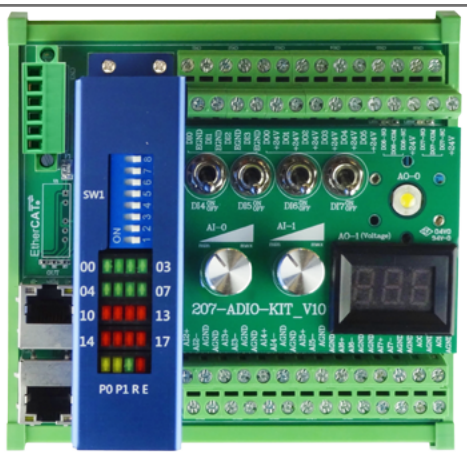
EtherCAT Slave Start-Kit
207-ADIO-Kit



8 Ch. AI / 2 Ch. AO / 8 Ch. DI / 8 Ch. DO Slave Module

Features

- DIN rail mounting (L-122 x W-124 x H-104 mm)
- Max. 100Mbps transfer rate
- Easy installation with RJ45 phone jack and LED diagnostic
- 207-ADIO-Kit supports TwinCAT with ESI File, and Object Dictionary of PDO and SDO

DI/O Control

Input types	NPN
Input impedance	5.6KΩ/0.5W
Input current	±5mA(Max)
Output type	NPN open collector Darlington transistors
Switch capacity	Each output Ch. is 350mA at 24VDC
Response time	On to Off, about 50μs; Off to On, about 10μs
Over current protection	3A (Max.) for each port (8 Ch.)

Ordering information

- **207-ADIO-Kit**
  8 Ch. AI / 2 Ch. AO / 8 Ch. DI / 8 Ch. DO slave module with Switch / LED / Meter on-board
- **207-A121D**
  8 Ch. AI and 2 Ch. AO
- **SCB-1BB-06A/10A/20A/30A/50A/A0A**
  CAT5 LAN cable, 0.6M/1M/2M/3M/5M/10M

Specification

EtherCAT®

Serial interface	Fast Ethernet, Full-Duplex
Distributed Clock	1ms
Cable type	CAT5 UTP/STP Ethernet cable
Surge protection	10KV
Transmission speed	100 Mbps
I/O isolation voltage	3.75KVrms

AD Converter

Effective resolution	16 bits
Fetch frequency	Max. 1KHz (DC Mode)
Input range	Single End: ±10 /±5 /±2.5 /±1.25V Differential: ±10 /±5 /±2.5 /±1.25V
Input current	0~20mA

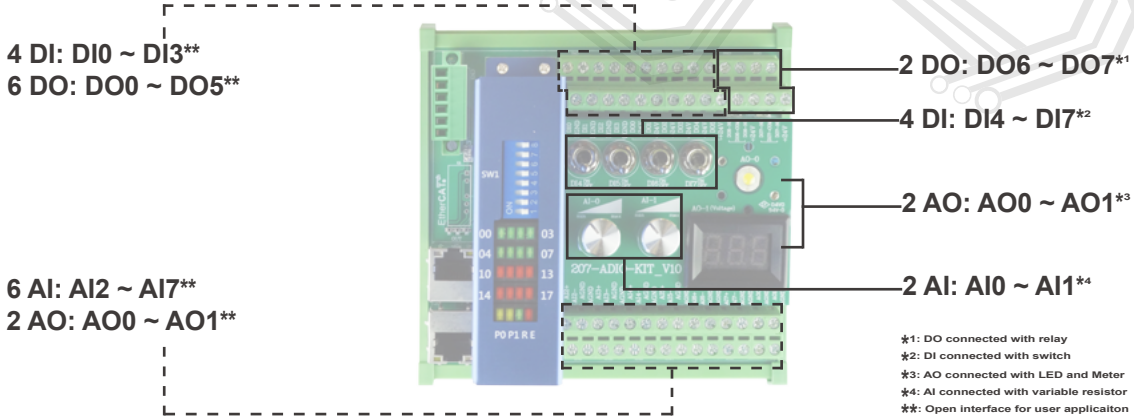
DA Converter

Effective resolution	12 bits
Output range	±10V
Operation mode	Ramp and Noise, Single Value, Single Coupled Value,Pattern

General

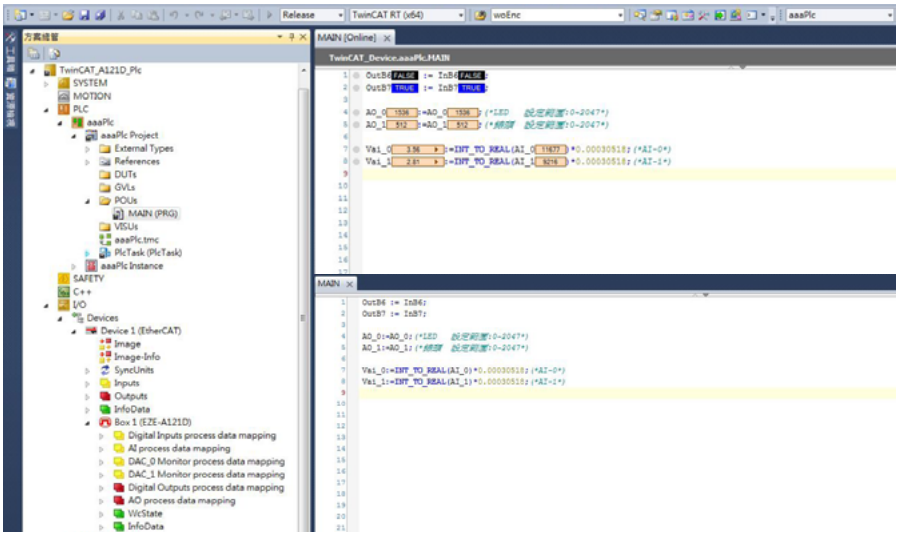
Power supply	24VDC
Power consumption	3W typical
Working temperature	0 to 60˚C

Illustration of Wiring



Sample Program

Sample program under TwinCAT



Demo Program

Demo program under C#