

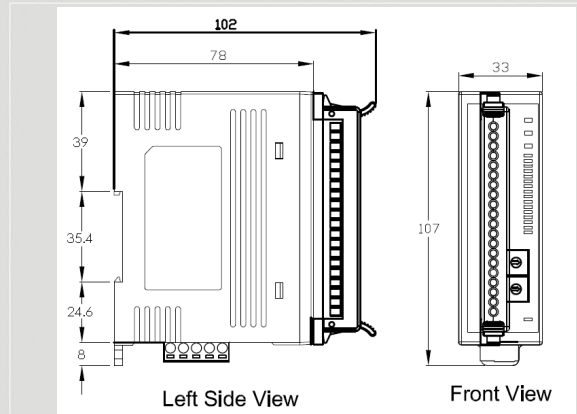


# CANopen Series Products

6 AI, 2 AO, 2DI and 1DO module of CANopen Slave



**CAN-2026C**



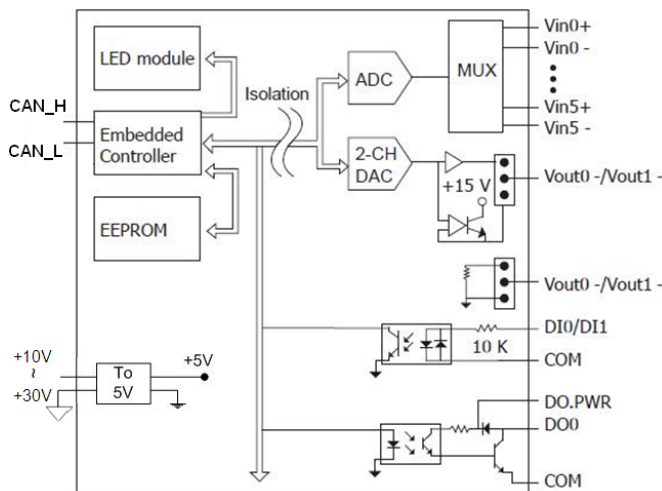
**Dimensions**

CAN-2026C 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-2026C 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-2026C has 6 differential analog input channels, 2 analog output channels, 2 sink input channels and 1 sink output channel. 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

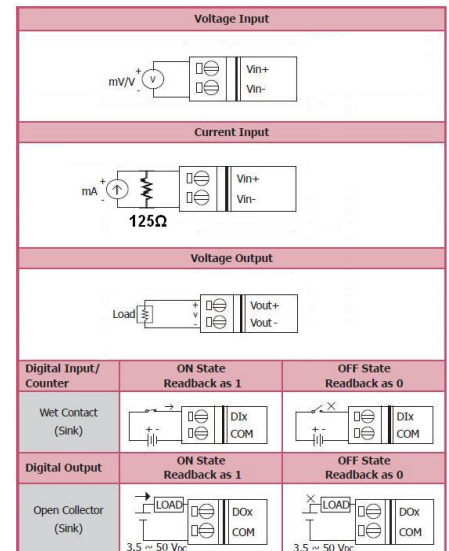
- NMT Slave
- Provide Pair-Connect function
- Provide default EDS file
- ESD Protection 4KV Contact for each channel
- Support Power supply 10 ~30 V<sub>DC</sub>
- Support CiA-301 v4.02, CiA-401 v2.1
- Support PDO Mapping

## Internal I/O Structure

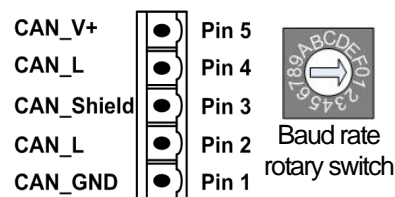


## I/O Pin & Wire Connection

| Terminal No. | Pin Assignment |
|--------------|----------------|
| 01           | Vin0+          |
| 02           | Vin0-          |
| 03           | Vin1+          |
| 04           | Vin1-          |
| 05           | Vin2+          |
| 06           | Vin2-          |
| 07           | Vin3+          |
| 08           | Vin3-          |
| 09           | Vin4+          |
| 10           | Vin4-          |
| 11           | Vin5+          |
| 12           | Vin5-          |
| 13           | Vout0+         |
| 14           | Vout0-         |
| 15           | Vout1+         |
| 16           | Vout1-         |
| 17           | DO0            |
| 18           | DI0            |
| 19           | DI1            |
| 20           | COM            |



## CAN Pin & Baud Rate Rotary



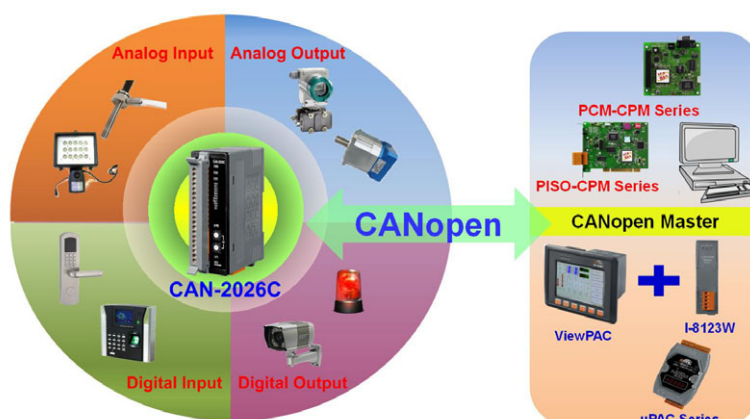
| Switch Value | Baud Rate |
|--------------|-----------|
| 0            | 10 kbps   |
| 1            | 20 kbps   |
| 2            | 50 kbps   |
| 3            | 125 kbps  |
| 4            | 250 kbps  |
| 5            | 500 kbps  |
| 6            | 800 kbps  |
| 7            | 1000 kbps |

## 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                            |
| Power                 |   |
| Input range           | Unregulated +10 ~ +30 V <sub>DC</sub>   |
| Power Consumption     | 1.8 W   |
| LED                   |   |
| Round LED             | PWR LED, RUN LED, ERR LED   |
| Mechanism             |   |
| Dimensions            | 33 mm x 99 mm x 78 mm (W x L x H)   |
| Environment           |   |
| Operating Temp.       | -25 ~ 75 °C   |
| Storage Temp.         | -30 ~ 80 °C   |
| Humidity              | 5~ 95% RH, non-condensing   |
| Analog Input          |   |
| Input Channels        | 6 (Differential)  |
| Input Type            | +/-150mV, +/-500 mV, +/-1V, +/-5 V, +/-10 V, +/-20 mA (External 125Ω resistor required) |
| Sampling Rate         | 60 Samples/Sec. (Total)   |
| Zero Drift            | +/-10 uV/°C   |
| Span Drift            | +/-25 ppm/ °C   |
| Common Mode Rejection | 86 dB Min.  |

| Analog Input                     |  |
|----------------------------------|--|
| 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                  | 1  |
| Output Type                      | Isolated Open Collector (Sink)             |
| Max Load current                 | 700 mA/channel Max.                        |
| Load Voltage                     | +3.5 V <sub>DC</sub> ~ +50 V <sub>DC</sub> |
| Over voltage protection          | 60 V <sub>DC</sub>                         |
| Overload protection              | Yes  |
| Short Circuit protection         | Yes  |
| Power-on value                   | Yes, Programmable                          |
| Safe value                       | Yes, Programmable                          |
| Digital Input                    |  |
| Input channels                   | 2  |
| Input Type                       | Wet contact (Sink)                         |
| On Voltage Level                 | +3.5 V <sub>DC</sub> ~ 30 V <sub>DC</sub>  |
| Off Voltage Level                | +1 V <sub>DC</sub> Max.                    |
| Input Impedance                  | 10 KΩ, 0.66W                               |
| Over voltage protection          | 70 V <sub>DC</sub>                         |

## Application



## Ordering Information

|                  |   |
|------------------|---|
| <b>CAN-2026C</b> | CANopen slave module with 6-channel AI, 2-channel AO, 1-channel DO and 2-channel DI |
|------------------|---|