

CAN-2084C Quick Start

Packing List

CAN-2084C



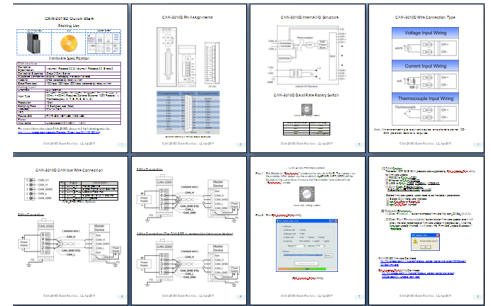
CD



Screw Driver



Quick Start



Hardware Specification

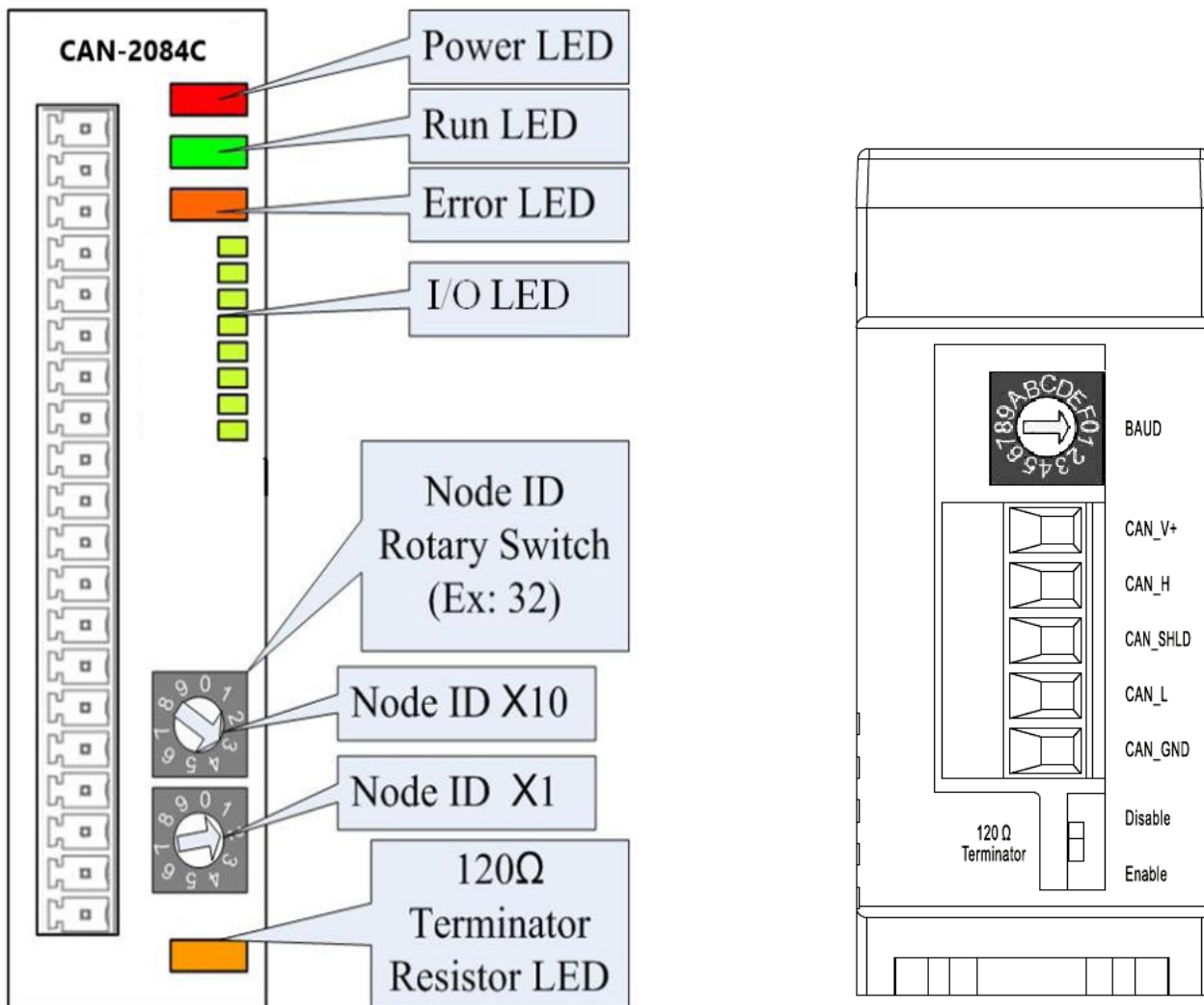
CAN Interface	
CANopen Specification	CiA DS-301
No. of PDOs	10 Rx, 10 Tx(Support dynamic PDO)
PDO Mode	Event triggered, Remotely requested, Cyclic and acyclic SYNC
Node ID	0~99 selected by rotary switch
Baud Rate (bps)	10k, 20k, 50k, 125k, 250k, 500k, 800k and 1M
Error Control	Node Guarding protocol and Heartbeat Producer protocol
Terminator Resistor	Switch for 120Ω terminator resistor
Connector	5-pin screwed terminal block (CAN_GND, CAN_L, CAN_SHLD, CAN_H, CAN_V+)
Digital Input	
Channels	8 (Sink/Source)
On Voltage Level	Non-Isolated: +2 ~ +5 V _{DC} Isolated: +4.5~+30 V _{DC}
Off Voltage Level	Non-Isolated: < +0.8 V _{DC} Isolated: <+1 V _{DC}
Counter Frequency	250 kHz Max.
Max. Counts	32-bits(4,294,967,295)
Input Impedance	1.2 kΩ, 1W
LED	
Status LED	PWR LED, RUN LED, ERR LED

Terminal Resister LED	Terminal Resister Indicator
DI LED	8 LEDs as Digital Input LED Indicators
Power	
Input range	Unregulated +10 ~ +30 V _{DC} , 1.5 W

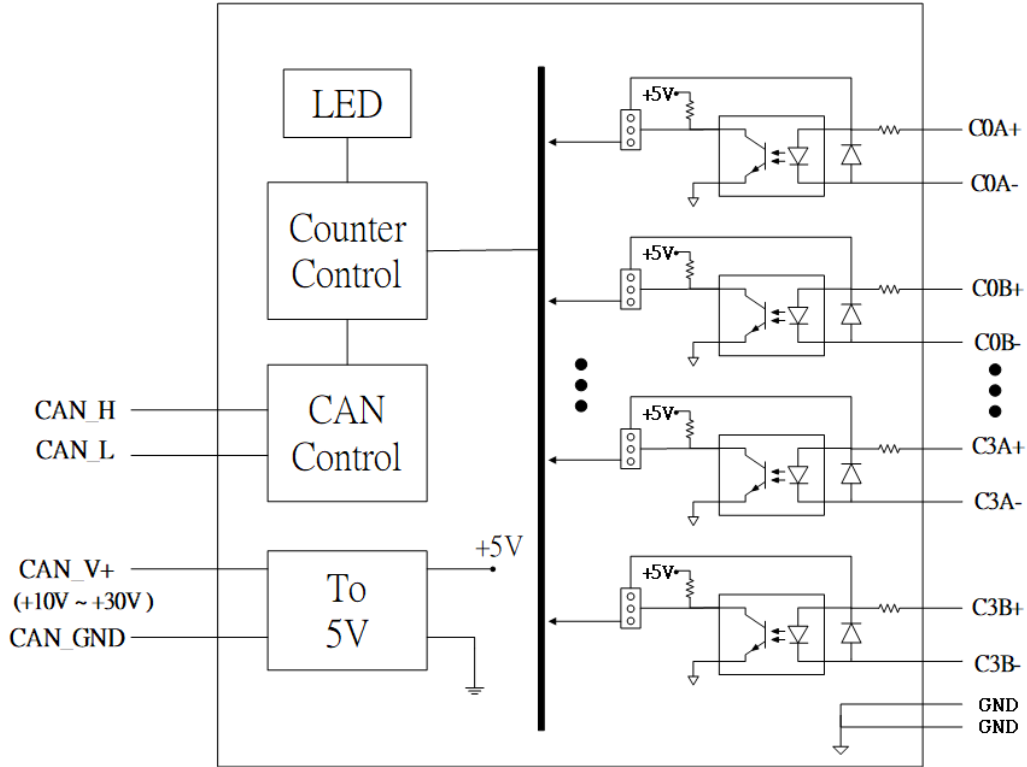
For more information about CAN-2084C, please visit the following website:

CAN-2084C

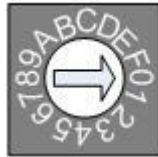
CAN-2084C Pin Assignments



CAN-2084C Internal I/O Structure



CAN-2084C Baud Rate Rotary Switch



Baud rate rotary switch

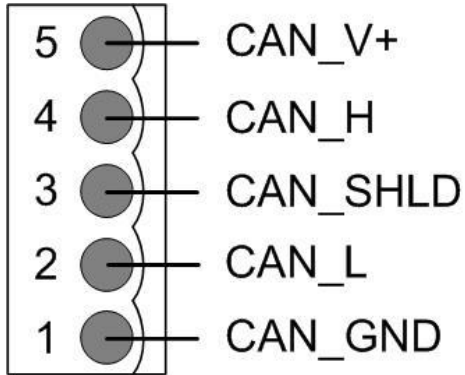
Rotary Switch Value	Baud rate (kbps)
0	10
1	20
2	50
3	125
4	250
5	500

6	800
7	1000

CAN-2084C Wiring Connection Type

Input Mode	Isolated	Non-isolated
Dir/Pulse		
Up/Down		
Up		
A/B Phase (Quadrant)		
Frequency		

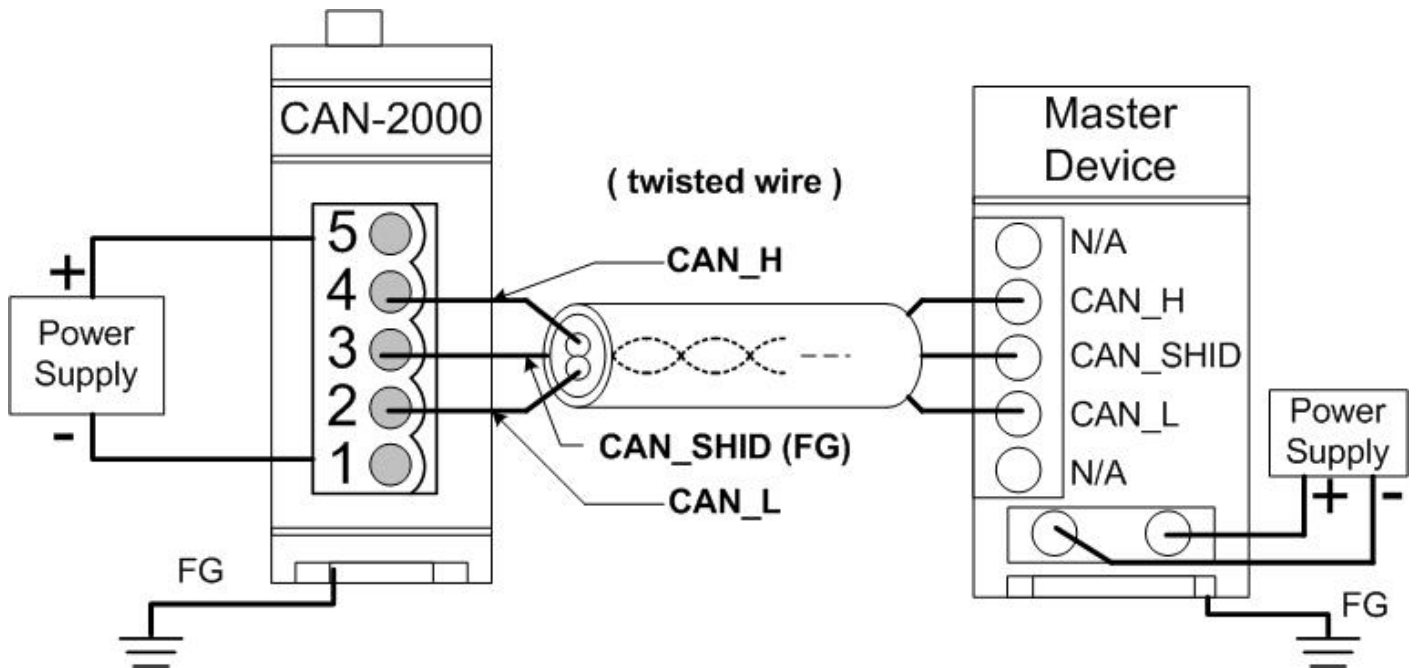
CAN-2084C CAN Bus Wire Connection



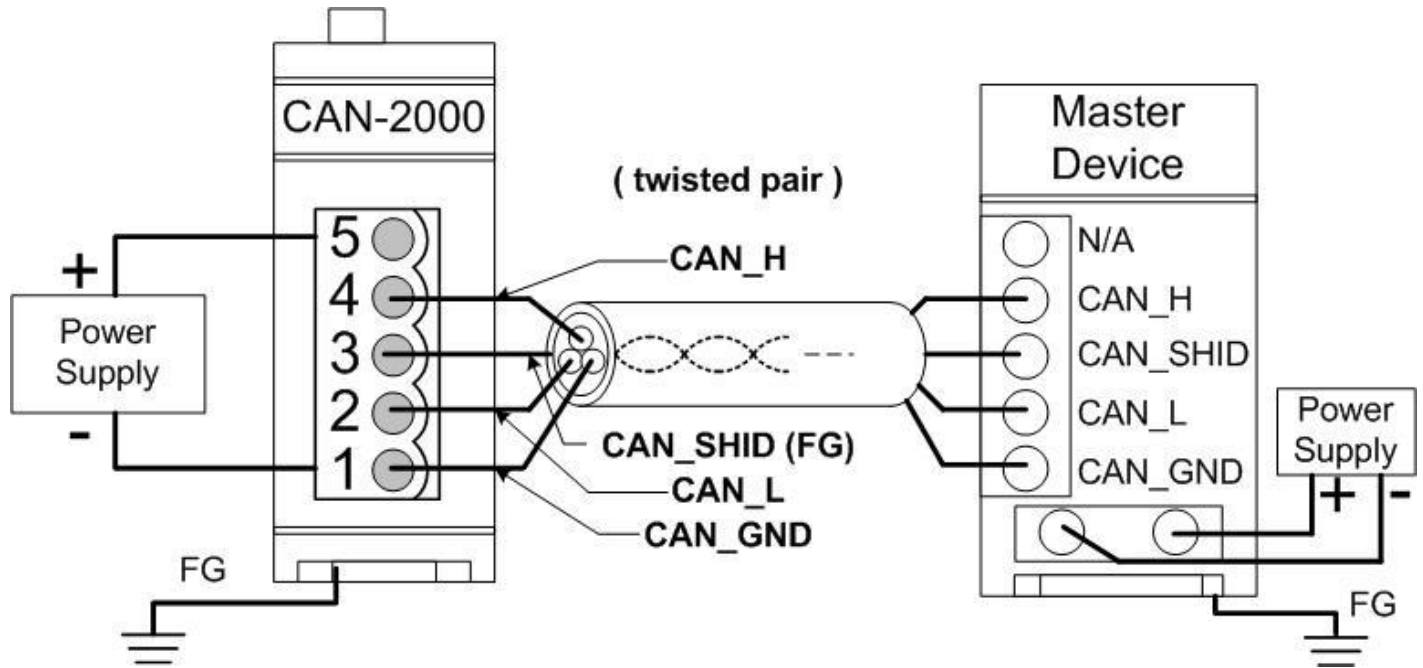
Pin	Signal	Description
5	CAN_V+	Power positive
4	CAN_H	Signal high of CAN Bus line
3	CAN_SHLD	Cable Shield (FG)
2	CAN_L	Signal low of CAN Bus line
1	CAN_GND	CAN ground

* CAN_SHID (FG) is Optional.

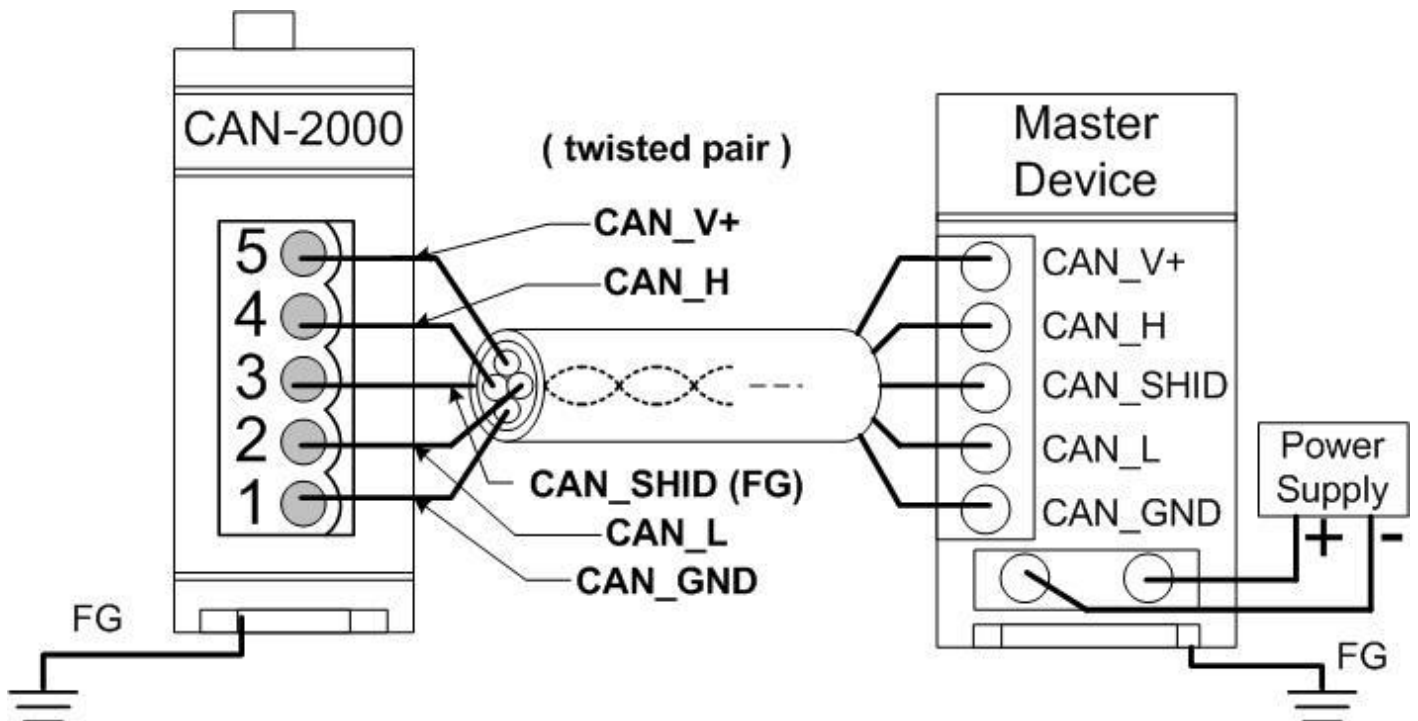
2-Wire Connection



3-Wire Connection

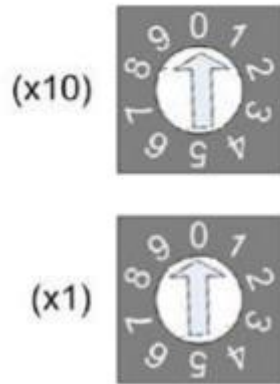


4-Wire Connection (The CAN-2000 is powered by the master device)



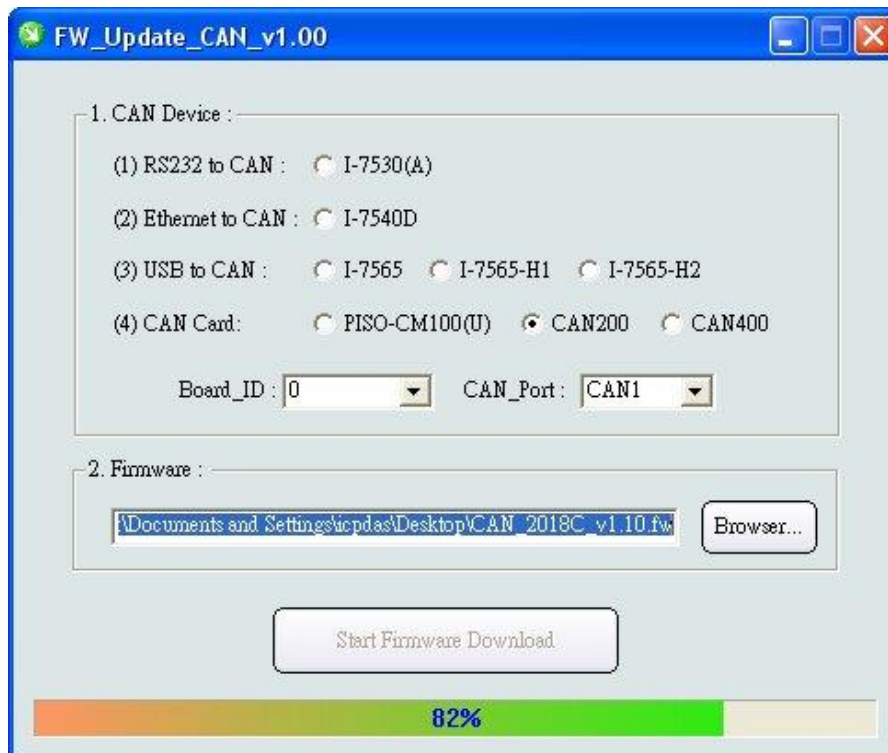
CAN-2084C Firmware Update

Step 1 – Set Module to “Bootloader” mode (set Node ID to 00). Then power on the module.



Node ID Rotary Switch

Step 2 – Run FW_Update_CAN Utility



[1] CAN Device :

The below ICP DAS CAN products are supported by FW_Update_CAN utility for firmware update.

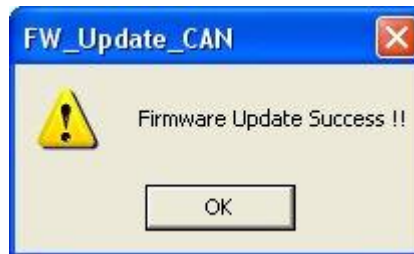
- (1) RS232 to CAN : I-7530
- (2) Ethernet to CAN : I-7540D
- (3) USB to CAN : I-7565, I-7565-H1, I-7565-H2
- (4) CAN Card : PISO-CM100(U),
PISO-/PCM-/PEX-CAN200 / CAN400

Before firmware update, users need to set the below parameters.

- (1) Select CAN hardware interface
- (2) set Dev_Port or Board_ID
- (3) set CAN_Port” number

[2] Download Firmware :

- (1) Click “**Browser...**” button to choose firmware file, can_2084C_vX.X.fw.
- (2) Click “**Start Firmware Update**” button to start firmware update and it will show the total percentage of firmware update in progress bar. After the firmware update finished, it will show the “Firmware Update Success !!” message.



CAN-2084C firmware Download:

ftp://ftp.icpdas.com/pub/cd/fieldbus_cd/canopen/slave/can-2000c/can-2084c/

FW_Update_CAN Utility Download:

ftp://ftp.icpdas.com/pub/cd/fieldbus_cd/canopen/slave/can-2000c/tools/