How to configure a serial PPP connection in Windows 7

PRIMUS Solution emc257433 W/ FULL STEP BY STEP PROCEDURE INCLUDED BELOW

ID: **emc257433**
Domain: EMC1
Solution Class: 3.X Compatibility

Goal   **How to configure a serial PPP connection in Windows 7**
Fact   Product: VNX series
Fact   Product: CLARiiON CX4 series
Fact   Product: CLARiiON CX3 series
Fact   Product: CLARiiON CX series
Fact   Product: CLARiiON AX series
Fact   Product: Celerra
Fact   OS: Microsoft Windows 7

Fix   **First, create the COM port modem**

1. Click Start -> Control Panel -> Phone and Modem.
2. Click Modem Tab and click add.
3. On the Install new Modem Pane, select the "Don't detect my modem" box, then click Next
4. There will be a pause while it loads the models. Select Communications cable between two computers, then click Next.
5. Select your COM port, click Next and it is done.

Next, to set up the PPP connection

1. Click Start -> Control Panel -> Network and sharing center, click Set up a new connection or network (at the bottom).
2. On the next screen, select set up a dial-up connection and click Next.
3. The next screen should list modems and select the "Communications cable between two computers" you created above.
4. On the next screen do not put a phone number in, but put in the username and password (clariion and clariion!) and give it a name.
5. The above connection should now appear in Network Connections, right-click it and select Properties.

**Once the connection is set up, modify the settings as follows:**

1. In the General tab, click configure and set Max speed to 115200 and select enable hardware flow control.
2. In the Options tab, click PPP settings and check top two boxes are selected (LCP extensions and SW compression).
3. In the Security tab, check Data Encryption is "Optional Encryption (connect even if no encryption)" is set.
4. In the Networking tab, check Internet Protocol Version 4 is selected.
5. In the Networking tab, choose Internet Protocol Properties, then the Advanced button. Uncheck "Use default gateway on remote network."

Your connection can then be accessed from Network Connections

See below for a Step by Step guide with screenshots to assist you with setting up your WIN 7 PPP connection:

When using a "USB to Serial cable", check that the port is correctly recognized and note down the COM port number. Please, be aware that the "USB to Serial cable" may get a different COM port number assignment each time it is used.
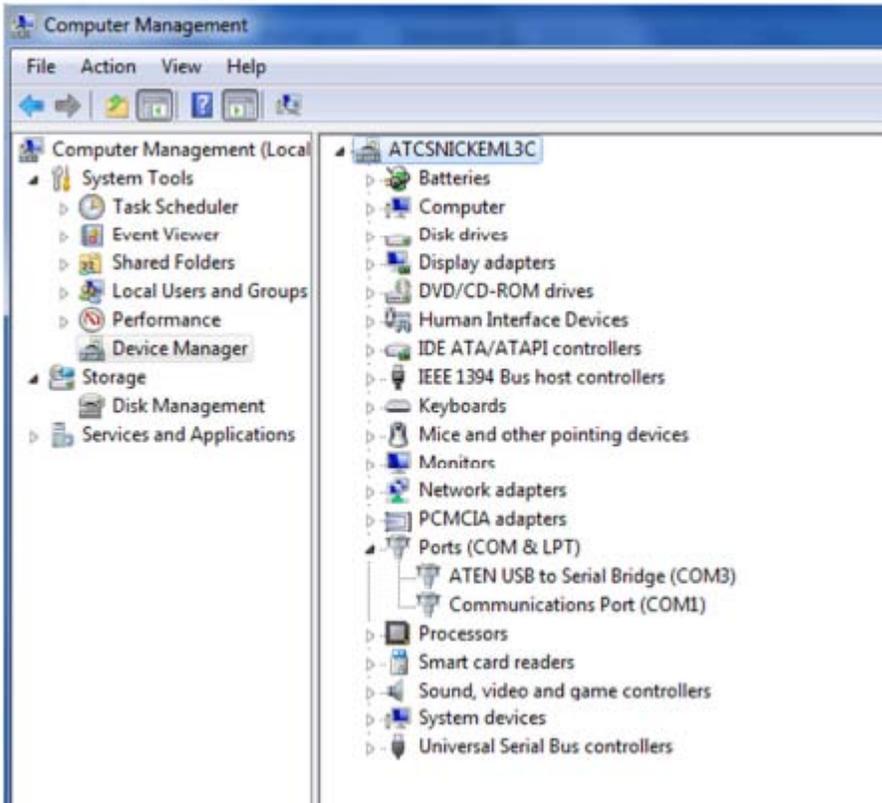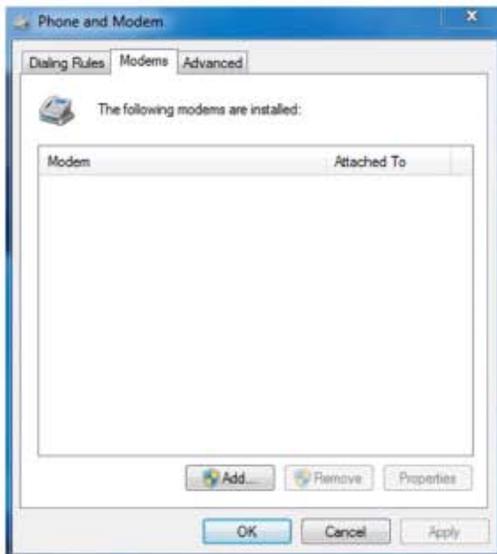

You may check this in "Computer Management" .

To set up the PPP connection perform the following steps:
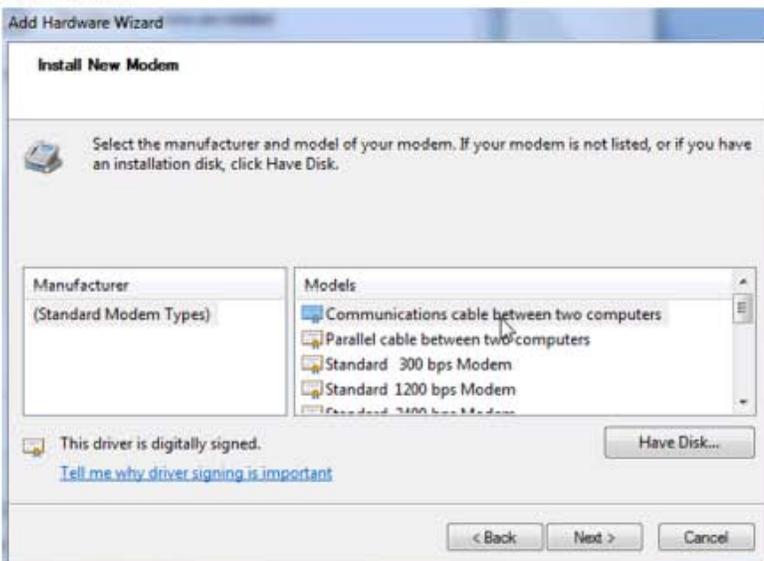
Open the Control Panel. Search for "Phone"

Select Phone and Modem, choose the Modems tab & click add

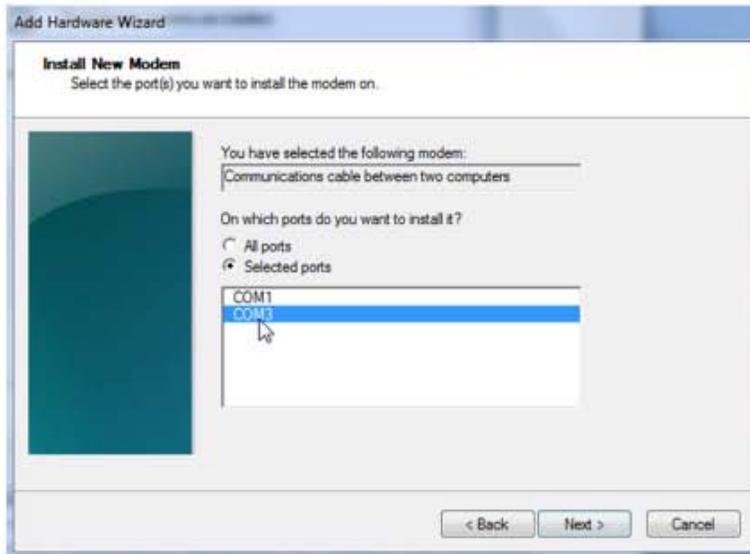On the Install New Modem Pane **select** the **Don't detect my modem …** box, then click next

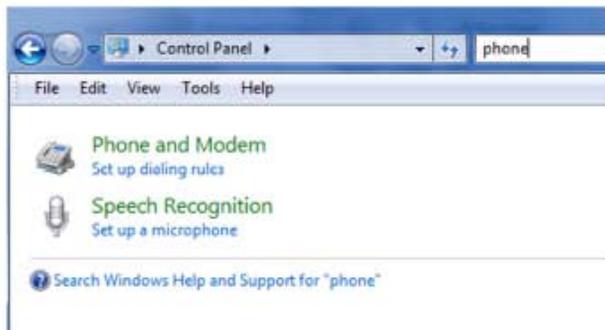There will be a pause while it loads the models, select Communications cable between two computers, then click Next to continue.
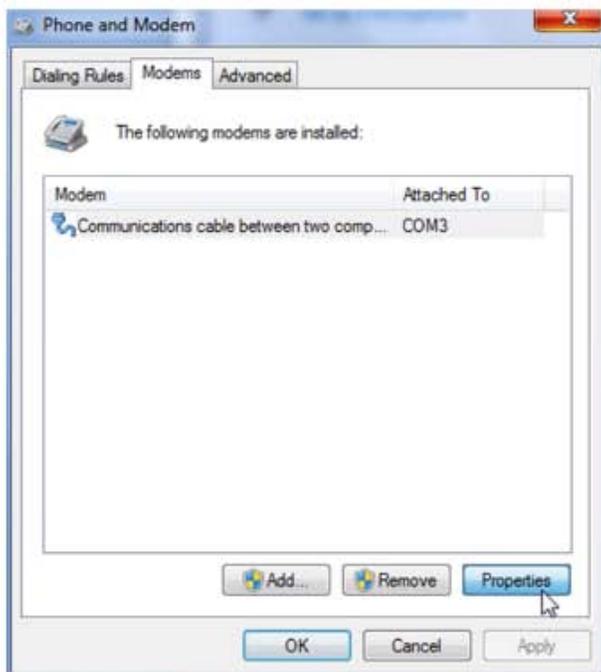
Select the COM port you want to use, click Next and Finish.

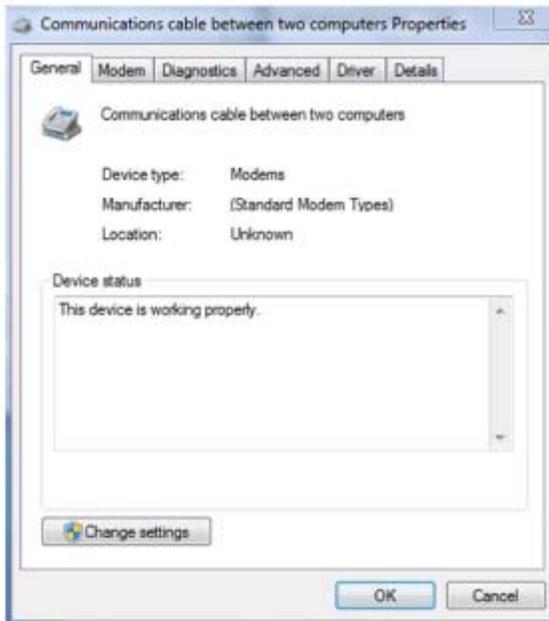Open the Control Panel. Search for "Phone"

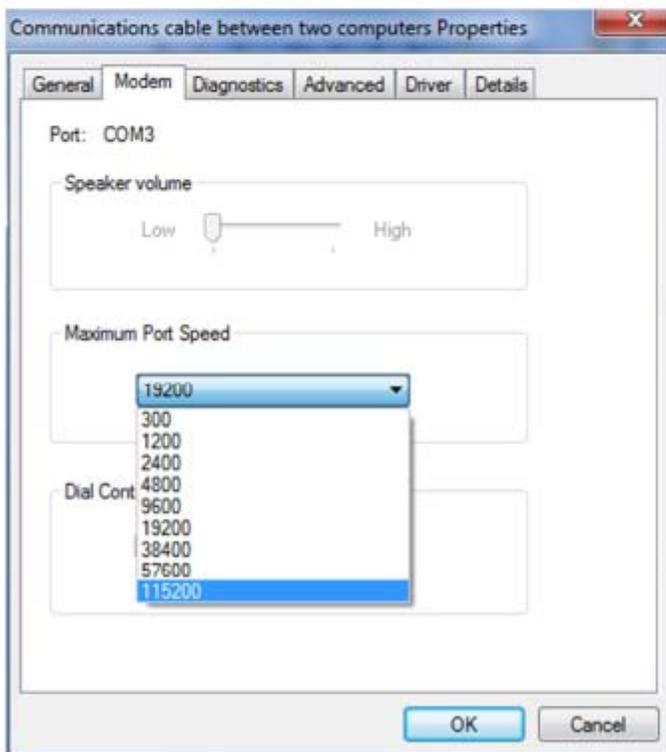In the Modems tab select the Communications cable ... and choose Properties

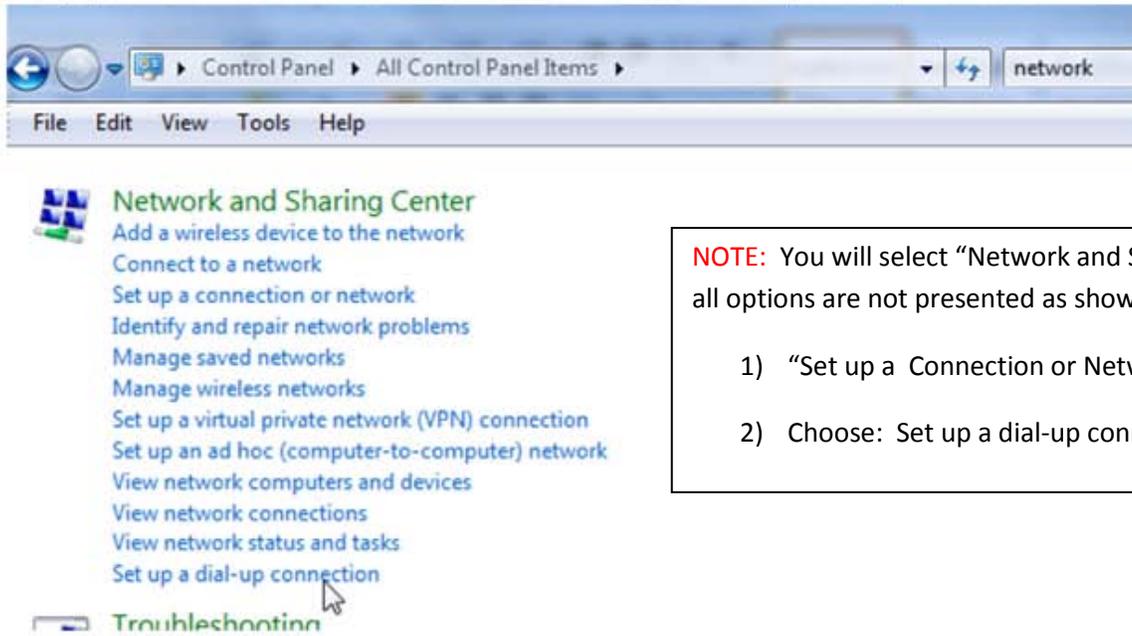Select Change settings.

In the Modem tab, change the Maximum Port Speed to 115200 and press OK.

Next, open the Control Panel. Search for "Network" and select Set up a dial-up connection.

Control Panel ▶ All Control Panel Items ▶   ▼ ↵ network

File   Edit   View   Tools   Help

Network and Sharing Center
Add a wireless device to the network
Connect to a network
Set up a connection or network
Identify and repair network problems
Manage saved networks
Manage wireless networks
Set up a virtual private network (VPN) connection
Set up an ad hoc (computer-to-computer) network
View network computers and devices
View network connections
View network status and tasks
Set up a dial-up connection

Troubleshooting

NOTE: You will select "Network and Sharing Center". If all options are not presented as shown to the left, select:

1) "Set up a Connection or Network"

2) Choose: Set up a dial-up connection

Enter the following:

Dial-up phone number: 0
User name: clariion
Password: clariion!
Connection name: Clariion PPP Connection

Click Connect to continue.

Create a Dial-up Connection

Type the information from your Internet service provider (ISP)

Dial-up phone number: 0   Dialing Rules

User name: clariion

Password: •••••••••

                              ☐ Show characters
                              ☐ Remember this password

Connection name: Clariion PPP Connection

🛡 ☐ Allow other people to use this connection
        This option allows anyone with access to this computer to use this connection.

I don't have an ISP

                                                    Connect   Cancel

The host is trying to connect, but fails. (This is intended) Select Set up the connection anyway and close to continue.

Create a Dial-up Connection

Connection failed with error 777

The connection attempt failed because the modem (or other connecting device) on the remote computer is out of order.

→ Try again

→ Set up the connection anyway

Create a Dial-up Connection

The connection to the Internet is ready to use

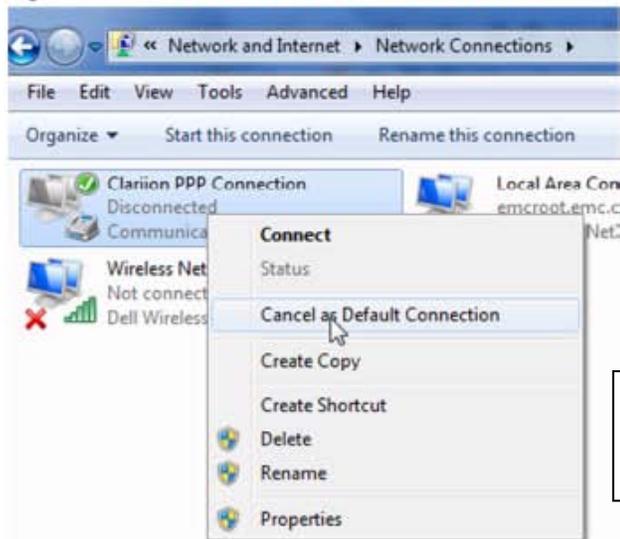To connect to the Internet next time, left-click the network icon in the taskbar and click the connection you just created.

Cancel

Close

Select View network connections

Control Panel ▸ All Control Panel Items ▸   network

File   Edit   View   Tools   Help

Network and Sharing Center
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View network computers and devices
View network connections
View network status and tasks
Set up a dial-up connection

NOTE: You may need to select: "Change adapter settings" if all options are not presented like the current screenshot to the left.

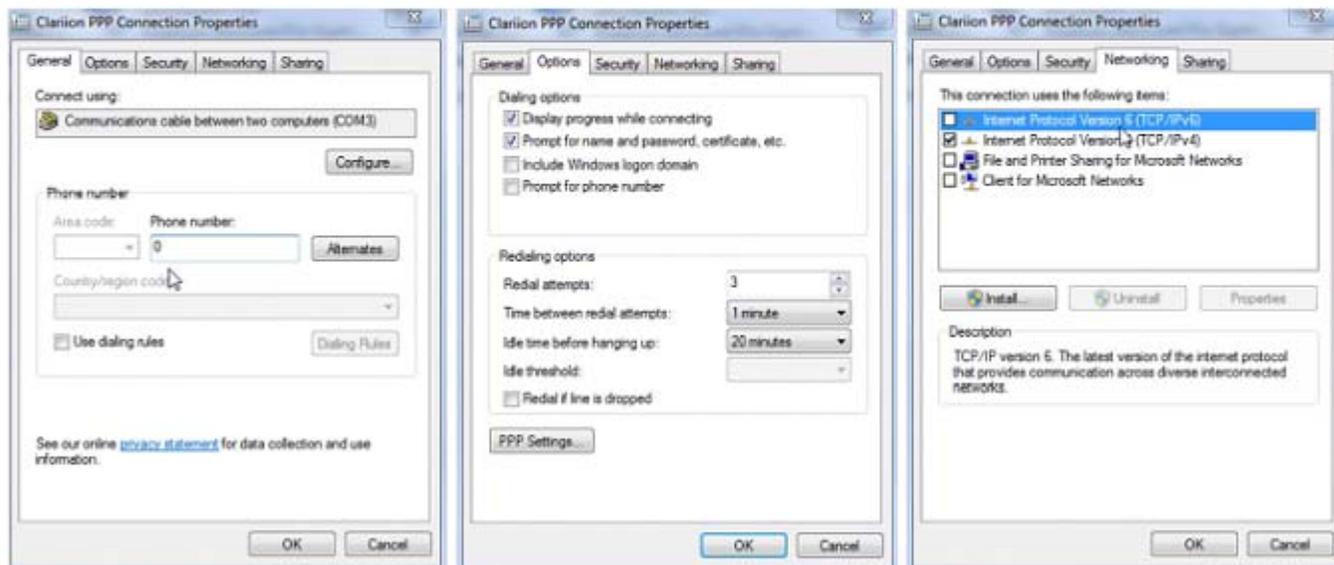Right click on the Clariion PPP Connection and select Cancel as Default Connection.

« Network and Internet ▸ Network Connections ▸

File   Edit   View   Tools   Advanced   Help

Organize ▼   Start this connection   Rename this connection

Clariion PPP Connection
Disconnected
Communica

Local Area Con
emcroot.emc.c
Net2

Wireless Net
Not connect
Dell Wireless

Connect
Status
Cancel as Default Connection
Create Copy
Create Shortcut
Delete
Rename
Properties

You can also name it or rename it at this time.

Right click on the Clariion PPP Connection and select Properties.

Delete the "**0**" in the Phone number area in the General tab. (Here still shown to find the location)
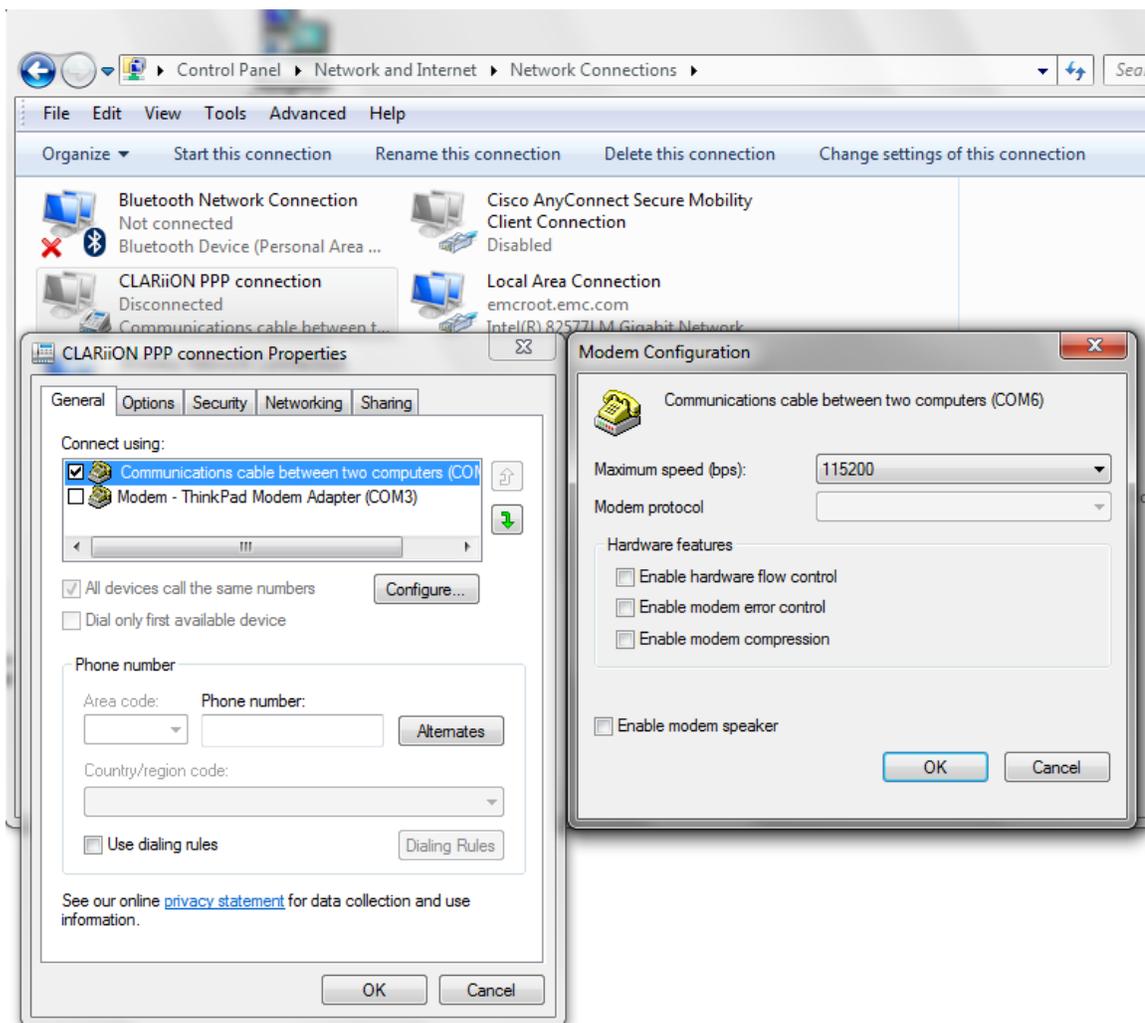Deselect the prompt for phone number in the Options tab.
Deselect the Internet Protocol Version 6 in the Networking tab. Click OK to save the changes.

Right click on the CLARiiON PPP Connection once again and select Properties
Select Communication cable between two computers and click on Configure
Set the speed to 115200 Click OK. Then Click OK again!

To connect to a Clariion or VNX for Block double click the Clariion PPP Connection. Enter User name: clariion and password: clariion! and press Dial.

REMEMBER!!! When using a "USB to Serial cable", check that the port is correctly recognized and note down the COM port number.   → Please, be aware that the "USB to Serial cable" may get a different COM port number assignment each time it is used. ←

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