CAN-2024D Quick Start

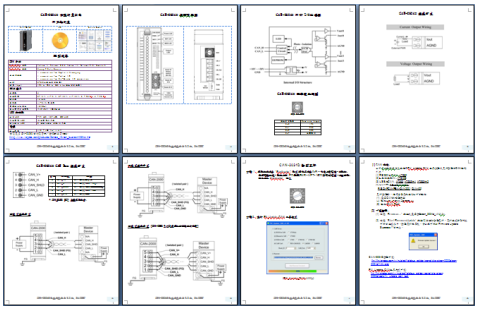
Packing List

CAN-2024D

CD

Screw Driver

Quick Start

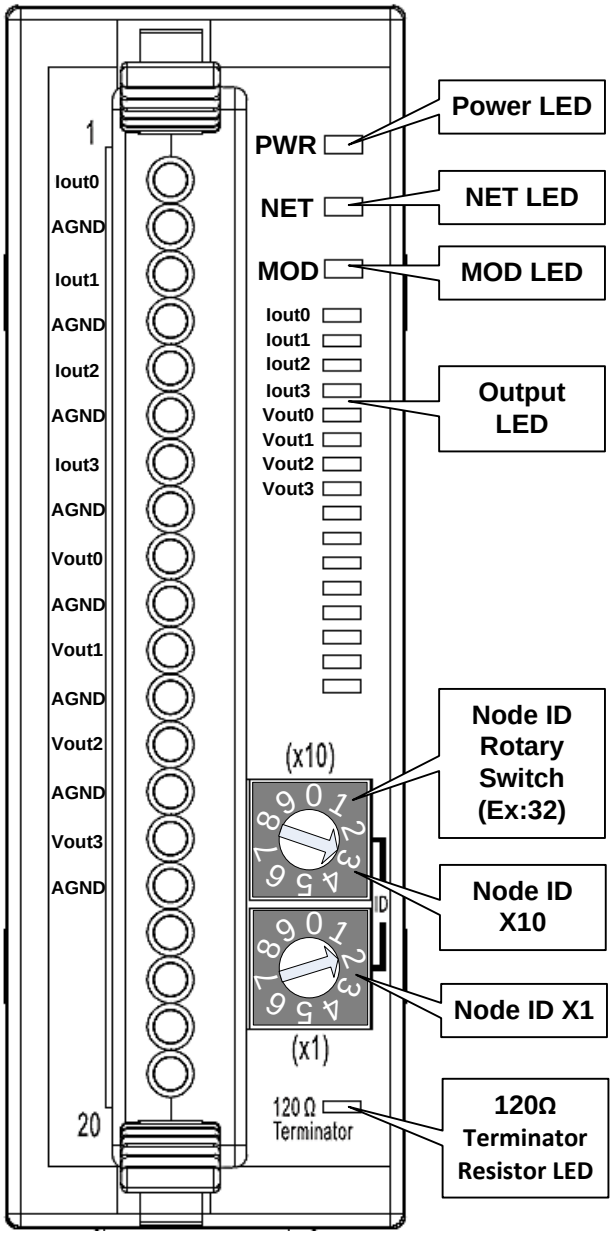


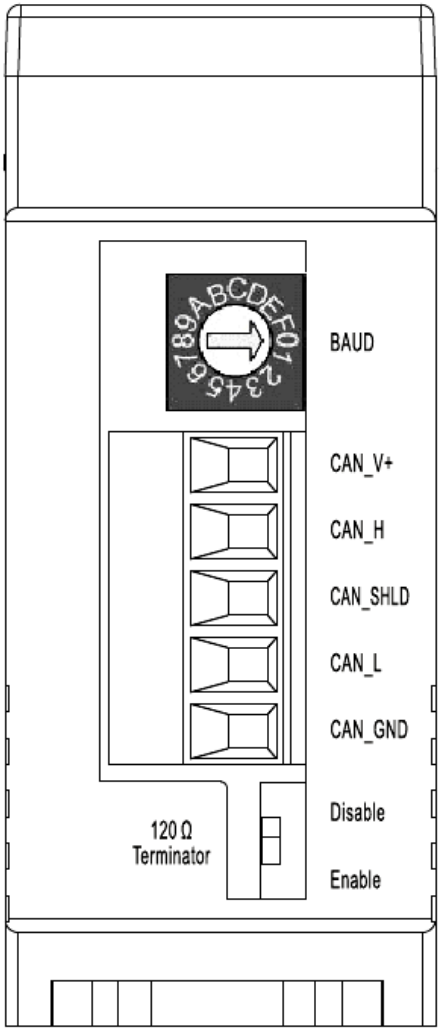
Hardware Specification

CAN Interface	
DeviceNet Specification	Volume I, Release 2.0 & Volume II, Release 2.0, Errata 5
DeviceNet Subscribe	Group 2 Only Server
Supported Connection	1 connection for Explicit Messaging 1 connection for Polled I/O 1 connection for Bit-Strobe I/O connection
Node ID	0~63 selected by rotary switch
Baud Rate (bps)	125 k, 250 k, 500 k, selected by rotary switch
Analog Output	
Channels	4
Output Type	0~ 5 V, +/- 5 V, 0~ 10 V, +/- 10 V, 0 ~ 20 mA, 4 ~ 20 mA
Resolution	14-bit
Accuracy	+/-0.1% FSR for voltage output; +/- 0.2 % of FSR for current output
Voltage Output Capability	10V@5mA
Max. Current Load Resistance	External +24V:1050 Ohms
LED	
Status LED	PWR LED, NET LED, MOD LED
Terminal Resister LED	Terminal Resister Indicator
AO LED	8 LEDs as analog output Indicators
Power	
Input range	Unregulated +10 ~ +30 $V_{DC,}$ 1.5 W

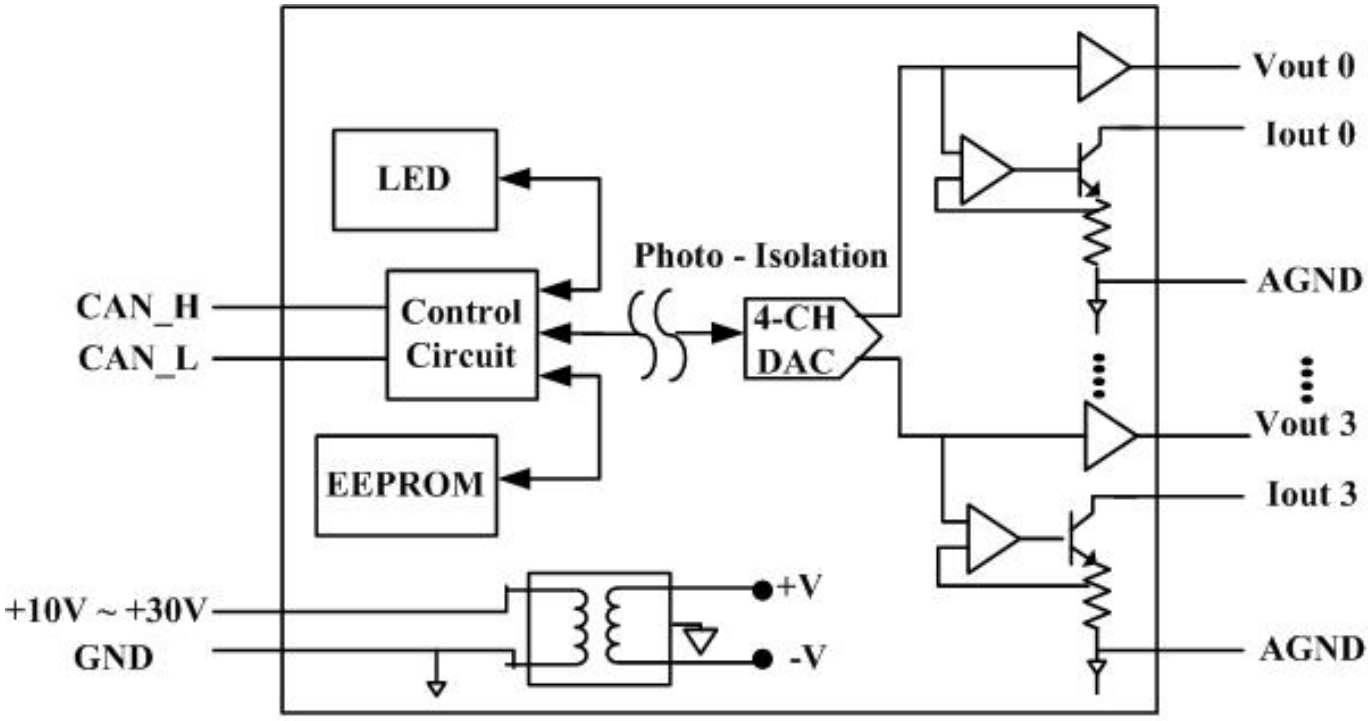
For more information about CAN-2024D, please visit the following website:
CAN-2024D

CAN-2024D Pin Assignments





CAN-2024D Internal I/O Structure



Internal I/O Structure

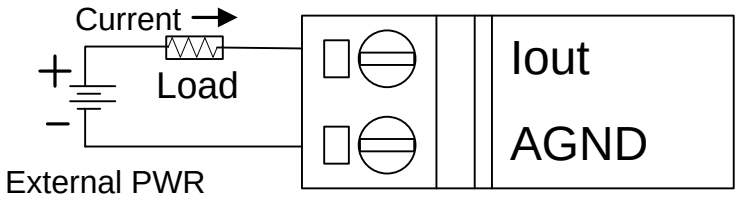
CAN-2024D Baud Rate Rotary Switch

Baud rate rotary switch

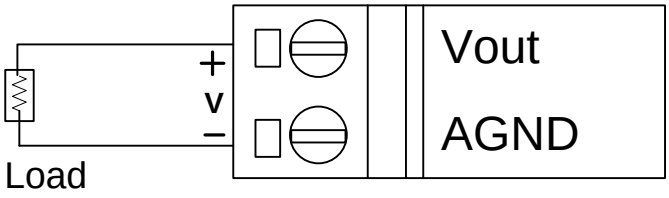
Rotary Switch Value	Baud rate (kbps)
0x0	125
0x1	250
0x2	500
0xF	Firmware update

CAN-2024D Wiring Connection Type

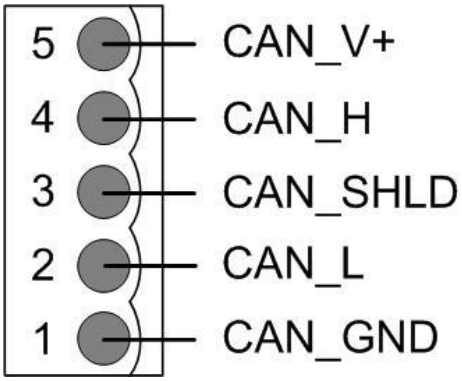
Current Output Wiring



Voltage Output Wiring



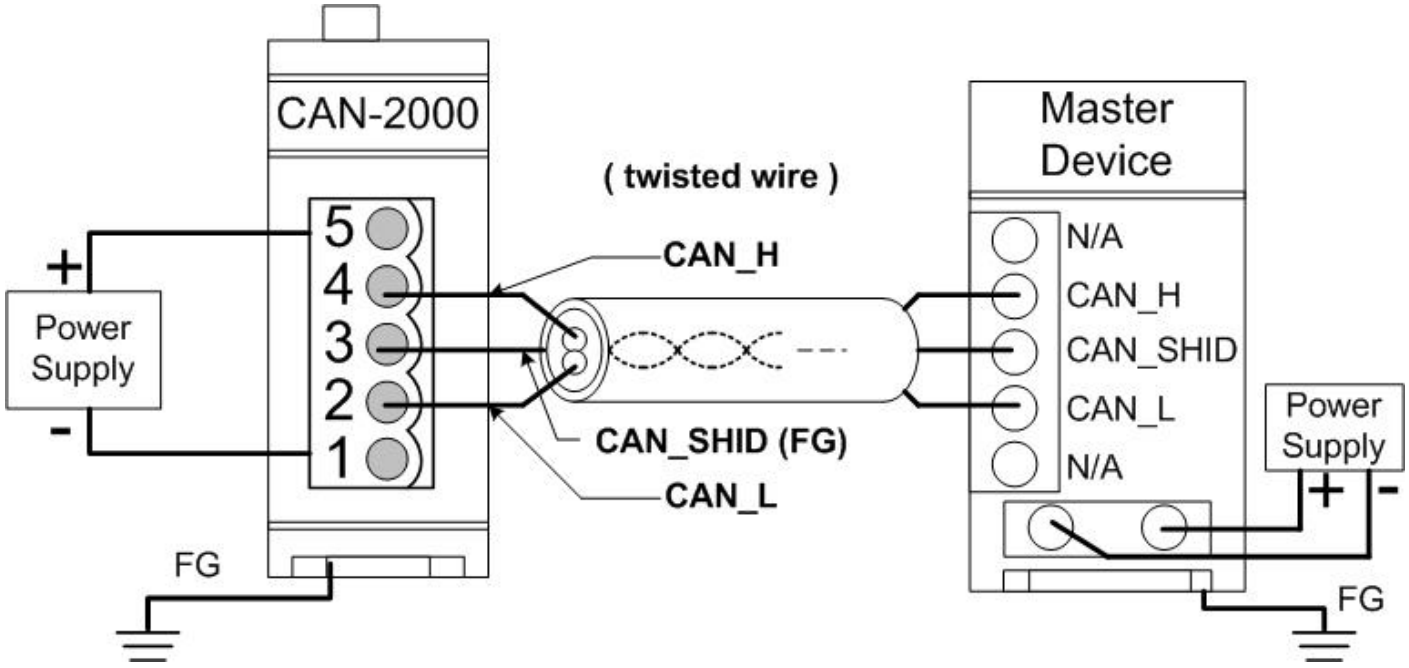
CAN-2024D CAN Bus Wire Connection



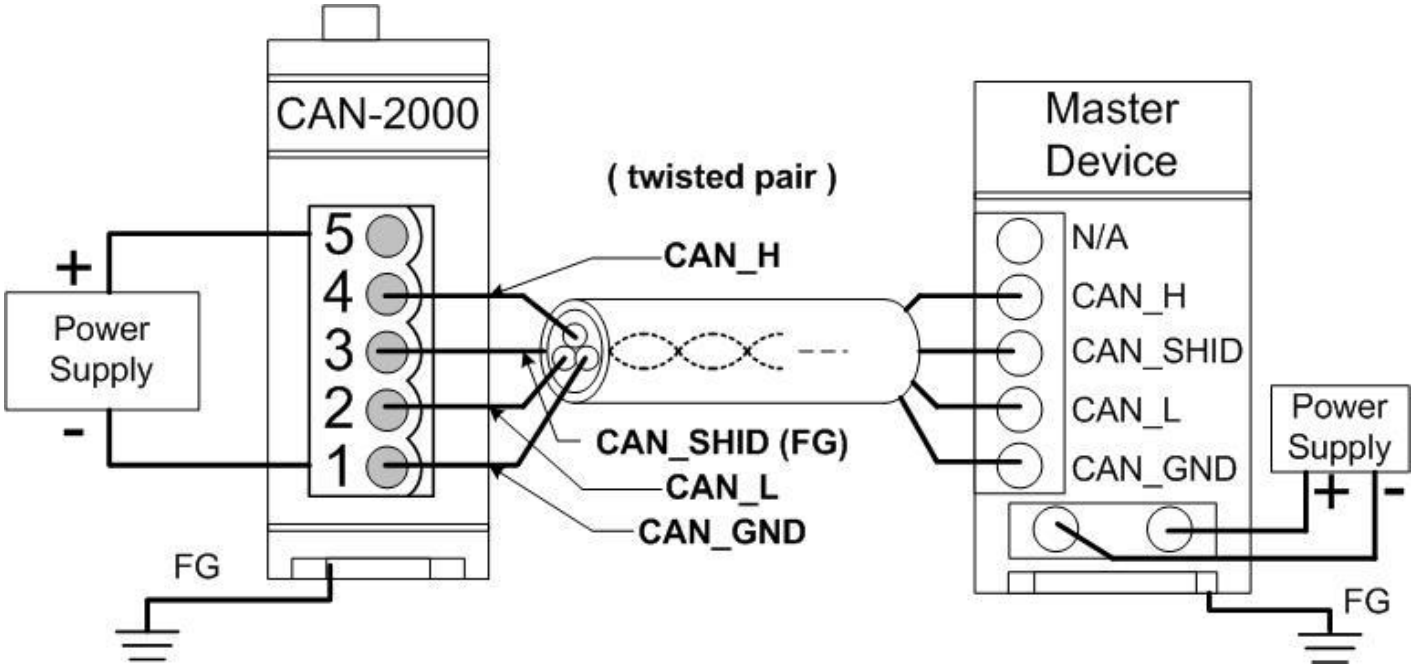
Pin	Signal	Description
5	CAN_V+	Power positive
4	CAN_H	Signal high of CAN Bus line
3	CAN_SHLD	Cable Shield ***(FG)***
2	CAN_L	Signal low of CAN Bus line
1	CAN_GND	CAN ground

*** CAN_SHID (FG) is Optional.**

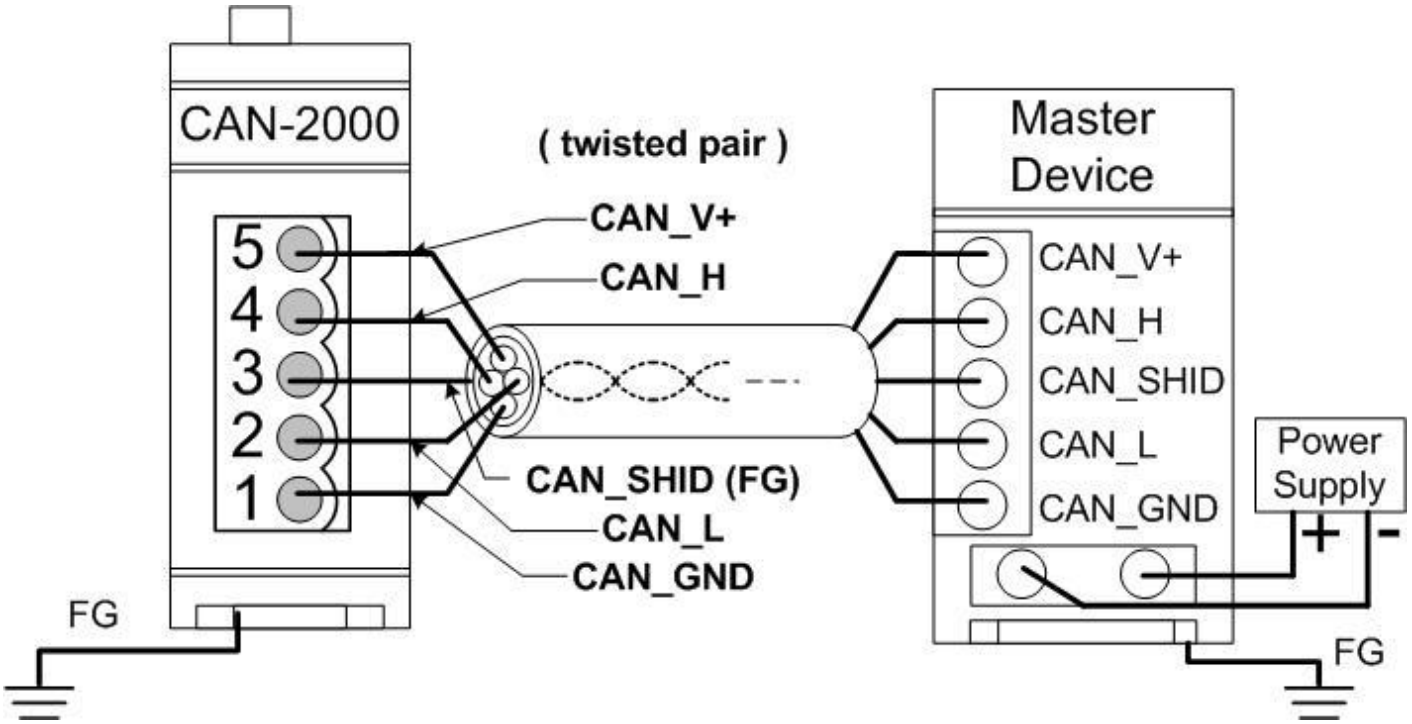
2-Wire Connection



3-Wire Connection

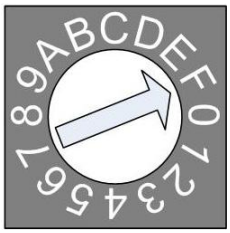


4-Wire Connection (The CAN-2000 is powered by the master device)



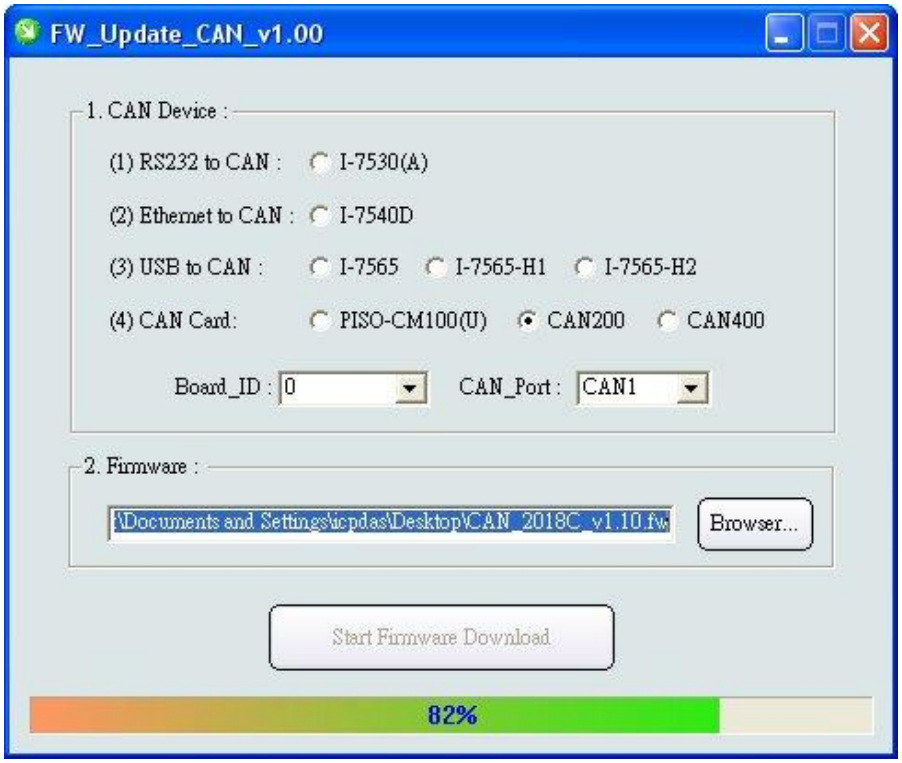
CAN-2024D Firmware Update

Step 1 – Set Module to "Bootloader" mode (set baud rate to 0xF). Then power on the module. After power on, the module's led(PWR, NET, MOD) will be flashed at the same time. It means that the module have entered into "Bootloader" mode.



Baud Rate Rotary Switch

Step 2 – Run FW_Update_CAN Utility



(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_2024d_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-2024D firmware Download:
ftp://ftp.icpdas.com.tw/pub/cd/fieldbus_cd/devicenet/slave/can-2000d/can-2024d/firmware/

FW_Update_CAN Utility Download:
ftp://ftp.icpdas.com.tw/pub/cd/fieldbus_cd/devicenet/slave/can-2000d/tools/fw_update_can_tool/