GW-7838-M Quick Start

v1.0, November 2020

What's in the box?

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



GW-7838-M



Plastic Rail



CA-0910



Screw Driver (1C016)

Technical Support

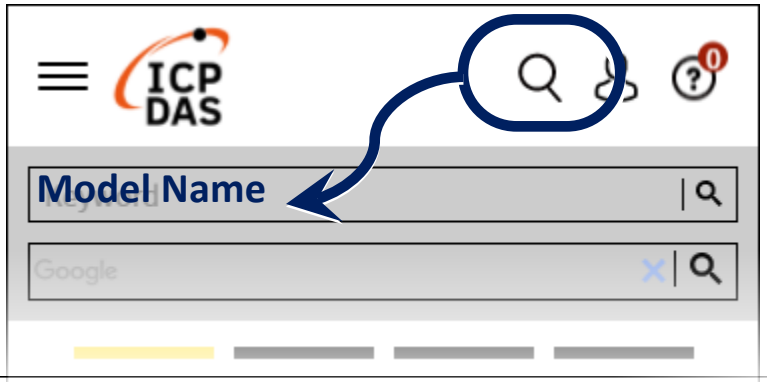
service@icpdas.com

www.icpdas.com

Resources

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

• For Mobile Web

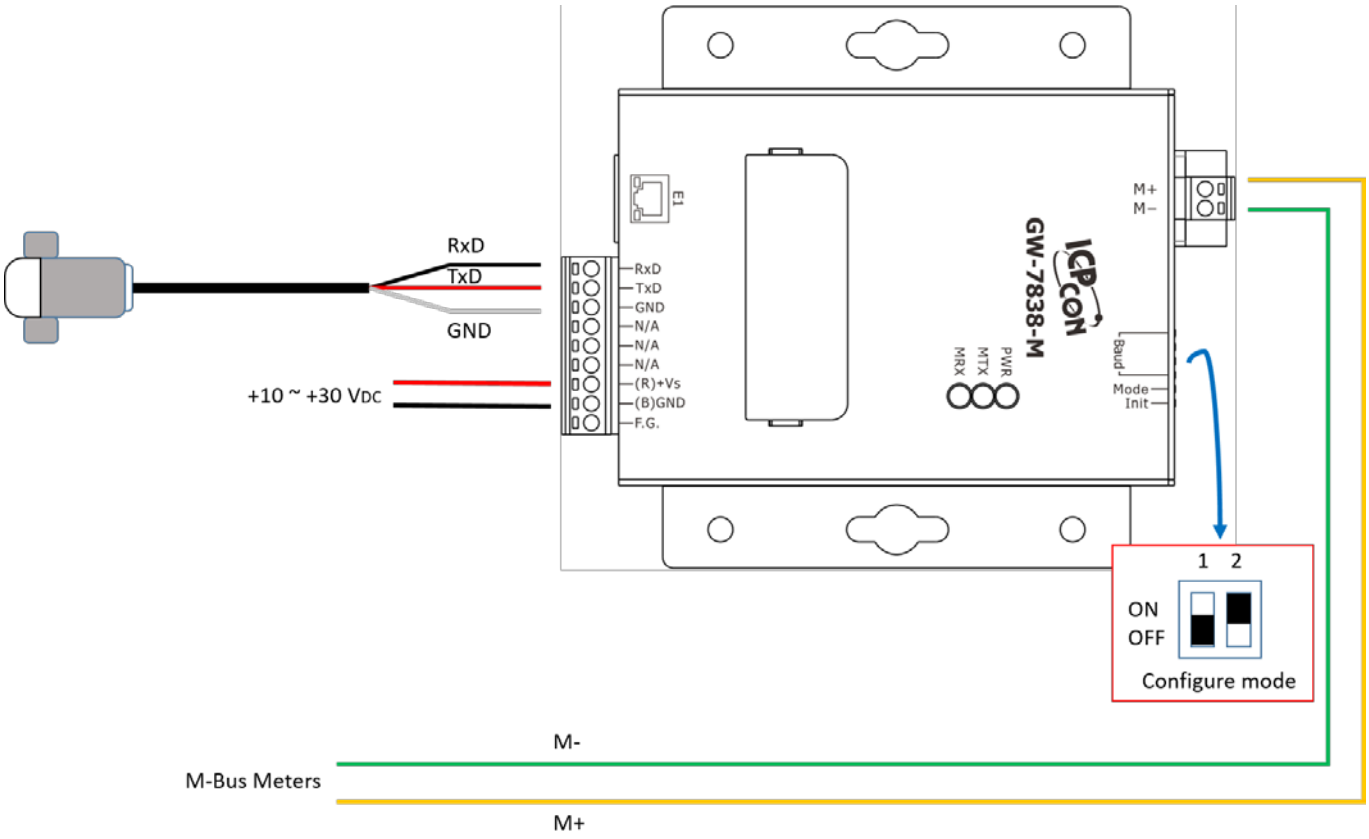


• For Desktop Web



Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

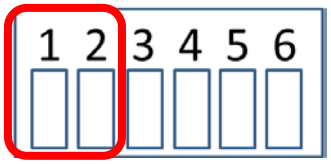
1. Appearance



2. LED Indicator

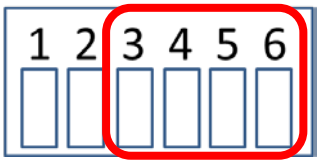
LED	Name	Description
PWR	Power LED	ON: Power On，OFF: Power Off
MTX	M-Bus transmit	Flash: M-Bus transmitting
MRX	M-Bus receive	Flash: M-Bus receiving
7-segment LED	IP Address	Ethernet IP address

3. DIP Switch



1	2	Description
OFF	OFF	Normal Work
ON	OFF	Firmware Update
OFF	ON	Configuration mode
ON	ON	Reserve

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

	3	4	5	6	M-Bus baud rate (bps)
	OFF	OFF	OFF	OFF	300
	ON	OFF	OFF	OFF	600
	OFF	ON	OFF	OFF	1200
	ON	ON	OFF	OFF	2400
	OFF	OFF	ON	OFF	4800
	ON	OFF	ON	OFF	9600
	OFF	ON	ON	OFF	19200
	ON	ON	ON	OFF	38400
	OFF	OFF	OFF	ON	57600
	ON	OFF	OFF	ON	115200
	Others				User-defined

4. Configuration

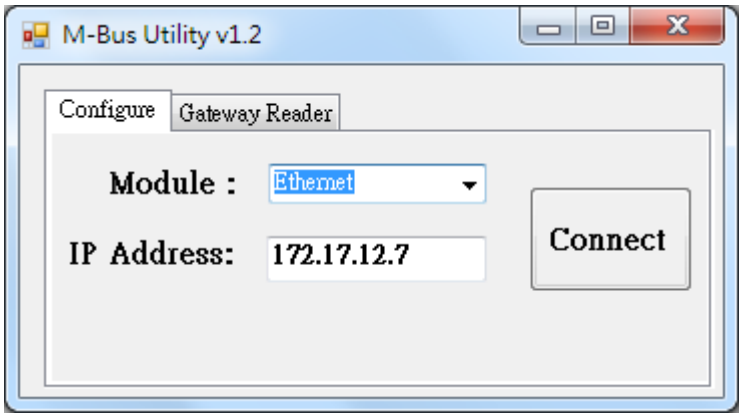
The GW-7838-M utility (MBus Utility) can be downloaded from the website: http://ftp.icpdas.com/pub/cd/fieldbus_cd/m-bus/converter/I-7590/software/

Step1:

Connect the PC Ethernet to the GW-7838-M. Then set the DIP switch to the configuration mode (DIP 1 OFF, DIP 2 ON) and then power it on.

Step2:

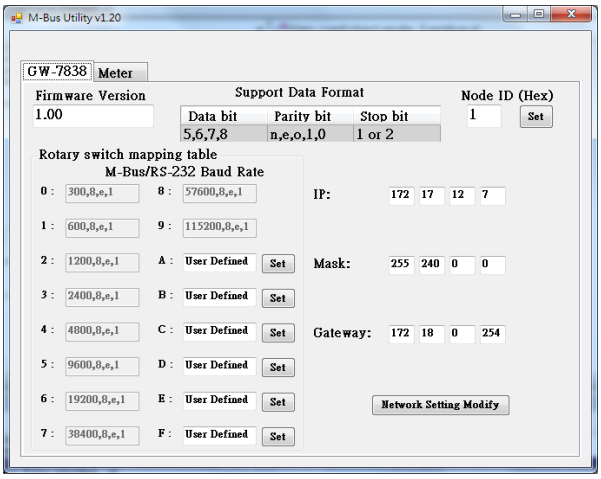
Execute the M-Bus utility, and select Ethernet item and input IP address under the "Configure" tab. Then, click the connect button.



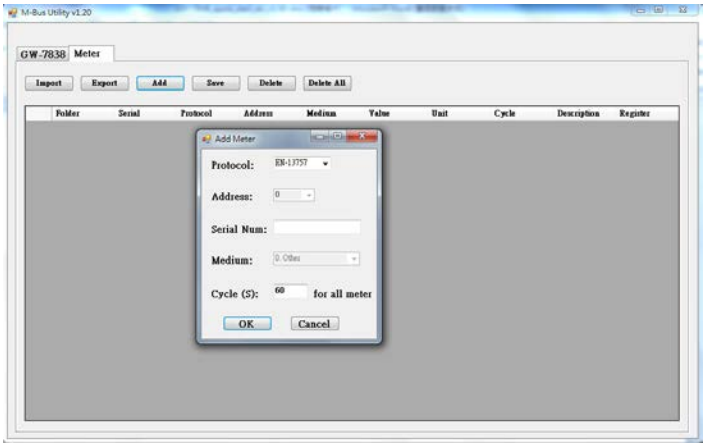
Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Step3:

Afterwards, the M-Bus utility shows all settings stored in the GW-7838-M if it had been configured before. You can refer to the “GW-7838-M user’s manual” to configure the M-Bus meter setting according to the kind of meter. After save all the settings, export the configuration file.



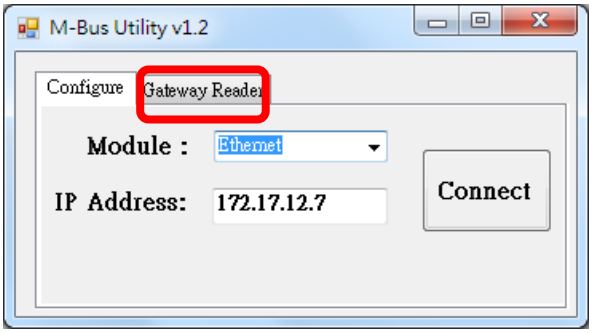
Configure baud rate and data format.



Configure M-Bus meters.

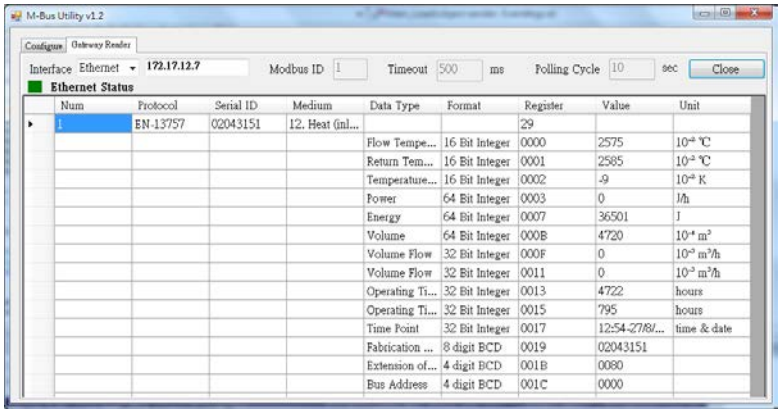
Step4:

After configuration, set the DIP switch to operation mode and reboot the GW-7838-M. Re-execute M-Bus utility and switch to “Gateway Reader” tab.



Step6:

Select the Ethernet and timeout related parameters and press “Start Reader” button. To import the configuration file that exported by step 3. Then the utility will read the meter data according to the set cycle time and display it on the utility.



LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000