

RMV-762D-MTCP

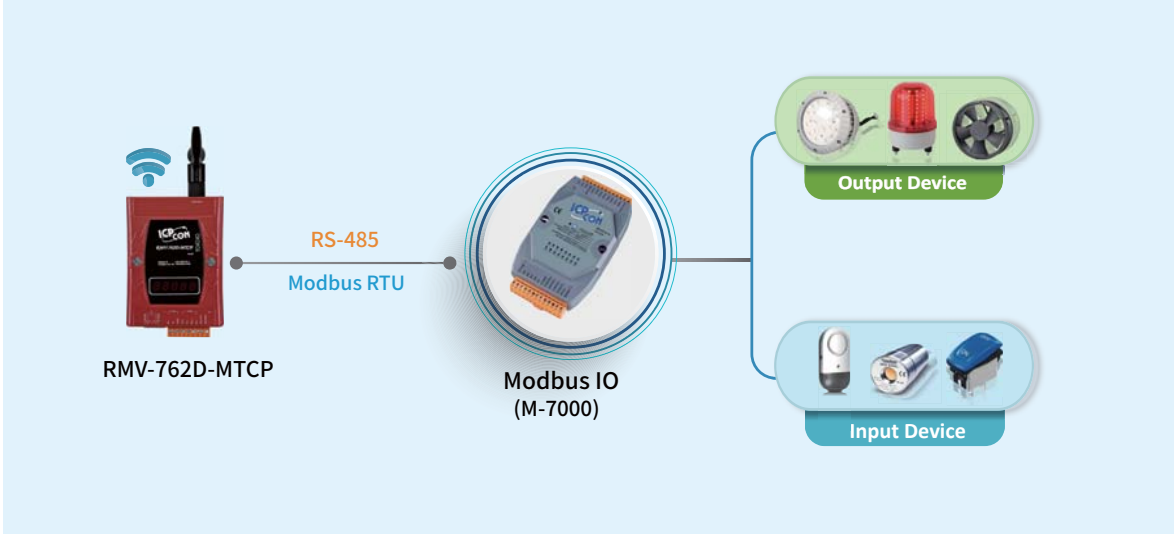
MB TCP/RTU Data-Exchange With Wi-Fi Interface Gateway (Asia Only)

Features

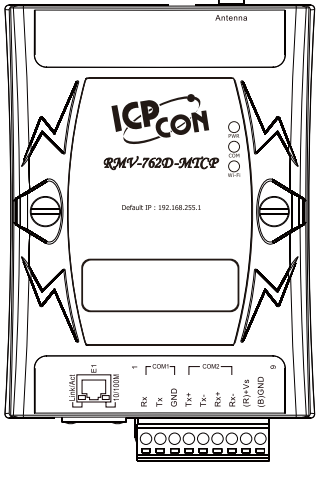
- Supports pair-connection applications
- Supports Virtual COM applications
- Application Modes: Virtual COM, MB TCP Server/Client, MB RTU Master/Slave
- Full compatible with IEEE 802.11 a/b/g
- Frequency: 2.4/5 GHz.
- Support WPA-PSK, WPA2-PSK for Wi-Fi encryption
- Support Wi-Fi Limit-AP and Infrastructure mode.
- Easy firmware update via Ethernet

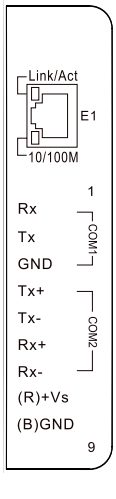
Introduction

RMV-762D-MTCP is a wireless Modbus TCP/RTU gateway. The IEEE 802.11 a/b/g 2.4GHz and 5GHz are available on the Wi-Fi interface. It exchanges Modbus command from Modbus TCP/RTU master to Modbus RTU/TCP slave. Modbus TCP command can be transceived not only Ethernet port but also Wi-Fi interface. It supports VxComm and Pair-Connection functions. Users can choose Ethernet mode or Wi-Fi mode to do the pair connection, which provides TCP data tunneling between two serial devices.



Pin Assignments





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

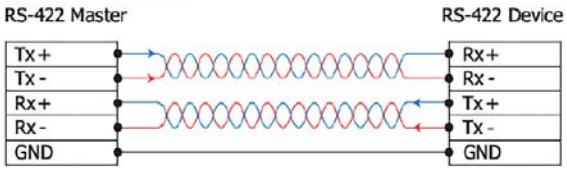
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System Specifications

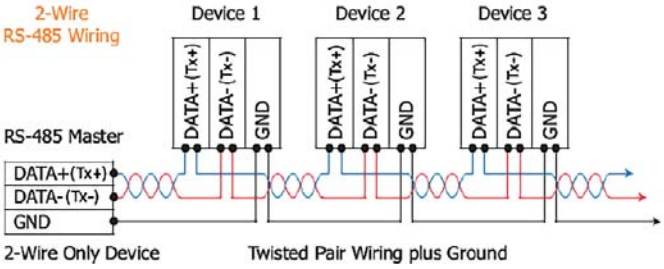
CPU Module	
CPU	32-bit MCU
Wi-Fi	
Antenna	Omni-Directional 3 dBi @ 2.4 GHz 5.5 dBi @ 5 GHz
Channels	2.4 GHz: CH1~11 5 GHz: CH36,40,44,48
Encryption	WEP, WPA and WPA2
Mode	Limit-AP & Infrastructure
Standards	IEEE 802.11 a/b/g
Transmission Range	50 m (LOS)
COM Ports	
Ports	1 x RS-232 1 x RS-485 1 x RS-422
Baud Rate	115200 bps Max.
Parity	None, Odd, Even
Data Bit	7, 8
Stop Bit	1, 2
Ethernet	
Ports	1 x RJ-45, 10/100 Base-TX, 8-pin
Power	
Input Range	+10 ~ 30 VDC
Consumption	0.05 A @ 24 VDC
Mechanical	
Dimensions (mm)	33 x 106 x 120 (W x L x H)
Installation	DIN-Rail
Environment	
OperatingTemperature	-25 ~ +75°C
Storage Temperature	-30 ~ +80°C
Humidity	10 ~ 95% RH, Non-condensing

Wire Connections

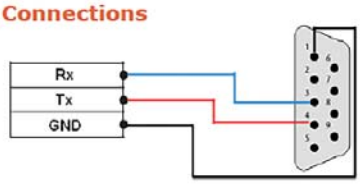
RS-422 Wire Connections



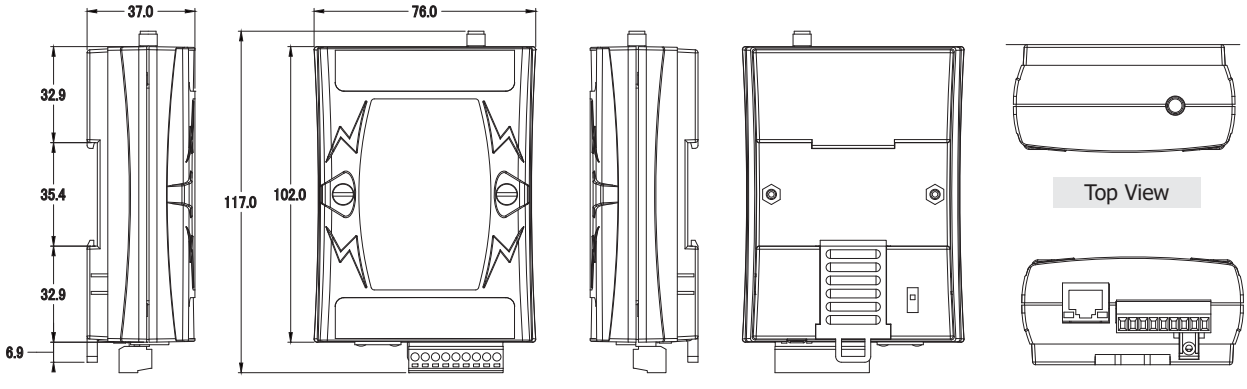
RS-485 Wire Connections



RS-232 Wire Connections



Dimensions (Units: mm)



Left View | Front View | Right Side View | Rear View | Top View | Bottom View

Ordering Information

RMV-762D-MTCP CR	MB TCP/RTU Data-Exchange With Wi-Fi Interface Gateway (Asia Only) (RoHS)

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