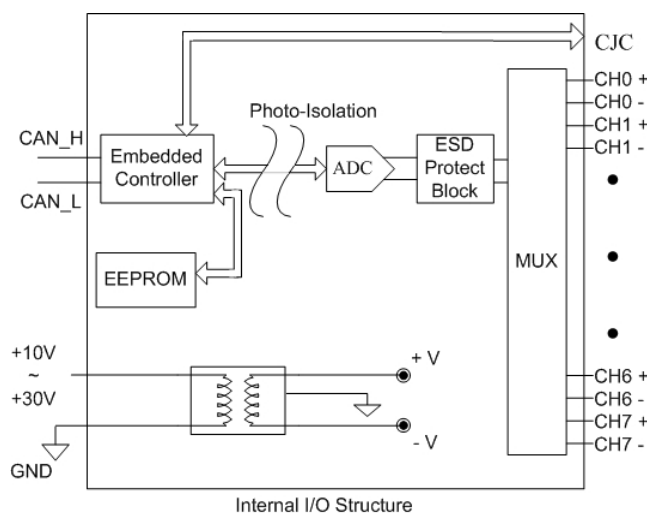


CAN-2018C

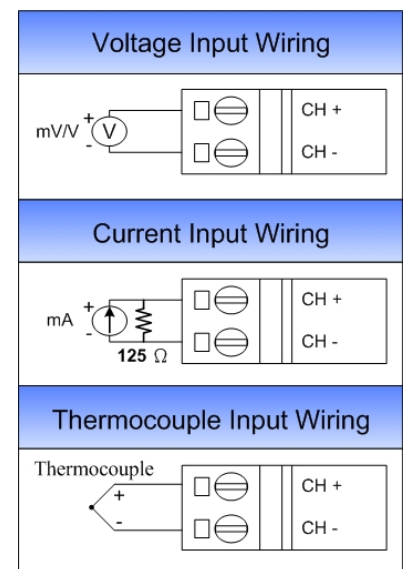
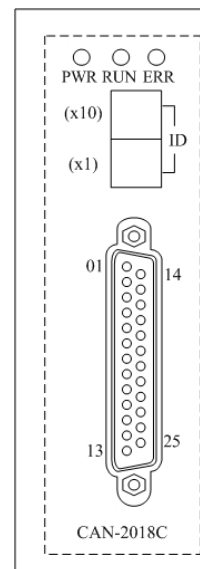
CAN-2018C module follows the CiA DS-301 version 4.02 and DSP-401 version 2.1. You can access the thermocouple input status and set the configuration by using standard CANopen protocol. CAN-2018C has passed the validation of the CiA CANopen conformance test tool. Therefore, you can use it with standard CANopen master easily by applying the EDS file. CAN-2018C has 8 differential thermocouple input channels. By the CANopen masters of ICP DAS, you can quickly build a CANopen network to approach your requirement.

- NMT Slave
- NMT Error Control support Guarding and Heartbeat
- Provide default EDS file
- Passed the validation of CiA CANopen conformance test tool
- ESD Protection 4 KV Contact for each channel
- Support Power Supply +10 ~ +30 V_{DC}
- Support CiA DS-301 v4.02, DSP-401 v2.1
- Support Dynamic PDO

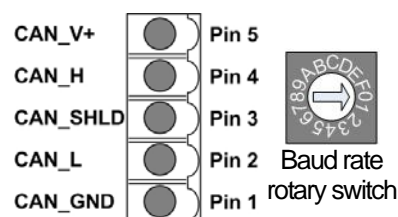
Internal I/O Structure



I/O Pin & Wire Connection



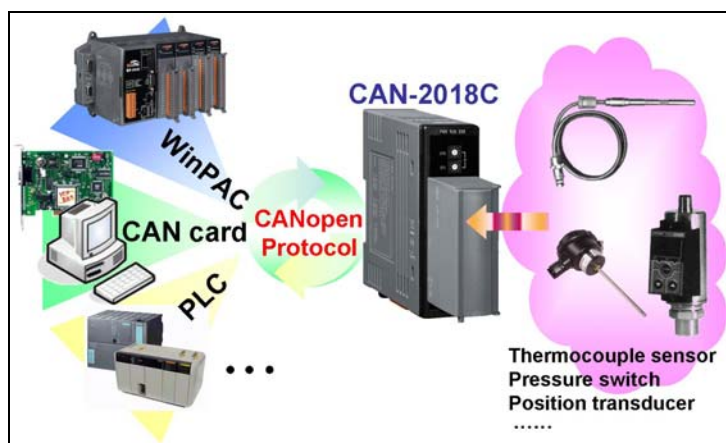
CAN Pin & Baud Rate Rotary



| 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 |

| 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 DS-301 ver4.02, DS-401 ver2.1 |
| No. of PDOs | 10 Rx, 10 Tx (support dynamic PDO) |
| PDO Mode | Event Triggered, Remotely requested, Cyclic and acyclic SYNC |
| Error Control | Node Guarding protocol and Heartbeat Producer protocol |
| Emergency Message | Yes |
| Analogue Input | |
| Channels | 8 Differential |
| Input Type | +/-15mV, +/-50mV, +/-100mV, +/-500mV, +/-1V, +/-2.5V -20mA ~ +20mA (Requires Optional External 125 Ω Resistor) Thermocouple (J, K, T, E, R, S, B, N, C) |
| Resolution | 16-bit |
| Accuracy | +/-0.1% FSR |
| ESD Protection | 4 kV Contact for each channel |
| LED | |
| Round LED | PWR LED, RUN LED, ERR LED |
| Power | |
| Input range | Unregulated +10 ~ +30 V _{DC} |
| Power Consumption | 1.5 W |
| Mechanism | |
| Installation | DIN-Rail |
| Dimensions | 32.3 mm x 99 mm x 78 mm (W x L x H) |
| Environment | |
| Operating Temp. | -25 ~ 75 °C |
| Storage Temp. | -30 ~ 80 °C |
| Humidity | 10 ~ 90% RH, non-condensing |

Applications



Ordering Information

Art. No. 127976 CAN-2018C/S

CANopen Slave Module of 8-channel Thermocouple Input
Include CAN-2018C module and a CN-1824 daughter board