



# ICP DAS I-7531-FD Two-Channel Isolated CAN-CAN FD Signal Repeater User Guide

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**ICP DAS I-7531-FD Two-Channel Isolated CAN-CAN FD Signal Repeater**



## Packing List

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

- I-7531-FD



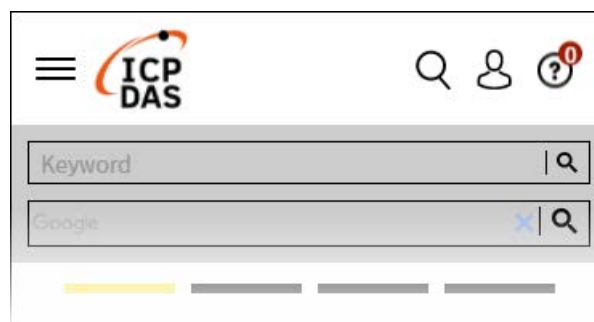
- Plastic rail



## Resources

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

- For Mobile Web

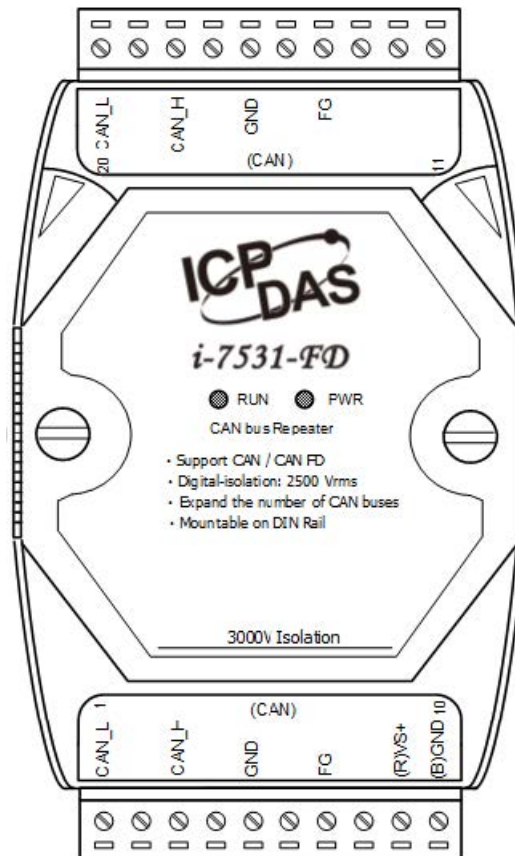


- For Desktop Web

## Technical Support

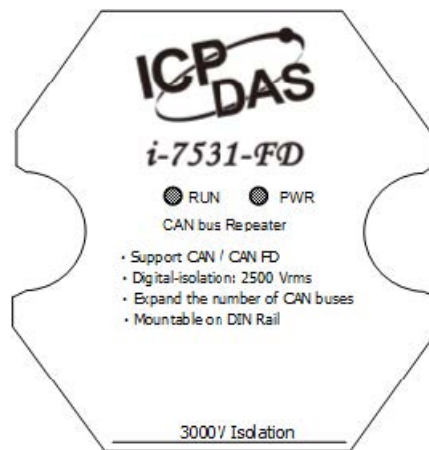
[service@icpdas.com](mailto:service@icpdas.com) [www.icpdas.com](http://www.icpdas.com)

## Appearance



Number	Description
1	CAN port 1
2	CAN port 2
3	LED indicators

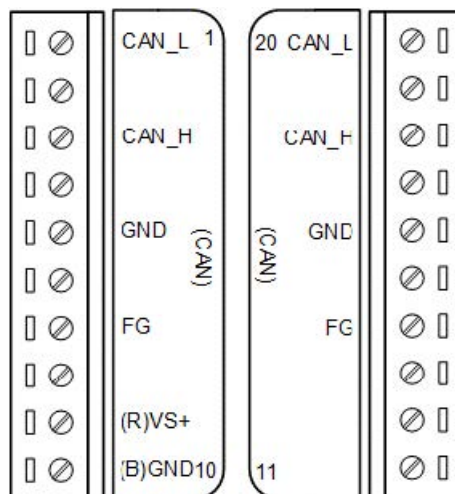
## LED indicators



LED	Color	Status	Description
1 (PWR)	Red	ON	Power on
		OFF	Power off
2 (RUN)	Green	Blink	In communication
		OFF	No data in communication

**Note 1:** Twinkling rate correlates of RUN LED with baud rate of CAN bus. Users may see no twinkling when the twinkling period is too short because of the higher baud rate of CAN bus. Besides, the LED could look like always on when bus loading is heavy.

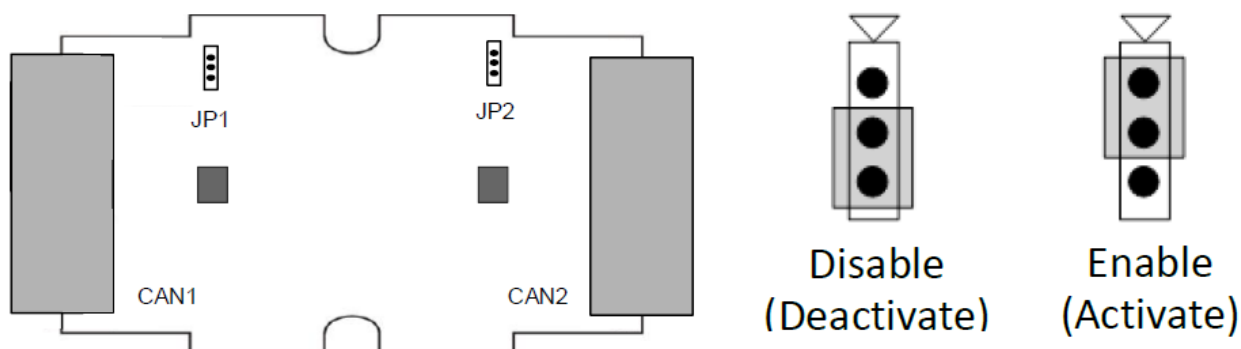
## Pin assignments



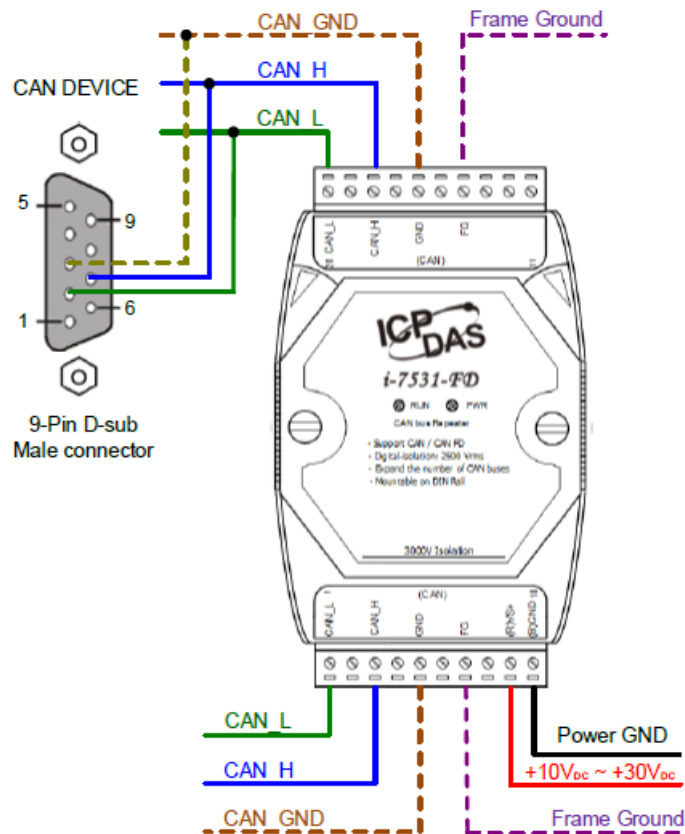
Pin	Name	Description
1	CAN_L	CAN_ Low. Signal Line of CAN port 1.
3	CAN_H	CAN_ High. Signal Line of CAN port 1.
5	GND	CAN_ Ground (or CAN_GND), voltage level of ground of CAN_L and CAN_H in C AN port 1.
7	FG	Frame Groud.
9	(R)VS+	Power input +10VDC ~ +30VDC.
10	(B)GND	
14	FG	Frame Groud.
16	GND	CAN_ Ground (or CAN_GND), Voltage level of ground of CAN_L and CAN_H in C AN port 2.
18	CAN_H	CAN_ High. Signal Line of CAN port 2.
20	CAN_L	CAN_ Low. Signal Line of CAN port 2.

## Terminator Resistor Setting

The JP1 of I-7531-FD is used for adjusting terminal resistor (120Ω) on CAN Port 1, and the JP2 for CAN Port 2. If the user want to adjust the terminal resistor that need to open the cover of I-7531-FD, and will see the locations of JP1 and JP2 are shown as following figure:



## Wire Connections



## Documents / Resources

	<p><a href="#">ICP DAS I-7531-FD Two-Channel Isolated CAN-CAN FD Signal Repeater</a> [pdf] User Guide I-7531-FD, Two-Channel Isolated CAN-CAN FD Signal Repeater, Isolated CAN-CAN FD Signal Repeater, CAN-CAN FD Signal Repeater, I-7531-FD, Signal Repeater</p>
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## References

- [ICP DAS](#)
- [ICP DAS](#)