



# Troubleshoot - Permanent IP Address - Windows 7 Embedded - Beckhoff

How to setup or change the IP address on a Beckhoff CX5120/CX5020 running on Windows 7 Embedded.

 Difficulty Easy

 Duration 5 minute(s)

## Contents

Step 1 - No Teamviewer?

Step 2 - IP Information

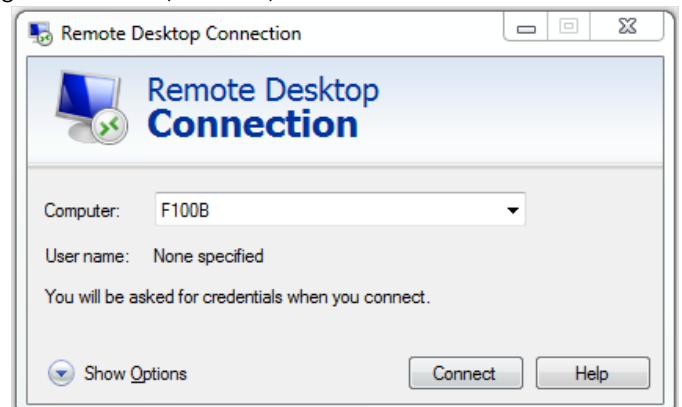
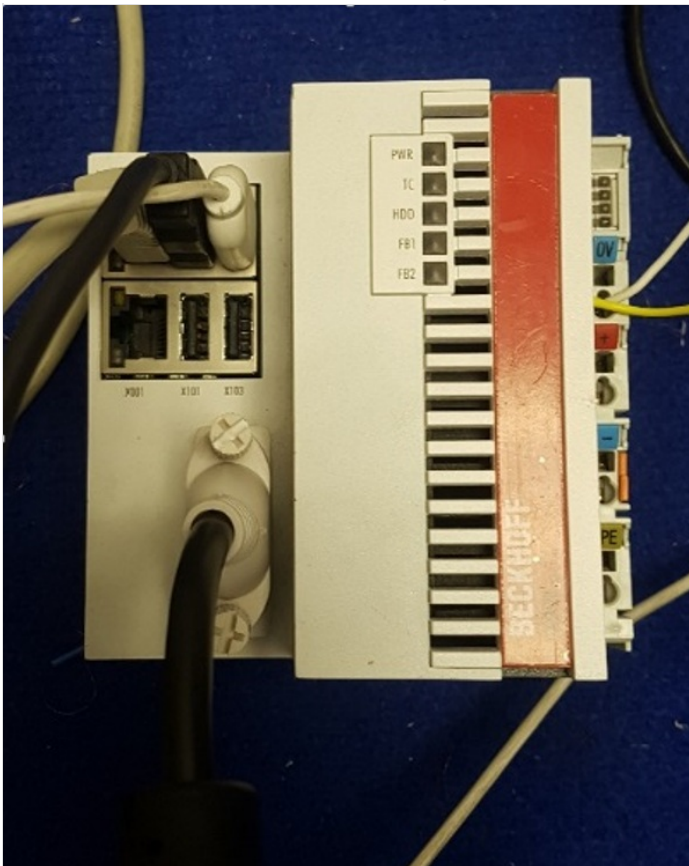
Step 3 - Navigate and Change

Comments

## Step 1 - No Teamviewer?

Sometimes there is no possible way of connecting to a Beckhoff PC due to an IP address conflict. In this case there are two options:

1. The **customer** must find a monitor with DVI port, DVI cable, USB keyboard, USB mouse and complete the next steps.
2. Connect to the PLC via **Remote Desktop** from the front end PC using the PLC name (i.e F050B)



## Step 2 - IP Information

When changing a permanent IP address it must be changed to an IP address that has been reserved. The customer is the only person that can assure this. If we cannot gather a permanent IP address put address as high to 250 as possible. Check this IP address is not taken by pinging it.

All other information can be gathered through typing `ipconfig/all` in the command prompt.

```
Ethernet adapter Ethernet 2:

Connection-specific DNS Suffix . . . : Realtek PCIe GBE Family Controller #2
Description . . . . . : Realtek PCIe GBE Family Controller #2
Physical Address. . . . . : 8C:8E:8F:1D:01:05
Dhcp Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::193:148d:1491:1916%10 (Preferred)
IPv4 Address. . . . . : 192.168.80.141 (Preferred)
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.1.1
Dhcpv6 IAID . . . . . : 31947775
Dhcpv6 Client DUID. . . . . : 01-01-00-01-10-00-00-00-0A-36-00-56
DNS Servers . . . . . : 8.8.8.8
                        8.8.4.4
NetBIOS over Tcpip. . . . . : Enabled
```

## Step 3 - Navigate and Change

1. Go to Start
2. Control Panel
3. Network Connection
4. There will be two networks present: one will show EtherCAT; the other **EtherNET** or **Local Area Connection**, **Right Click** on this and go to **Properties**.
5. Scroll down the connection options and left click the text of **Internet Protocol (TCP/IP)** and click **Properties**
6. Input IP address, subnet mask and default gateway, preferred and alternate DNS server.
7. Click **OK** to submit.

