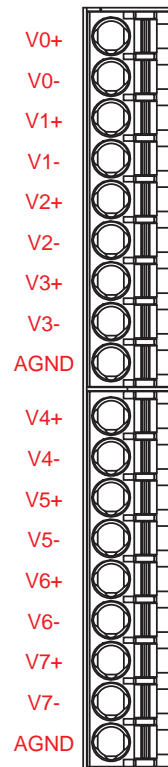
Introduction

The EC4-AD8 is based on a slim-type design and is built with 16-bit, 8-channel differential inputs. Users can obtain the analog input via the process data. It has passed and verified by the conformance test tool, . It features the EtherCAT protocol, providing a system with higher scalability and fewer cables. The EC4-AD8 can be easily operated by compatible EtherCAT MainDevice, facilitating the implementation of various applications.

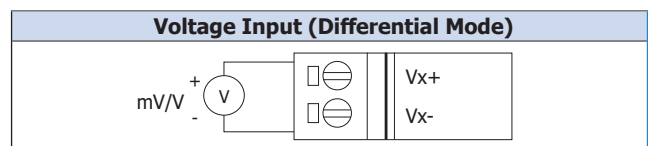
Specifications

EMS Protection	
EFT (IEC 61000-4-4)	Signal: 1 KV Class B; Power: 1 KV Class B
ESD (IEC 61000-4-2)	±4 KV Contact for Each Terminal
Surge (IEC 61000-4-5)	± 1 KV Class A
Analog Input	
Channels	8 Diff
Type	Voltage
Range	0~10V, ±10 V, ±5 V, ±2.5 V (Software selectable)
Resolution	16-bit
Accuracy	0.05% of FSR
Sampling Rate	1k Hz per channel
Overvoltage Protection	±35 VDC
Individual Channel Configuration	Yes (Range & Filter setting function is not supported)
Open Wire Detection	No
EtherCAT	
Cycle Time	100 μs
Distributed Clocks	Yes
Power	
Input Range	+24 VDC
Consumption	2 W
Mechanical	
Casing	Plastic
Dimensions (mm)	17.5 x 108 x 90 (W x L x D)
Installation	DIN-Rail or Wall Mounting
Environment	
Operating Temperature	-25 ~ +70°C
Storage Temperature	-30 ~ +80°C
Humidity	10 ~ 90% RH, Non-condensing

Pin Assignments



Wire Connections



Applications

Create your own I/O module

Maximize your I/O system and applications in limited space



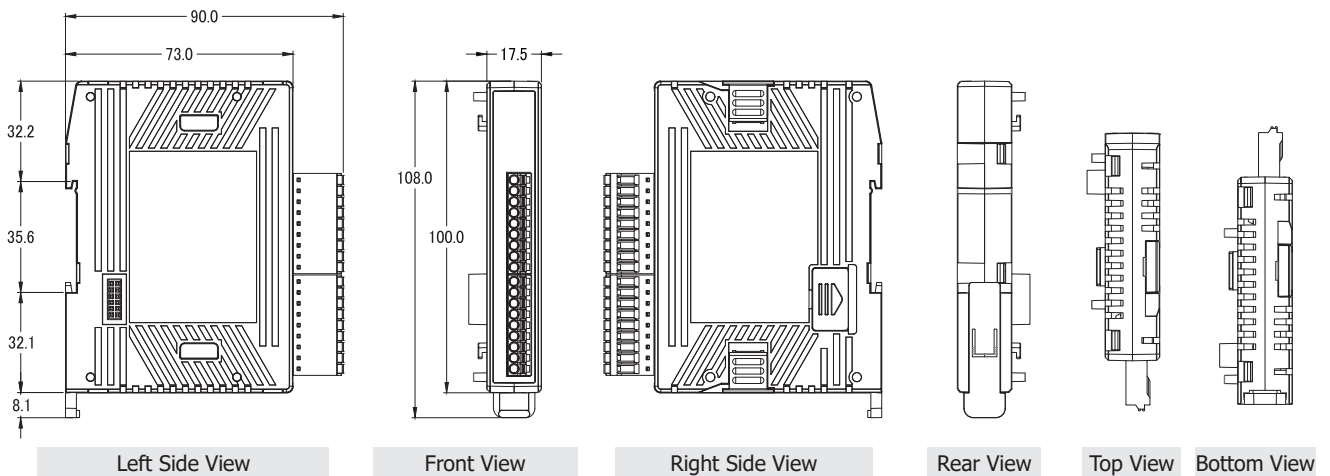
▲ PAC/PLC (EMP-905X)

EtherCAT

- Digital I/O
- Analog I/O
- Strain measurement
- Temperature measurement
- Motion Control
- Communication coupler



Dimensions (Units: mm)



Ordering Information

EC4-AD8 CR EtherCAT Slim I/O Module with 16-bit, 8-ch AI (RoHS)