Compact Logix ''1769-L32E'' Packaged Controller

1. **1769-L32E- CompactLogix- 5332 Processor Unit:** *Memory 720kb, Ethernet Communication Link, RS-232 serial Communication Link (DF1 or ACSII), Embedded I/O: 16DC i/p, 16 DC o/p, Analog 4 i/p & 2 o/p, 4 High Speed Counters.*

2. **1769-PA4 Power Supply:** *120/220 VAC,18W,25A, i/o Module.*

3. **1769-IQ16-A, DC Input Module:** *10-24-volt sink/source Digital 16 input Mode.*

4. **1769- OW8-B, O/P Module:** *8-point Vac/Vdc, Normally Open*

5. **1769-IF4-B, Analog Current/Voltage Input Module:** *4-channel*

6. **1769- OF2-B, Analog Output Module:** *2 single ended Current or Voltage*

7. **1769-SDN, Device Net:** *SCANNER & COMMUNICATION, 125.250,500 Kbps 440mA.*

8. **1769-ECR-A:** *Compact Logix End Cap Terminator Right.*

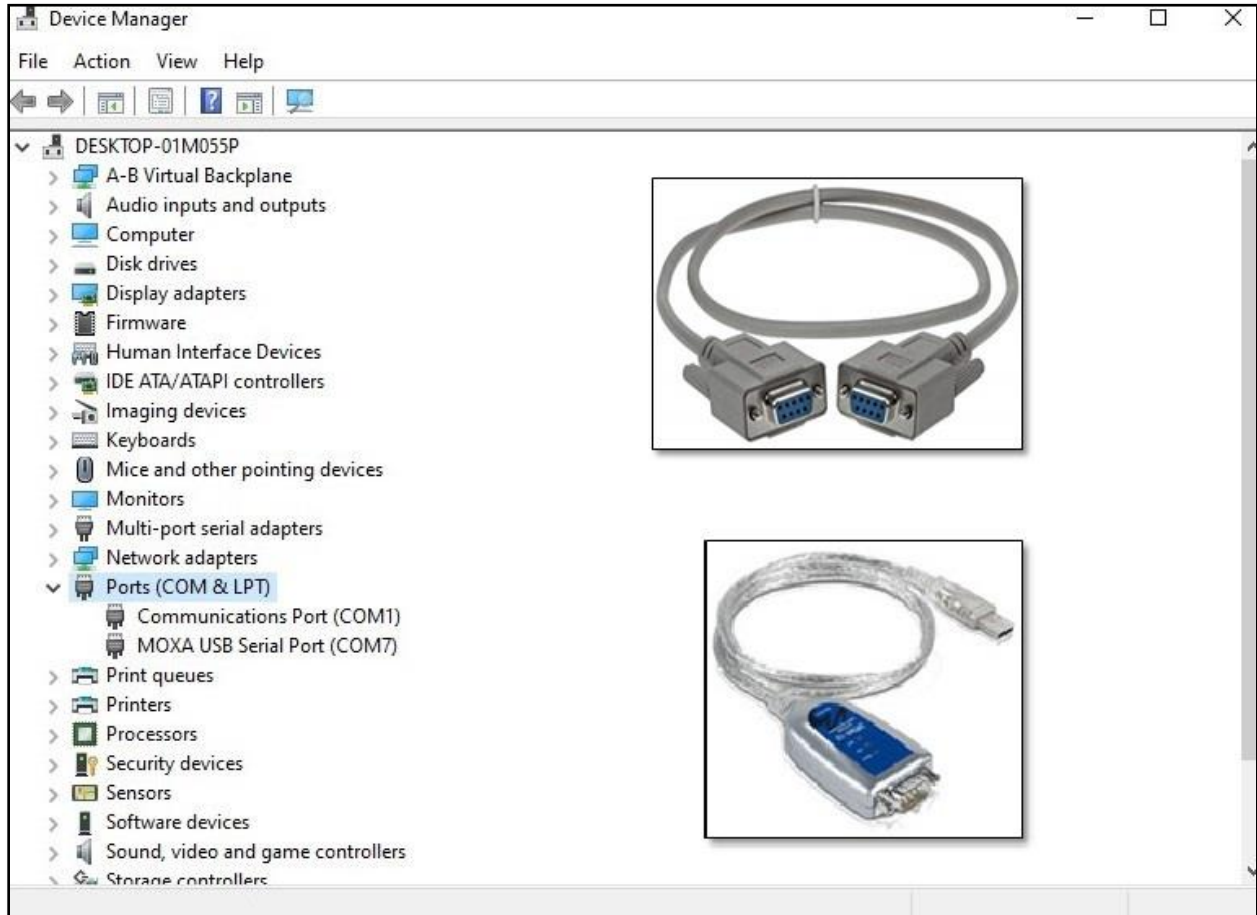**Fig: Compact Logix "1769-L32E" DC I/O + AC I/O + Device Net**

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Download ''RS-Logix 5000'' with ''RSLinx Classic & BootP-DHCP Server 2.3.2''.

Connection from Rs-232 Cable

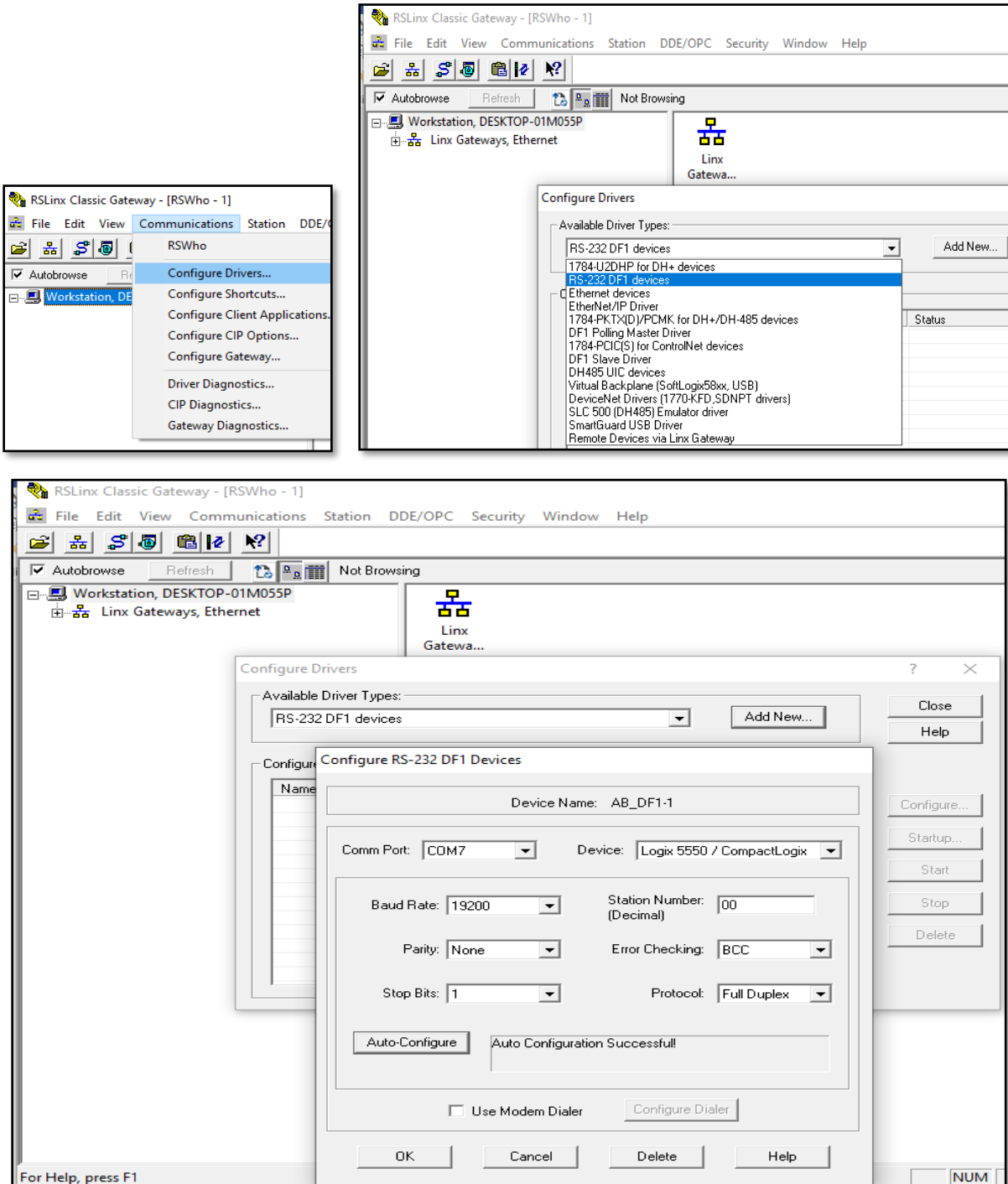**Connect ''Rs-232 / F'' to Computer, if doesn't work, go with USB ''Moxa-UPort 1150''**
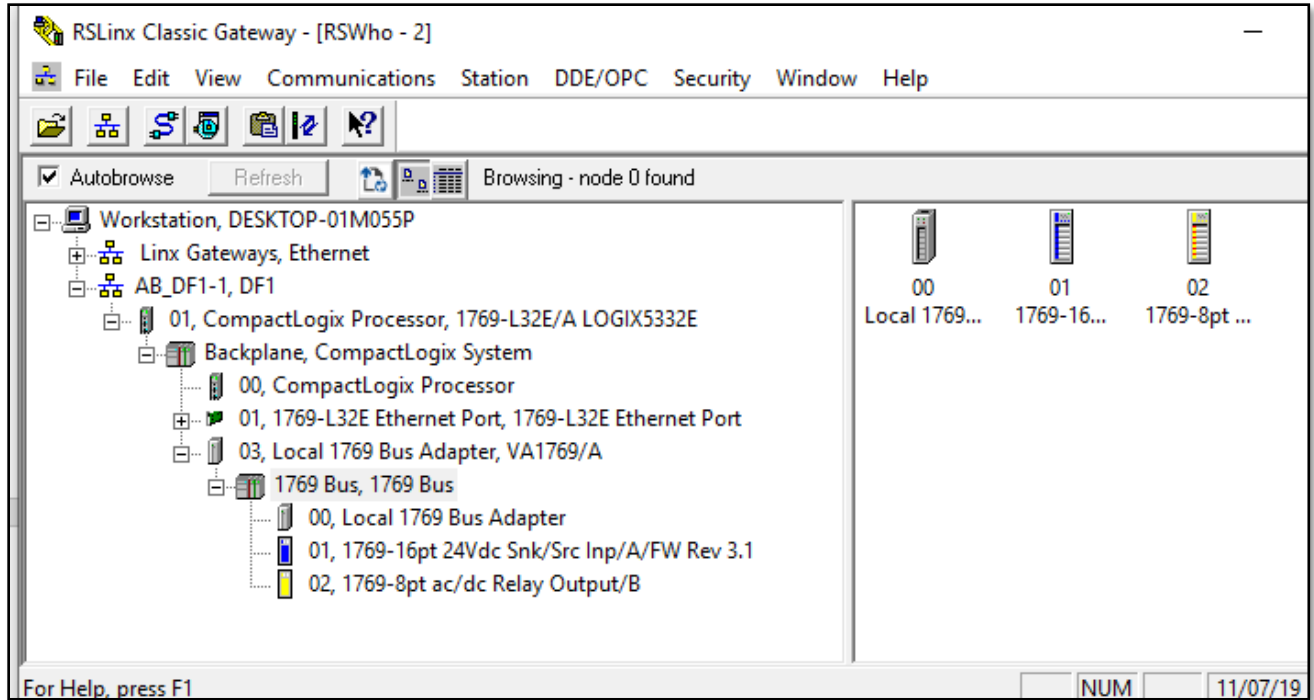
Download the driver of Moxa-UPort-1150 if needed.

1. Configure Port Connection through Ports of Device Manager as shown in figure.

2. Connect RS-232 with the Compact Logic '1769-L32'.

3. Ensure the rest of the module is connected properly with termination cap at the end.

4. Connect Compact Logic in Power Supply and Open the RSLinx Classic.

5. Communication port number may vary.

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6. **Open Rs-Linx Classic & Configure Driver to select ''RS-232-Df1'' Devices from the list.**

7. **Press ''Add New'' and press ''ok'' then select the ''Comm Port No, Device'' & Auto Configure to make Successful where you will see running then close it, if not worked check the cable.**
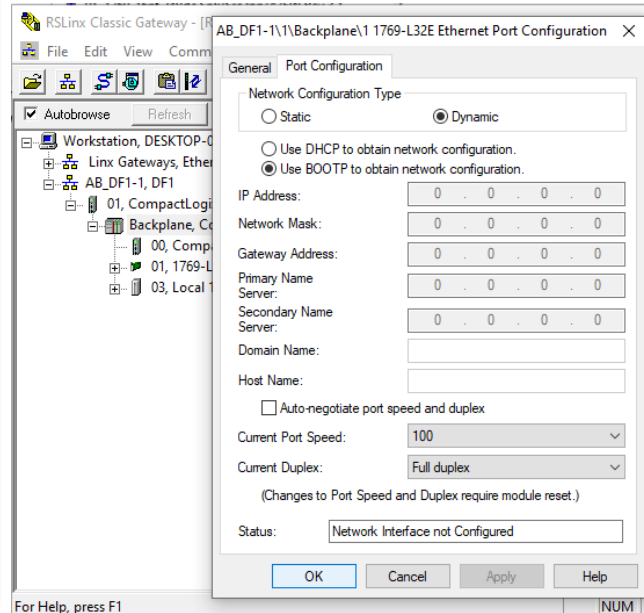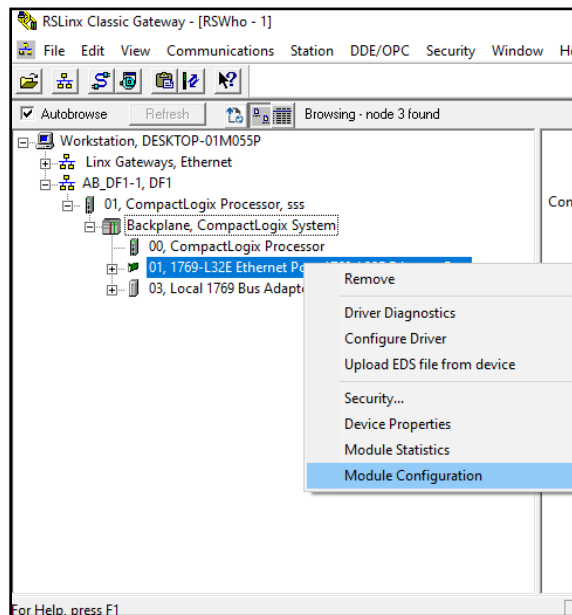
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In total now only '1' power supply and '2' DC I/O are connected so 3 modules are shown.
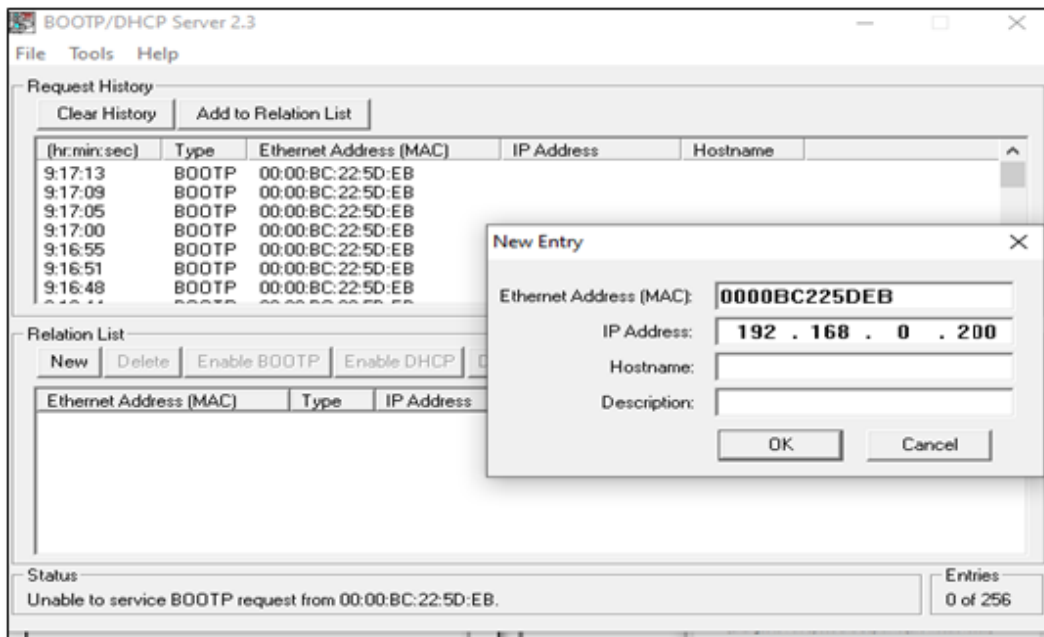**Now open the RS-Logic 5000 and program it to control PLC**

Connection with the Ethernet:

Make sure you are connected to RS-232 and from there you have to assign new ''BOOTP'' IP address for the ethernet. Perform according to given process AND PRESS OK.
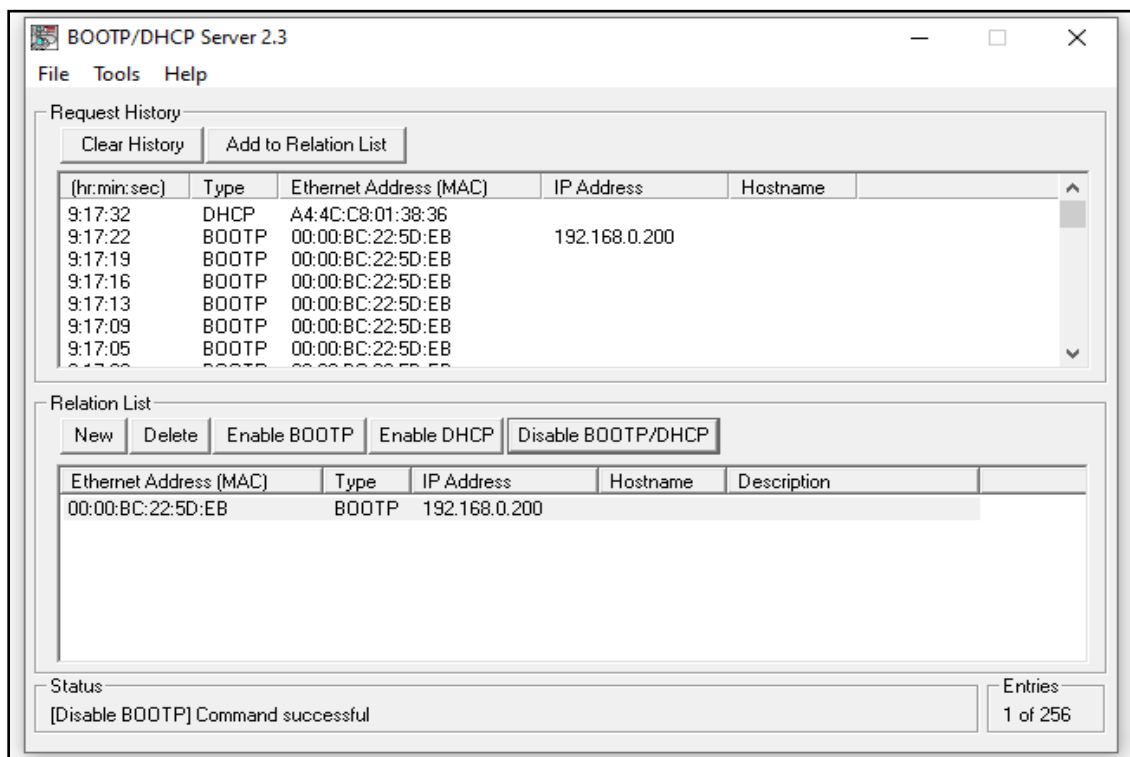
Compact Logix ''1769-L32E'' Packaged Controller

Open the BOOT/DHPC Server 2.3 and double click the MAC address and assign IP address and press ok.
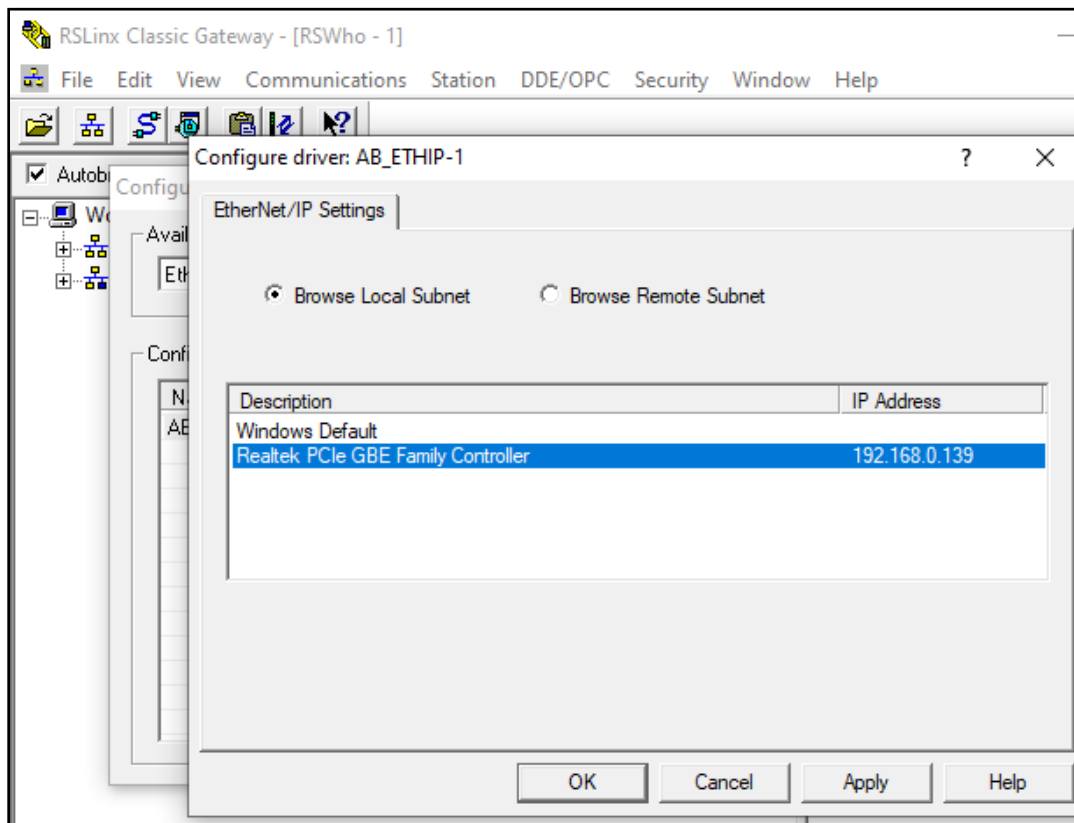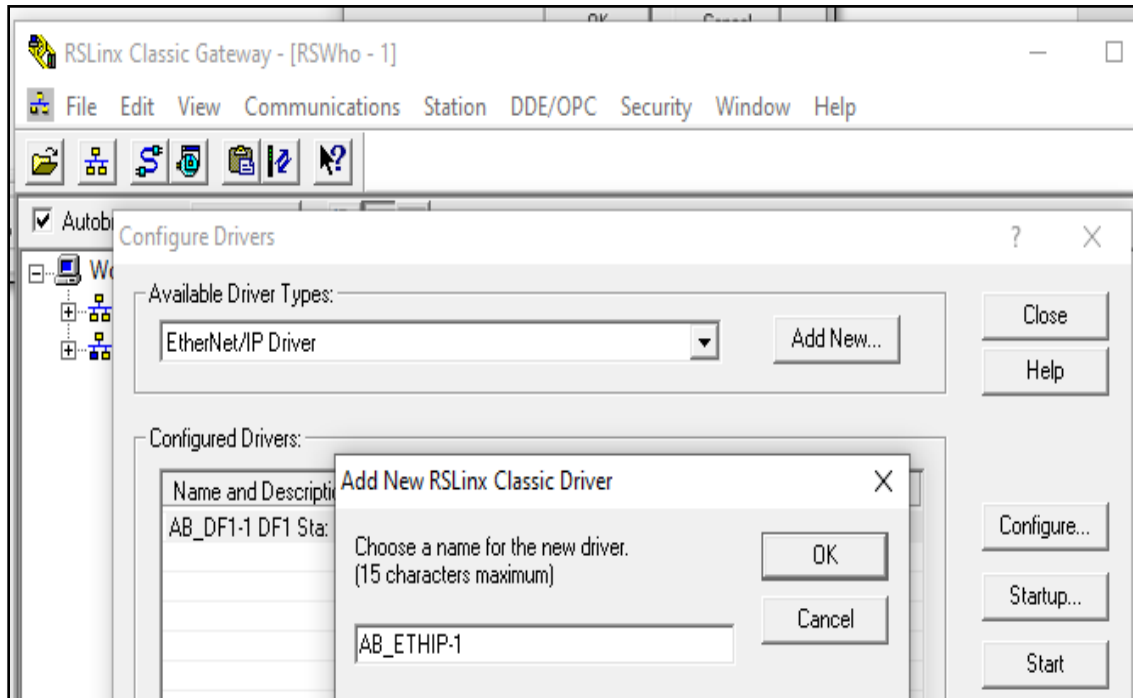

'In Relation List' you can see the new IP address linked with BootP where to make it static click ''Disable Boot/DHCP until it shows status Successful.
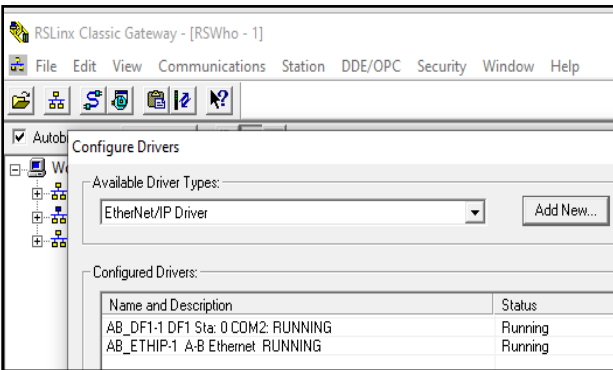
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Now, we have to assign independent ethernet Driver to avoid RS-232 & its Ethernet link. Select and add Ethernet IP Driver and follow the steps & press ok.

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You can see the A-B Ethernet Driver is running where the IP address 192.168.0.200 resides and ''ping the IP address to confirm it is working.
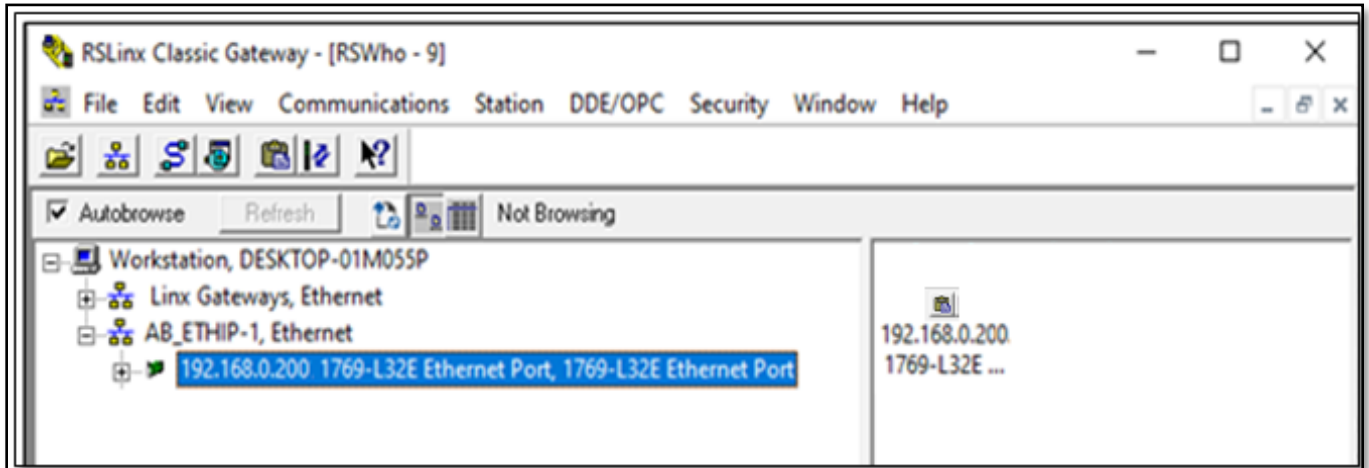

RS-232 Connection not required if you are controlling with ethernet address. The following figure shows ''192.168.0.200'' IP address for ''1769-L32-E'' Compact Logix PLC.

Now you can open the RS-Logix 5000 and program it.

Thanks.