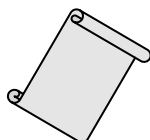


Packing List

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



RMV-762D-MTCP



Quick Start



Screw Driver



Antenna
(ANT-225-05)



CA-0910

Technical Support

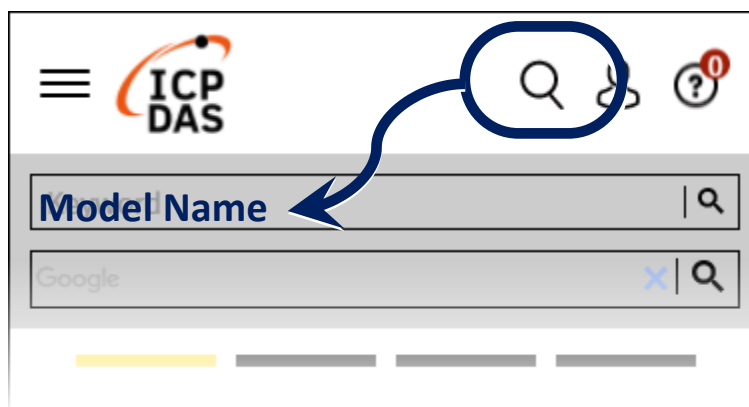
service@icpdas.com

www.icpdas.com

Resources

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

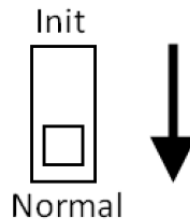
- For Mobile Web



- For Desktop Web

Connect to the module

1. Make sure your PC has workable network settings.
2. Check Init/Normal DIP switch if it is on **Normal** position



3. Run the RMV-762D-MTCP Utility, and check the default settings. The default operation mode is the “Modbus TCP Server/Modbus RTU Master” mode. Users can make the Modbus TCP/IP connection with their Modbus TCP/IP Client. The Modbus TCP/IP command is exchanged by the module and transmitted to the Modbus RTU Slave.

The screenshot shows the RMV-762D-MTCP utility window. It contains several configuration sections:

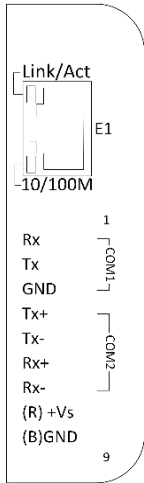
- Ethernet:** Module IP (192.168.255.1), IP Address (192.168.255.1), Subnet Mask (255.255.0.0), Gateway (192.168.0.254), DHCP (Disable), AP Reconnect (Disable).
- Wi-Fi:** Mode (Limit-AP), SSID (RMV762DMTCP), Security (Auto), Password (rmv762dmtcp), Channel (7), IP Address (192.168.255.2), Subnet Mask (255.255.0.0), Gateway (192.168.0.254), DHCP (Disable).
- Serial Port:** Net ID (1), Baudrate (115200), Data Bits (8), Parity (None), Stop Bits (1).
- Operation Mode:** Modbus TCP Server/Modbus RTU Master (selected), Modbus RTU Slave/Modbus TCP Client, Vxcomm.
- Connect to Server:** Server IP (192.168.255.3).

Buttons include: Connect, FW ver., Submit, FW Update, Set Default, and EXIT.

4. Make the Modbus RTU connection with the serial port of the RMV-762D-MTCP, and make the Wi-Fi connection with the PC's Wi-Fi interface.

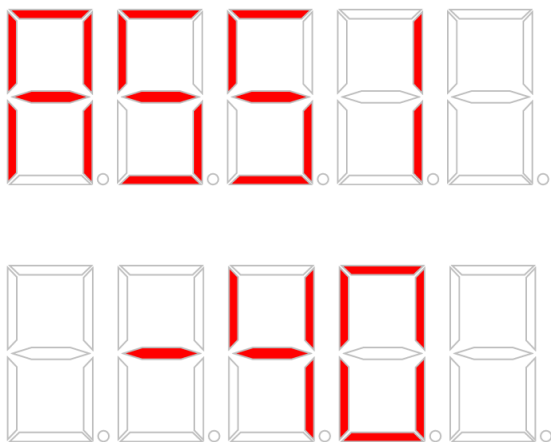


5. Wire Connection



Pin	Name	Description
1	Rx	Rx of RS-232
2	Tx	Tx of RS-232
3	GND	GND of RS-232
4	Tx+	Tx+ of RS-422/D+ of RS-485
5	Tx-	Tx- of RS-422/D- of RS-485
6	Rx+	Rx+ of RS-422
7	Rx-	Rx- of RS-422
8	(R)+Vs	V+ of Power Supply (+10~+30 VDC)
9	(B)GND	GND of Power Supply

6. The module shows the RSSI value when the module completes the initial process. If the signal strength is -40dBm, the 7-segment LED is shown as the following figures.



7. Users can find the SSID of the RMV-762D-MTCP in the Windows Wi-Fi SSID list. When the Wi-Fi connection is established, the Modbus command can be exchanged by the module and transmitted to the Modbus RTU slave.
8. Please refer to the manual for more details.

Item	Manual Chapter
Operation Mode	1.1
Wire Connection	2.3
7-seg LED	2.5
Utility	2.6
Error Code	Appendix

Application

The RMV-762D-MTCP can be changed to another Modbus role with the utility. When one side is set in the slave mode, the other side is set in the master mode. To make the Modbus command exchange via the Wi-Fi interface.

