Packing List

In addition to this guide, the package includes the following items:

CAN-2053D * 1

Screw Driver * 1

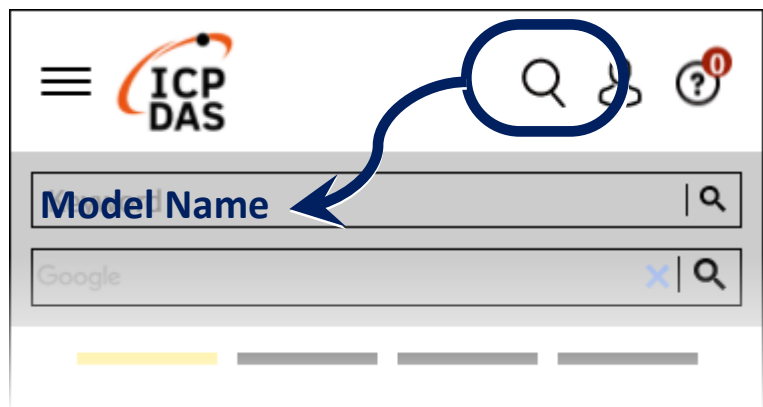## Technical Support

service@icpdas.com

www.icpdas.com

Resources

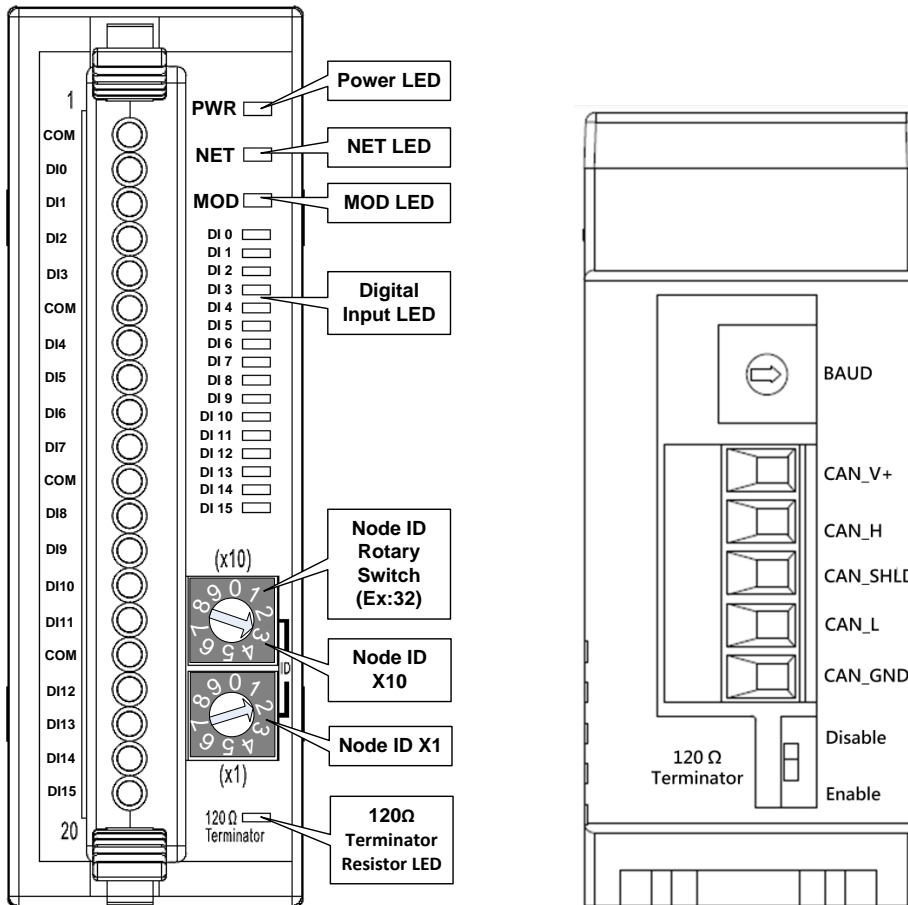How to search for drivers, manuals and spec information on ICP DAS website.
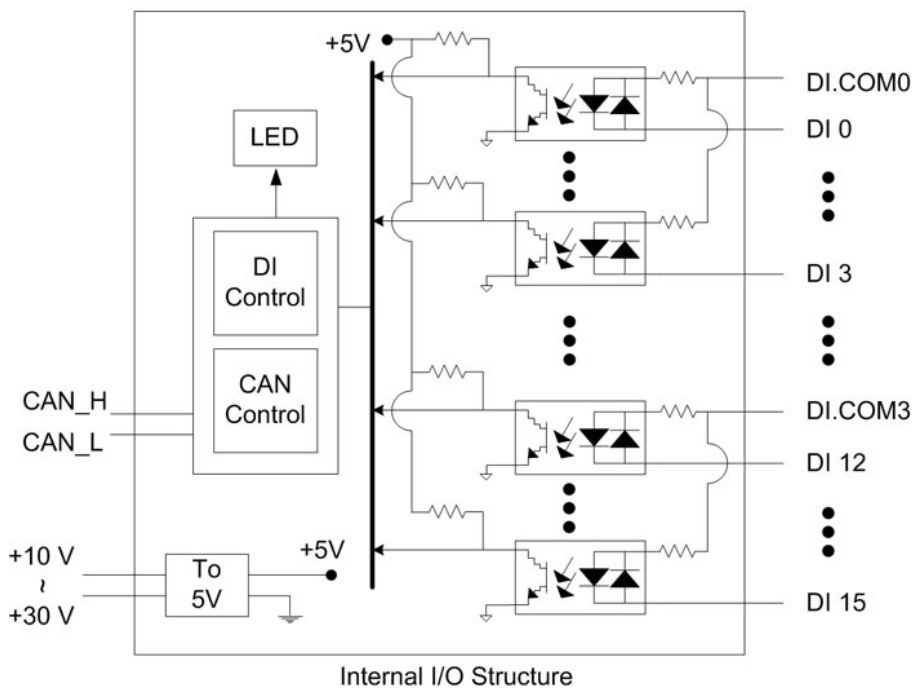
• For Mobile Web

• For Desktop Web

1

Pin Assignments

PWR	Power LED
NET	NET LED
MOD	MOD LED

Digital Input LED

Node ID Rotary Switch (Ex:32)

Node ID X10

Node ID X1

120Ω Terminator Resistor LED

BAUD

CAN_V+
CAN_H
CAN_SHLD
CAN_L
CAN_GND

120 Ω Terminator

Disable

Enable

2

Internal I/O Structure

Internal I/O Structure

3 --
Baud Rate Rotary Switch
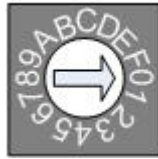
Rotary switch

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

4 --
I/O Wiring Connection Type

| Input Type	ON State LED ON Readback as 1	OFF State LED OFF Readback as 0
Relay Contact	Relay On	Relay Off
TTL/CMOS Logic	Voltage > 10 V	Voltage < 4 V
NPN Output	Open Collector On	Open Collector Off
PNP Output	Open Collector On	Open Collector Off

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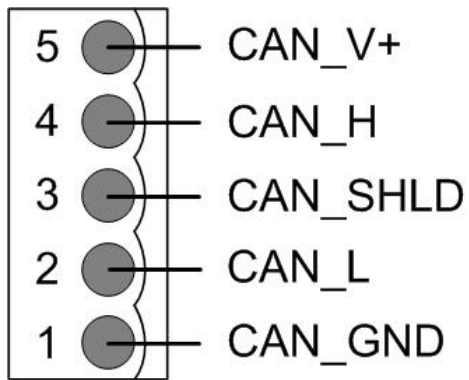
Pin	Signal	Description
5	CAN_V+	Power positive
4	CAN_H	Signal high of CAN Bus line
3	CAN_SHLD	Cable Shield *(FG)*
2	CAN_L	Signal low of CAN Bus line
1	CAN_GND	CAN ground

* CAN_SHID (FG) is Optional.
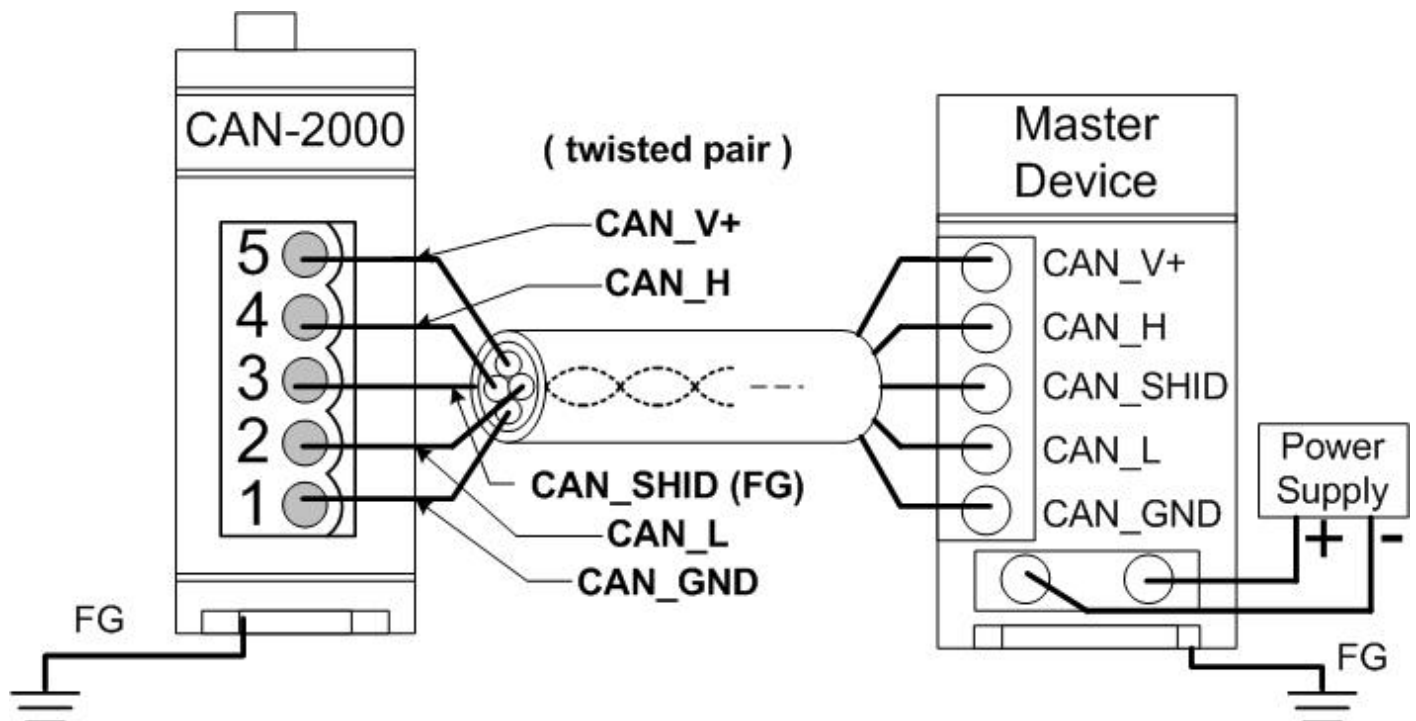
2-Wire Connection
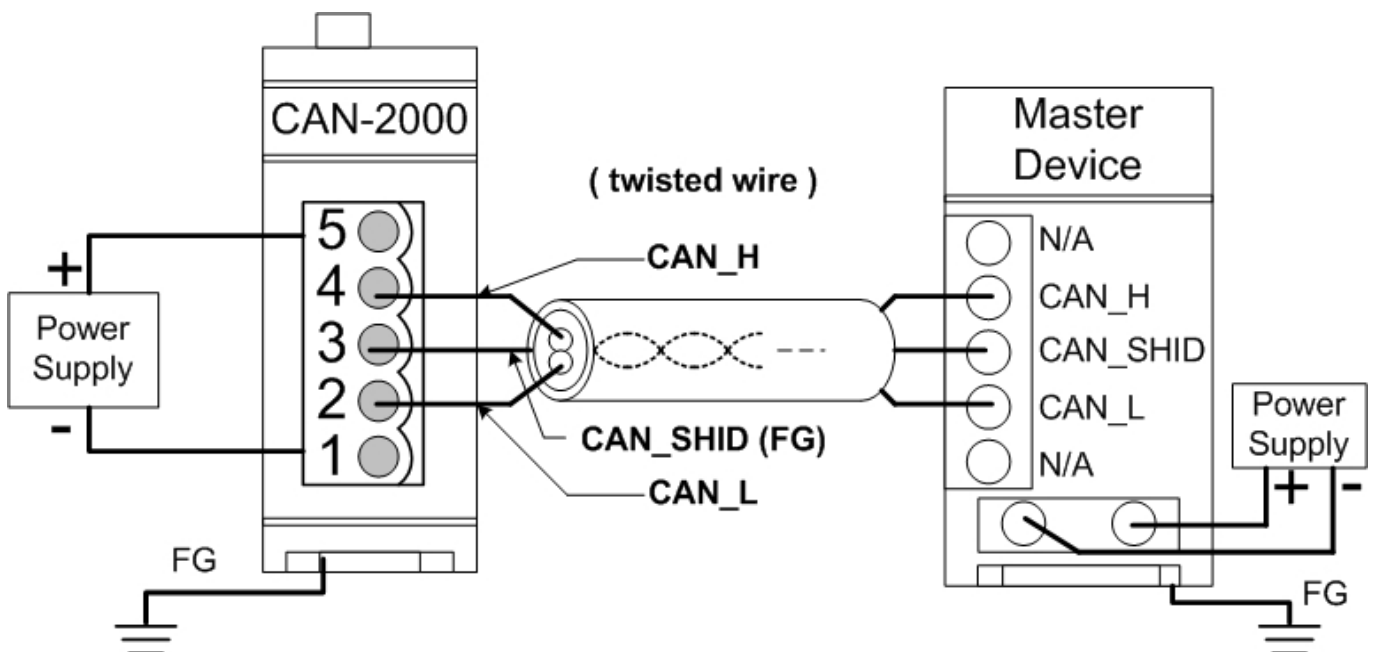
3-Wire Connection
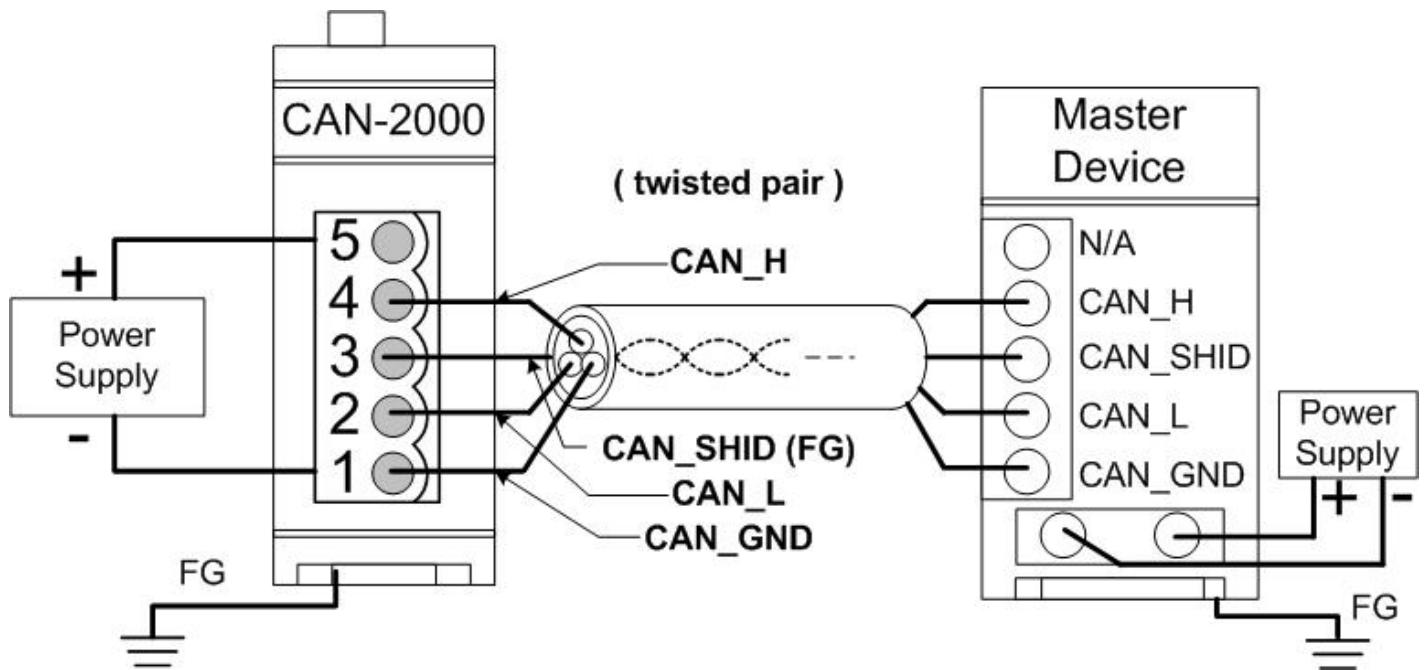
4-Wire Connection
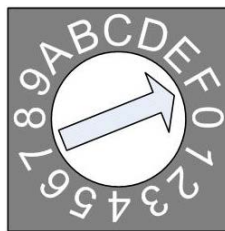## (The CAN-2000 is powered by the master device)

6   Firmware Update

Step 1: Set Module to "Bootloader" mode

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: Get Module firmware

Module firmware can be downloaded from following link:
https://www.icpdas.com/en/download/show.php?num=1930&model=CAN-2053D

Step 3: Run FW_Update_CAN Utility

FW_Update_CAN Utility can be downloaded from following link:
https://www.icpdas.com/en/download/show.php?num=1914&model=CAN-2053D

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_2053d_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.