



CAN-ZUZZC CANopen Slave Module with 2-channel Isolated AI, 2-channel Isolated AO, 4-channel Isolated DI, 4-channel Isolated DO

Features

NMT Slave

- Provide Pair-Connect function
- Passed the validation of CiA CANopen Conformance Test tool
- ESD Protection 4KV Contact for each channel
- Support Power supply 10 ~30 VDC
- Support CiA-301 v4.02, CiA-401 v2.1
- Provide default EDS file

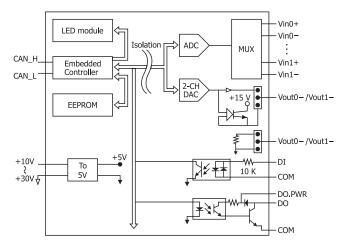


Introduction

CANopen is one kind of the network protocols based on the CAN bus and mainly used for embedded network of machine control, such as industrial machine control, aircraft engines monitoring, factory automation, medical equipment control, remote data acquisition, environmental monitoring, and packaging machines control, etc.

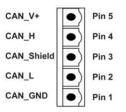
CAN-2022C module follows the CiA-301 version 4.02 and CiA-401 version 2.1. You can access the analog/digital I/O status and set the configuration by using standard CANopen protocol. CAN-2022C has passed the validation of the CiA CANopen conformance test tool. Therefore, you can use it with standard CANopen master easily by applying the EDS file. CAN-2022C has 2 analog input channels, 2 analog output channels, 4 digital input channels and 4 digital output channel. By owing to the CANopen masters of ICP DAS, you can quickly build a CANopen network to approach your requirements.

Internal I/O Structure



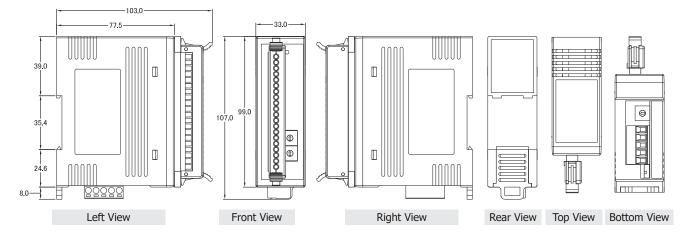
CAN Pin & Baud Rate Rotary

Baud rotary s



`A	Switch	Baud Rate
F	0	10 kbps
t	1	20 kbps
rate witch	2	50 kbps
	3	125 kbps
	4	250 kbps
	5	500 kbps
	6	800 kbps
	7	1000 kbps

Dimensions (Units: mm)



Specifications

CAN InterfaceConnector5-pin screwed terminal block (CAN_GND, CAN_L, CAN_SHLD, CAN_H, CAN_V-Baud Rate(bps)10k,20k,50k,125k,250k500k,800k,1MTerminal ResistorSwitch for 120Ω terminal resistorNode ID1~99 selected by rotary switchProtocolCANopen CiA301 ver4.02,CiA-401 ver2.1No. of PDOS10Rx,10Tx(Support Dynamic PDO)PDO ModeEvent Triggered,Remotely requested,Cyclic and acyclic SYNCPowerInput rangeUnregulated +10 ~ +30 VDCPower Consumption1.8WLED2 LEDs as Analog Input, 2 LEDs as Analog Output LEDs as Digital Input, 4 LEDs as Digital Output, a 1 LED as terminal resister indicatorMechanism2 2 So 75 °CDimensions33 mm x 99 mm x78 mm(WxLxH)Environment-25 ~ 75 °COperating Temp-25 ~ 75 °CStorage Temp-30 ~ 80 °CHumidity5~ 95% RH, non-condensingAnalog Input2 (Differential)Input Type±10V, ±5V, ±2.5V, ±1.25V, ±1V, ±500mV, ±250Sampling Rate60 Samples/Sec.(Total)Zero Drift+/-10 uV/°CSpan Drift+/-25 ppm/ °CCommon Mode86 dB Min
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Span Drift +/-25 ppm/ °C
Common Mode
Common Mode
Rejection
Normal Mode Rejection 100 dB
Resolution 16-bit
Over voltage protection 240 Vrms
Individual channel configuration Yes
Analog Output
Output channels 2
Output Type +0V ~ +5V, +/-5V, +0 V ~ +10V,+/-10V
Resolution 12-bit
Accuracy +/-0.1% of FSR
Voltage Output Capability 10 V @ 20 mA
Current Load Resistance 500 Ω

Power-on value	Yes
Safe value	Yes
Digital Output	
Output channels	4
Output Type	Isolated Open Collector(Sink)
Max Load currrent	700 Ma/channel Max.
Load Voltage	+3.5 VDC ~ +50 VDC
Over voltage protection	60VDC
Overload protection	Yes
Short Circuit protect	Yes
Power-on value	Yes,Programmable
Safe value	Yes,Programmable
Digital Input	
Input channels	4
Input Type	Wet contact(Sink)
On Voltage Level	+3.5 VDC ~ 30 VDC
Off Voltage Level	+1 VDC Max.
Input Impedance	10 KΩ, 0.66W
Over voltage protection	70VDC

Pin Assignments

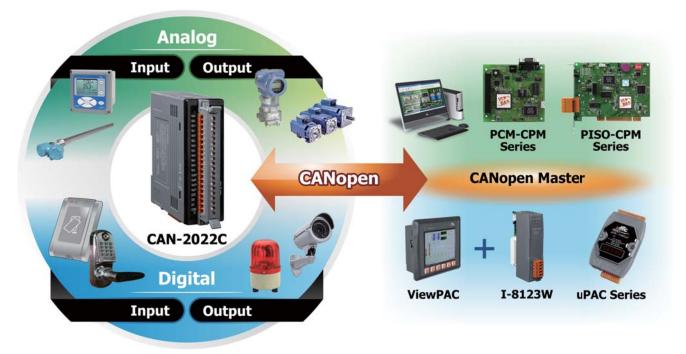
Tern	ninal No.	Pin Assignment
C I	01	Vin0+
C o (02	Vin0-
	03	Vin1+
	04	Vin1-
	05	Vout0+
	06	Vout0-
C I	07	Vout1+
	08	Vout1-
Ľ.	09	N/A
	10	N/A
	11	DIO
	12	DI1
	13	DI2
	14	DI3
	15	COM
	16	DO0
	17	DO1
	18	DO2
	19	DO3
	20	GND



Wire Connections

Voltage Input			
mV/V + V + V + V + V + V + V + V + V + V			
Voltage Output			
	Load $\underbrace{\begin{array}{c} + \\ \underline{} $		
Digital Input/Cpimter	ON State Readback as 1	OFF State Readback as 0	
Wet Contact (Sink)	→ □⊖ DIx +- □⊖ COM		
Digital Output	ON State Readback as 1	OFF State Readback as 0	
Open Collector (Sink)	→ LOAD- □ 	LOAD DOX 	

Applications



Ordering Information

CAN-2022C CR	CANopen Slave Module with 2-channel Isolated AI, 2-channel Isolated AO, 4-channel Isolated DI, 4-channel Isolated DO (RoHS)
	Isolated DO (RoHS)