

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

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Apply to:

SoMachine Basic 1.3 SP1 EL build 44557

TM200CE40U

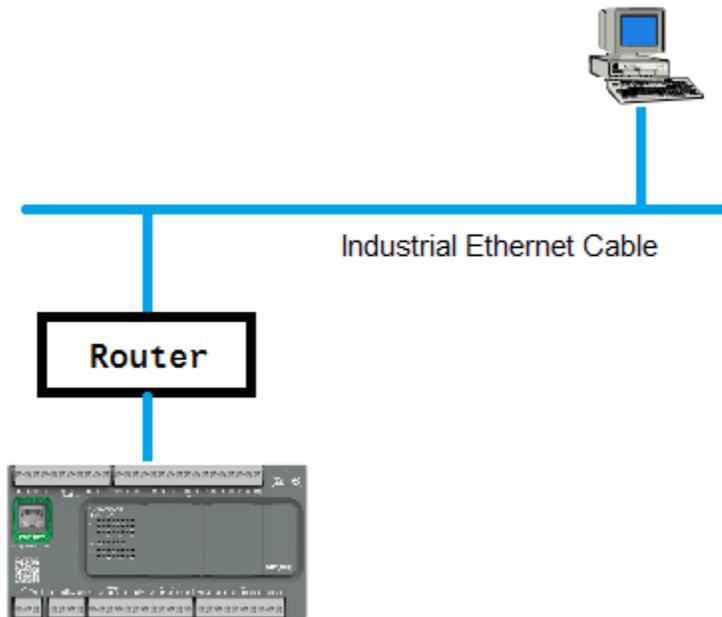
TL-WR710N

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

IP address by DHCP
 IP address by BOOTP
 Fixed IP address

IP address . . .

Subnet mask . . .

Gateway address . . .

Transfer Rate

Security Parameters

Programming protocol enabled
 Auto discovery protocol enabled
 Modbus server enabled

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

Ethernet information

IP address

Subnet mask

Gateway address

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

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4. Add IP address

The screenshot shows a web interface with two tabs: 'Programming' (active) and 'Commissioning'. Under 'Ethernet Devices', there is a list of devices. One device is highlighted with a red background and contains the IP address '192.168.1.101'. To the right of this list are 'Login' and 'Logout' buttons. Below the 'Ethernet Devices' section is the 'Remote Lookup' section, which has input fields for IP address segments: '10', '177', and two redacted fields. An 'Add' button is highlighted with a red box.

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