tM-7530 Quick Start

v1.1, October 2024

Packing List

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



tM-7530

Technical Support

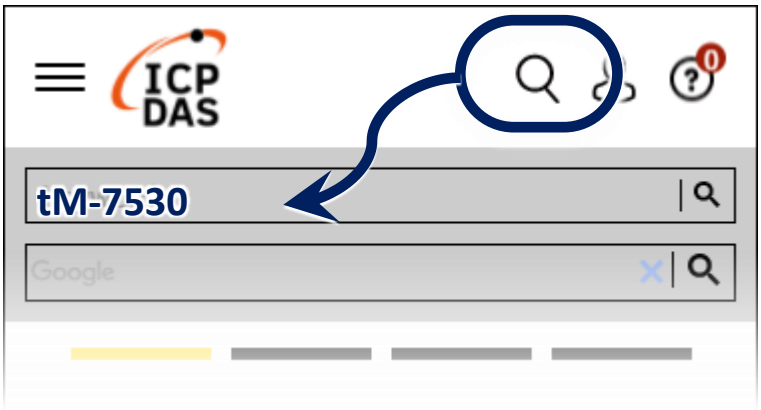
service@icpdas.com

www.icpdas.com

Resources

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

- For Mobile Web



- For Desktop Web

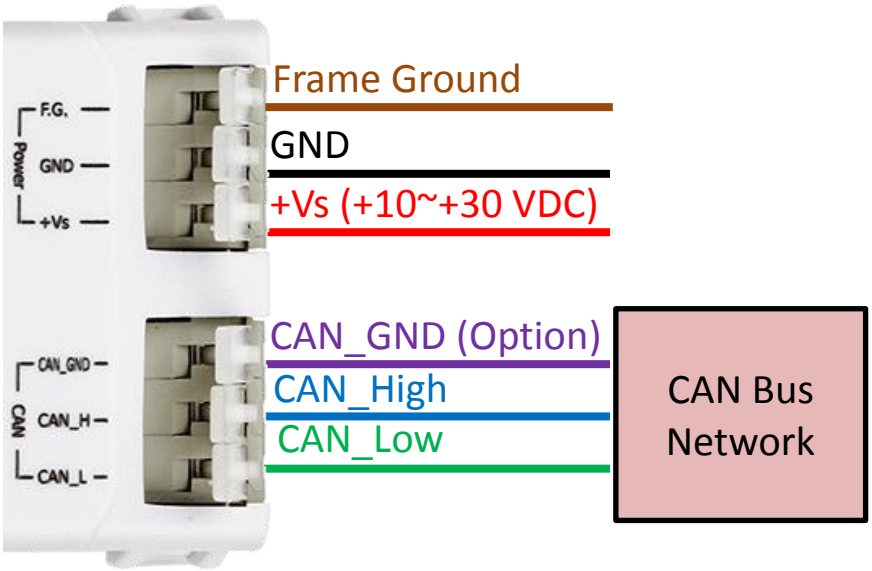


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1. LED Indicators

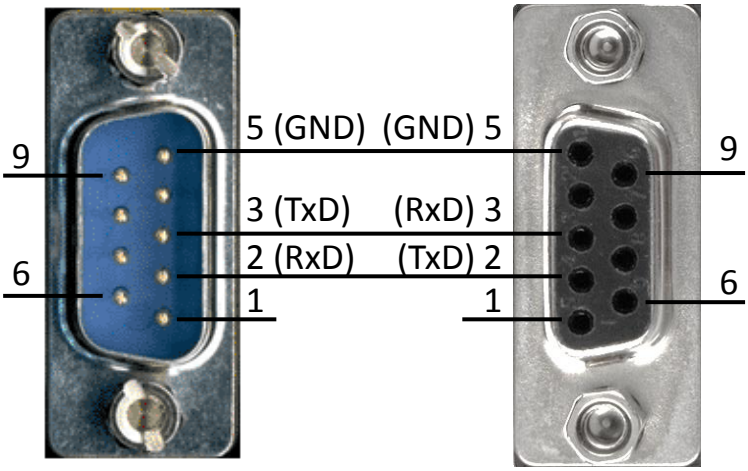
LED Indicator	Condition	Status
Run	Configuration Mode	Flash Once Per Second
	Run Mode	Turn on when no data needs to be sent
		Flash once when sending a CAN message
Err	FIFO overflow CAN Bus Off CAN Error Passive	Always turned on
	Some errors occurred	Flash

2. Wiring Connection



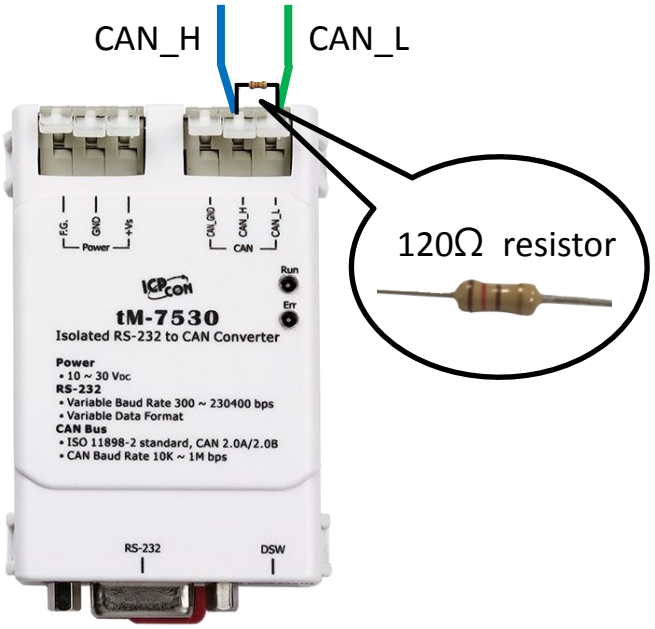
PC's DB9 RS-232 (Male)

tM-7530's DB9 RS-232 (Female)



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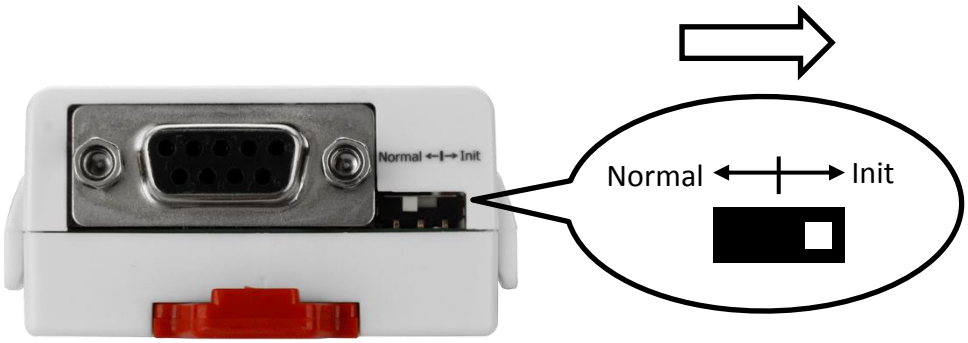
3. Terminal Resistor



There is no terminator resistor in the tM-7530. Therefore, if users would like to use terminator resistor, it is necessary to wire a 120Ω resistor on the CAN bus, as the figure.

4. Configure tM-7530 via VxCAN Utility

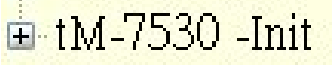
Step1: Switch the Normal/Init DIP-Switch to Init position of tM-7530 and power on.



Step2: Connect the available COM port of the PC to the tM-7530's RS-232, and execute the VxCAN Utility. The download link of VxCAN Utility as below.
http://www.icpdas.com/en/download/index.php?nation=US&kind1=&model=&kw=VxCAN

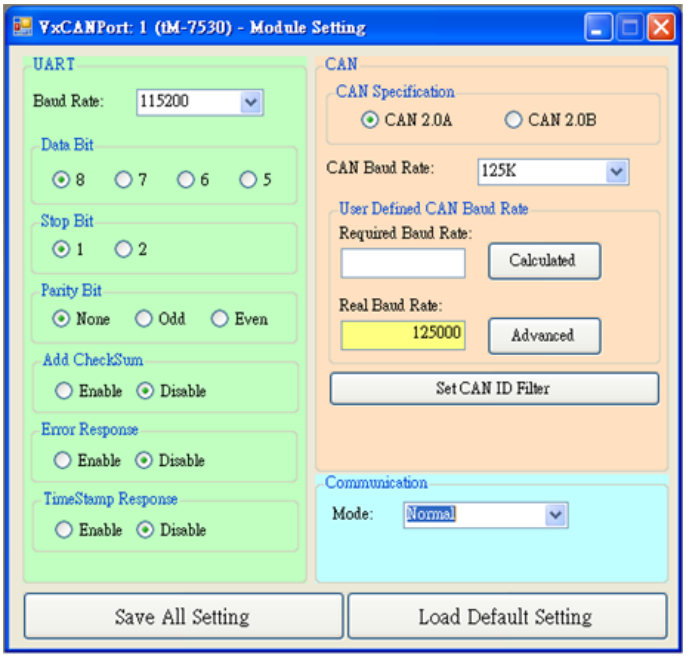
Step3: Click the button  to search tM-7530 connected to the PC.

Step4: If searching done and found the tM-7530, the tM-7530 will be list in the left window of VxCAN Utility.



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Step5: Click the tM-7530-Init in the list and show the module configuration dialog. After configuration, the user can click the button “Save All Setting” to save the configuration into the tM-7530.



The default values in parameters of the tM-7530 are shown as below.

RS-232	
Baud rate	115200
Data Bit	8
Stop Bit	1
Parity	None
Add Checksum	No
Error Response	No
Timestamp Response	No
CAN	
Specification	2.0A
Baud rate	125k
Acceptance Code	000
Acceptance Mask	000
Communication	
Mode	Normal

Step6: Switch the Normal/Init DIP-Switch to Normal position of tM-7530 and power on again will use the new configuration.

Step7: Refer to the UART command string in the user manual to transmit and receive CAN messages.

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