I-2533 Quick Start

v2.0, November 2021

Packing List

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

I-2533

RS-232 Cable (CA-0910)

Technical Support

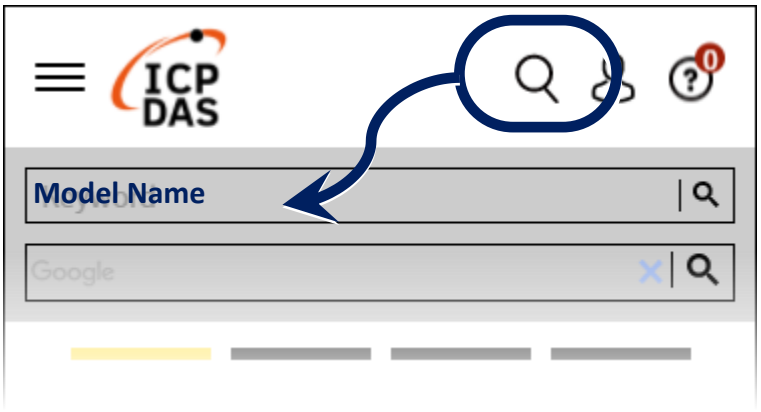
service@icpdas.com

www.icpdas.com

Resources

How to search for drivers, manuals and spec information on ICP DAS website.

- For Mobile Web



- For Desktop Web

1. Introduction

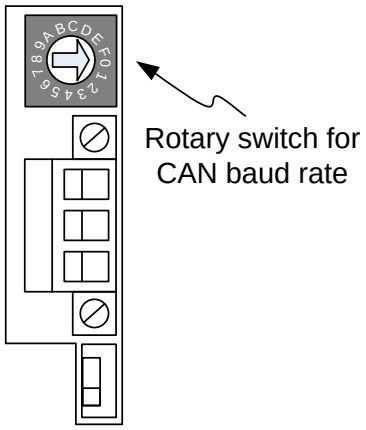
This quick start helps users to apply the I-2533 in users' applications quickly. If users need the details of I-2533 or the difference about the meaning of the [V2] mark, please refer to the I-2533 user manual. Users can free download it from the website below.

https://www.icpdas.com/en/download/index.php?model=I-2533

2. Hardware Installation

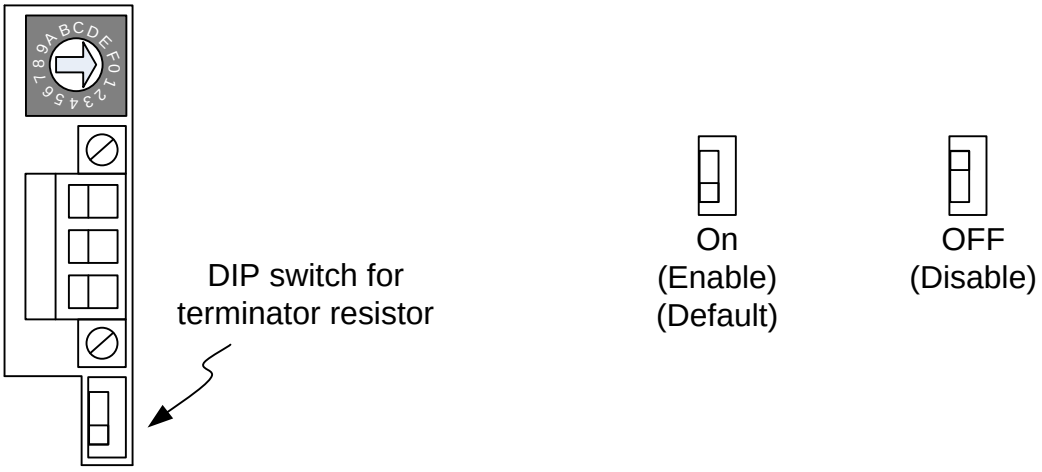
Before using I-2533, some things must be done.

1. Prepare one pair of I-2533.
2. Set the CAN baud rate of each I-2533 by using rotary switch. You can refer to the following table for details. (If you set the rotary switch to "A", please use utility tool to do the configuration before.)

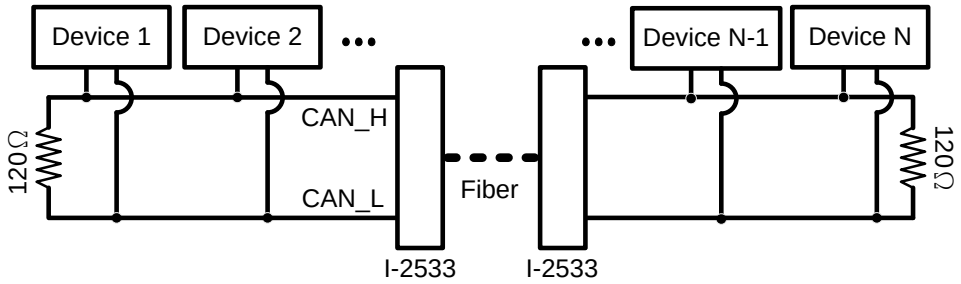


Switch Value	Description
0	Set baud rate to 10 kbps
1	Set baud rate to 20 kbps
2	Set baud rate to 50 kbps
3	Set baud rate to 80 kbps
4	Set baud rate to 100 kbps
5	Set baud rate to 125 kbps
6	Set baud rate to 250 kbps
7	Set baud rate to 500 kbps
8	Set baud rate to 800 kbps
9	Set baud rate to 1 Mbps
A	Set baud rate to user-defined baud rate which is configured by I-2533 utility.
B~D	Not-available
E	Update firmware
F	Set I-2533 into configuration mode.

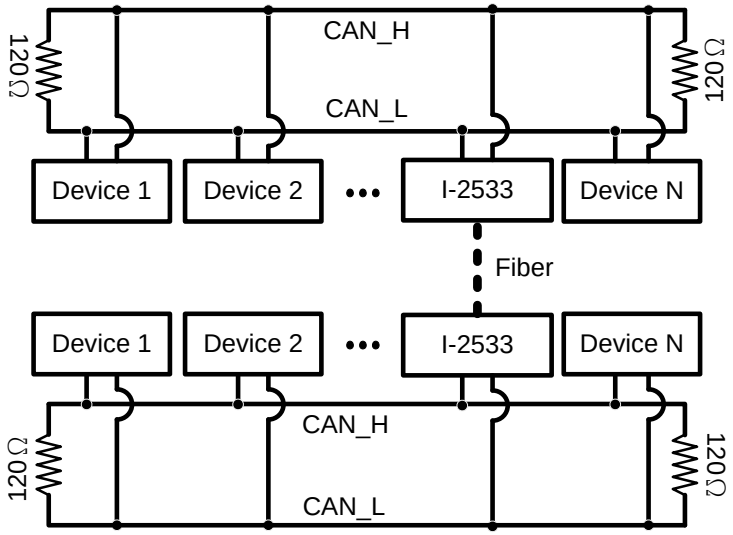
3. Check the application structure, and determine if the terminator resistor is needed or not. You can find it at the position as follows.



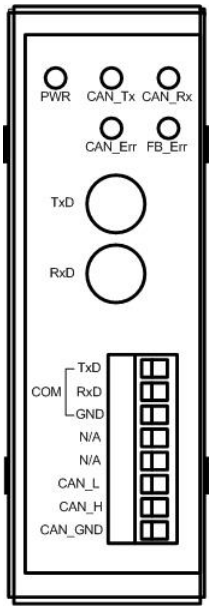
Generally, if your application is as follows, we recommend you to enable the terminator resistor.



If your application is like the structure as follows, the terminator resistor is not needed.



4. Connect the fiber port of these I-2533, CAN port, power line and frame ground. The pin assignment and wire connection are as follows. When finished, run your application with these I-2533 modules.



Pin No.	Description
TxD	Fiber TxD port
RxD	Fiber RxD port
1	TxD pin of the RS-232 port for configuration
2	RxD pin of the RS-232 port for configuration
3	GND pin of the RS-232 port for configuration
4	Non-available
5	Non-available
6	CAN_L pin of CAN bus
7	CAN_H pin of CAN bus
8	CAN_GND pin of CAN bus