

Title: How to connect M200 PLC inside a subnet router?

Chen Tao 2015-05-27

Apply to:

SoMachine Basic 1.3 SP1 EL build 44557

TM200CE40U

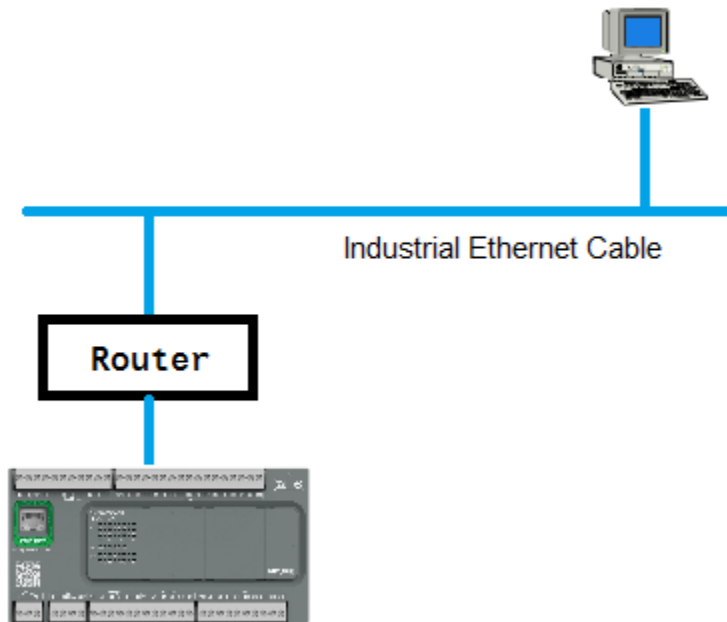
TL-WR710N

Summary:

This document will introduce you how to remote download program to M200 PLC inside a subnet router.

Solution:

1. Connection Diagram:



2. M200 PLC Setup
PLC got IP address by DHCP server.

Ethernet

Device name	<input type="text" value="M200"/>						
<input checked="" type="radio"/> IP address by DHCP							
<input type="radio"/> IP address by BOOTP							
<input type="radio"/> Fixed IP address							
IP address	<input type="text" value="192"/>	.	<input type="text" value="168"/>	.	<input type="text" value="1"/>	.	<input type="text" value="101"/>
Subnet mask	<input type="text" value="255"/>	.	<input type="text" value="255"/>	.	<input type="text" value="255"/>	.	<input type="text" value="0"/>
Gateway address	<input type="text" value="0"/>	.	<input type="text" value="0"/>	.	<input type="text" value="0"/>	.	<input type="text" value="0"/>
Transfer Rate	<input type="text" value="Auto"/>						
Security Parameters							
<input checked="" type="checkbox"/> Programming protocol enabled							
<input checked="" type="checkbox"/> Auto discovery protocol enabled							
<input checked="" type="checkbox"/> Modbus server enabled							

Check actual IP address, (Menu: Commissioning-Controller Info)

Ethernet information

IP address	<input type="text" value="192.168.1.101"/>
Subnet mask	<input type="text" value="255.255.255.0"/>
Gateway address	<input type="text" value="192.168.1.253"/>

3. Router Setup

WAN status:

WAN口状态	
MAC 地址:	08-57-00-69-0E-A1
IP地址:	10.177.73.1 动态IP
子网掩码:	255.255.255.0
网关:	10.177.73.1 <input type="button" value="释放"/>
DNS 服务器:	10.177.40.244 , 10.177.0.178

Add new item as below, the same IP address as M200 PLC actually got. Choose port: 502 for Modbus communication.

虚拟服务器

虚拟服务器定义了广域网服务端口和局域网网络服务器之间的映射关系，所有对该广域网服务端口的访问将会被重定位给通过IP地址指定的局域网网络服务器。

ID	服务端口	IP地址	协议	状态	编辑
1	502	192.168.1.101	ALL	生效	编辑 删除

[添加新条目](#)[使所有条目生效](#)[使所有条目失效](#)[删除所有条目](#)[上一页](#)[下一页](#)[帮助](#)

4. Add IP address

Programming

Commissioning

Ethernet Devices

10.177. . .

192.168.1.101

Login

Logout

Remote Lookup

10

.

177

.

.

.

Add

The same IP address as router got for its wan port.
Login and communication OK.