

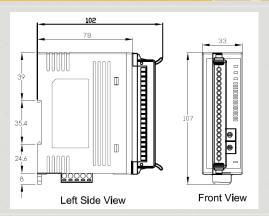
# **CANopen Series Products**

## 4 Ch DI & 4 Ch DO Relay Output CANopen Slave





CAN-2060C



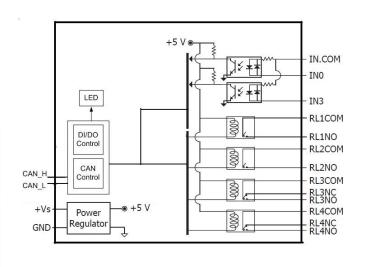
### **Dimensions**

CAN-2060C module follows the CiA-301 version 4.02 and CiA-401 version 2.1. You can access the digital I/O status and set the configuration by using standard CANopen protocol. CAN-2060C 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-2060C has 4 isolated sink/source input channels and 4 relay output channels. It can be used to various applications. By owing to the CANopen masters of ICP DAS, you can quickly build a CANopen network to approach your requirement.

#### Features

- NMT Slave
- Provide Pair-Connect function
- Provide default EDS file
- ESD Protection 4KV Contact for each channel
- Support Power supply 10 ~30 V<sub>DC</sub>
- Support CiA-301 v4.02, CiA-401 v2.1
- Support PDO Mapping

#### Internal I/O Structure



#### **I/O Pin & Wire Connection**

67			Input Type	ON Chita LED ON	ON Charles LED OFF	
Termin	Ferminal No. Pin Assignment		Dry Contact	ON State LED ON	ON State LED OFF	
0 (	01	DLCOM		Relay ON	Relay OFF	
\[ \a \]	02	DIO	Relay Contact	Relay Close Charles GND	Relay Open GND	
(	03	DII		Voltage < 4V	Voltage > 10V	
ا م	04	D12	TTL/CMOS Logic	Logic GND DIX GND	Logic CND	
[ ] a (	05	DI3		Open Collector ON	Open Collector OFF	
[ o ]	06	GND	Open Collector	ON LI DIX GND	OFF € X DE GND	
[ n (	07			<b>*</b> L <b>-</b> 11	÷ [-0]	
00(	08	NO0	Input Type Wet Contact	ON State LED ON	OFF State LED OFF	
	09	COM0		Relay ON	Relay OFF	
D D	7.0	0.000.000.000	Relay Contact	DI.COM	DI.COM	
	10	NO1		Relay Close	Relay Open	
(	11	COM1	TTL/CMOS	Voltage > 10 V	Voltage < 4 V	
\ a (	12	NO2	Logic	Logic Level Low DIx	Logic Level High	
[ a (	13	COM2		Open Collector ON	Open Collector OFF	
\ <u> </u>	14	NO3	NPN Output	□ DI.COM DIX	OFF □ DI.COM DIX	
_ n (	15	COM3		Open Collector ON	Open Collector OFF	
\ <u> </u>	16		PNP Output	DI.COM DIX	DI.COM DIX	
0 0 (	17			ON Chata LED ON	OFF Chata LED OFF	
			Output Type	ON State LED ON	OFF State LED OFF	
70	18					
		150 500		Relay ON	Relay OFF	
250	18 19 20	(20 mg)	Relay	Relay ON  RLx NO RLx COM	Relay OFF  RLx NO RLx COM	

#### CAN Pin & Baud Rate Rotary

CAN_V+	•)	Pin 5	BCA
CAN_L	lacksquare	Pin 4	
CAN_Shield	lacksquare	Pin 3	13450
CAN_L		Pin 2	Baud rate
CAN_GND	$  \bullet \rangle$	Pin 1	rotary switch

Switch Value	Baud Rate
0	10 kbps
1	20 kbps
2	50 kbps
3	125 kbps
4	250 kbps
5	500 kbps
6	800 kbps
7	1000 kbps

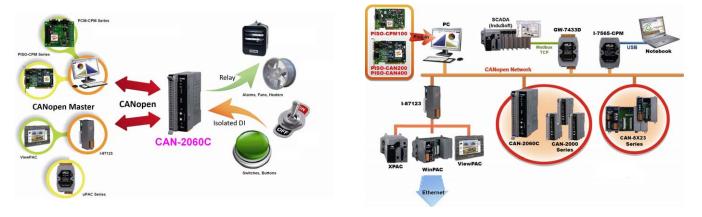




## **Hardware Specifications**

CAN Interface				
Connector	5-pin screwed terminal block (CAN_GND, CAN_L, CAN_SHLD, CAN_H, CAN_V+)			
Baud Rate (bps)	10 k, 20 k, 50 k, 125 k, 250 k, 500 k, 800 k, 1M			
Terminator Resistor	Switch for 120 Ω terminator resistor			
Node ID	1~99 selected by rotary switch			
Protocol	CANopen CiA-301 ver4.02, CiA-401 ver2.1			
No. of PDOs	10 Rx, 10Tx (Support Dynamic PDO)			
PDO Mode	Event Triggered, Remotely requested, Cyclic and acyclic SYNC			
<b>Digital Input</b>				
Channels	4 (Sink/Source)			
On Voltage Level	$3.5 \sim 30 \text{ V}_{DC}$			
Off Voltage Level	+1 V <sub>DC</sub> Max			
Response Time	250 us			
ESD protection	4kV contact for each channel			
Relay Output				
Channels	4			
Туре	Form A (SPST-NO)			
Resistive Load	5 A			
LED				
Round LED	PWR LED, RUN LED, ERR LED			
Alarm LED	4 LEDs for DI and Relay output individually, and 1 LED as terminal resister indicator			
Power				
Input range	Unregulated $+10 \sim +30 \text{ V}_{DC}$			
Power Consumption	1.5 W			
Mechanism				
Dimensions	33 mm x 99 mm x 78 mm (W x L x H)			
Environment				
Operating Temp.	-25 ~ 75 ℃			
Storage Temp.	-30 ~ 80 ℃			
Humidity	10 ~ 90% RH, non-condensing			

## Application



## Ordering Information

**CAN-2060C** CANopen module of 4- channel Digital Input and 4- channel Relay Output