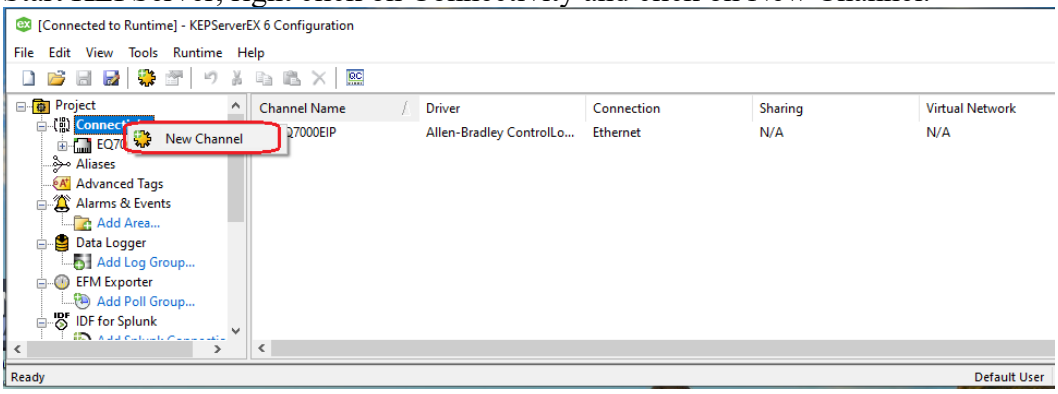
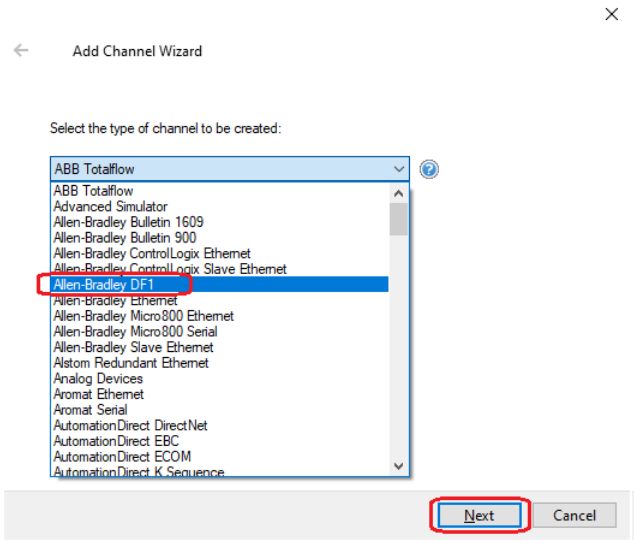
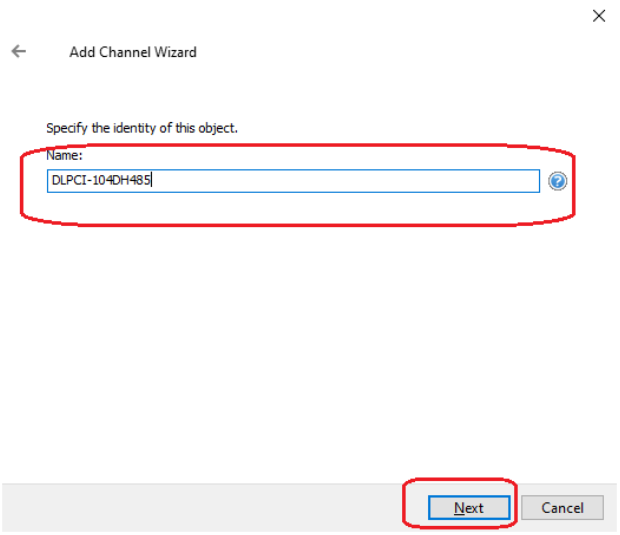
KEPServer accessing data from Allen Bradley SLC503 and Micrologix on DH485 network with Equustek DLPCI/104 DH485 card

Start KEPServer, right click on Connectivity and click on New Channel.

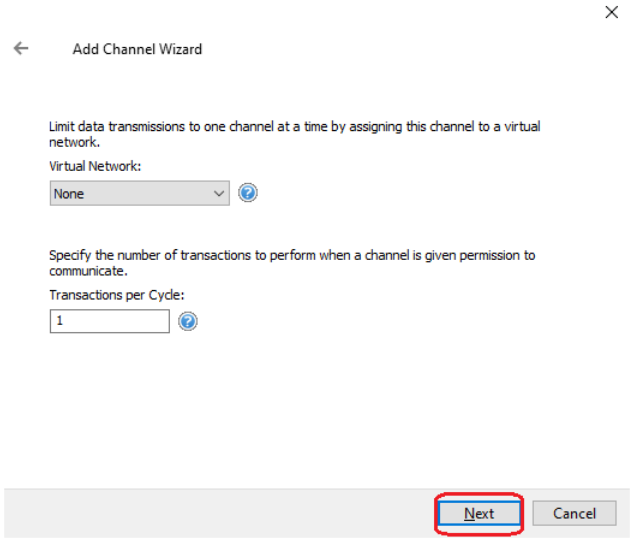


From Channel type drop menu, select Allen-Bradley DF1, click on Next, then specify the identity of the object and click on Next

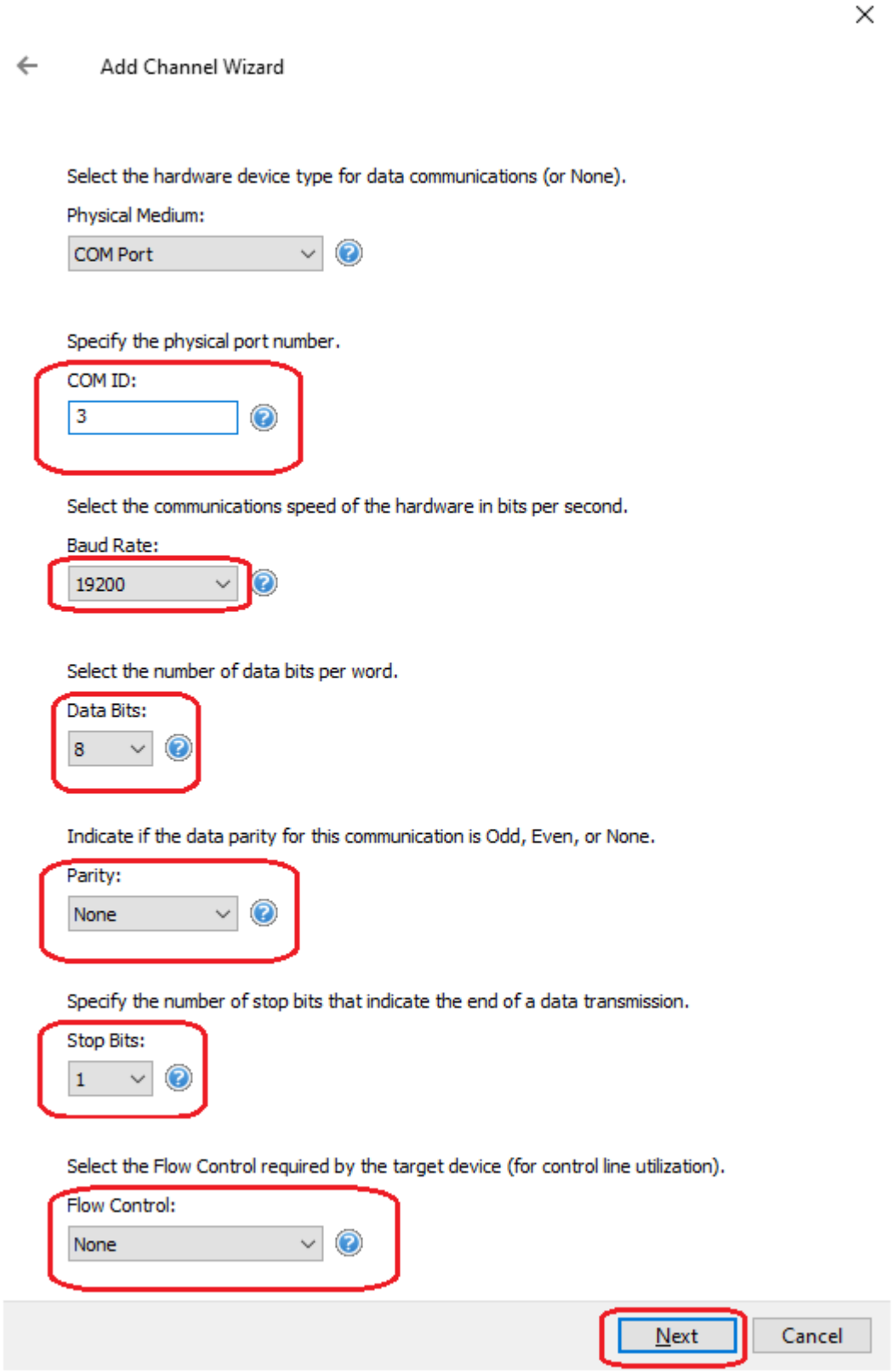




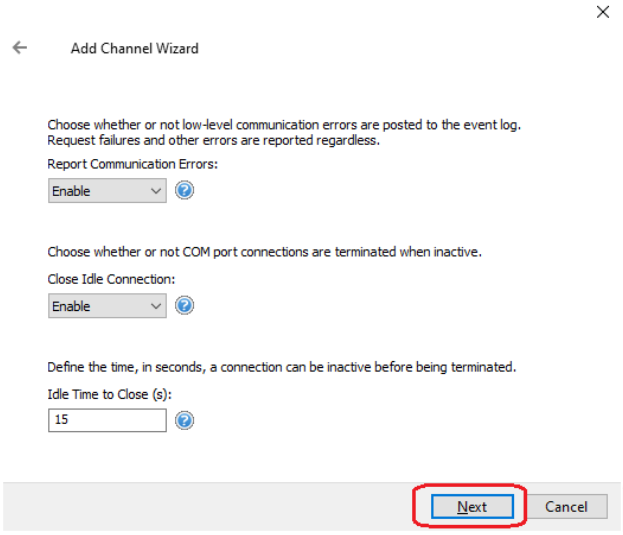
Click on Next

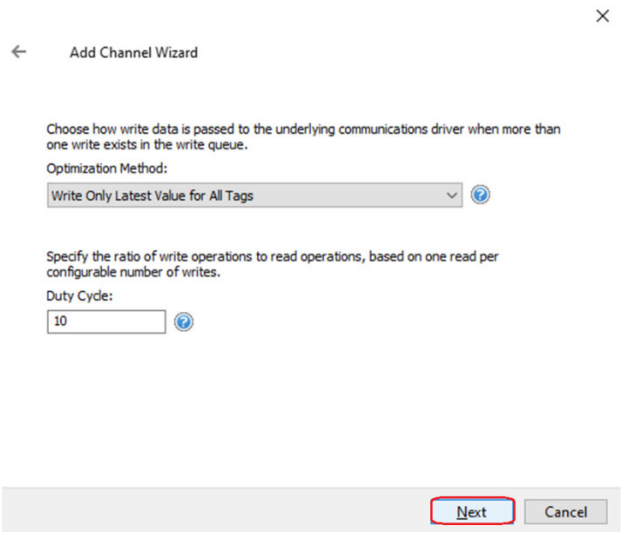


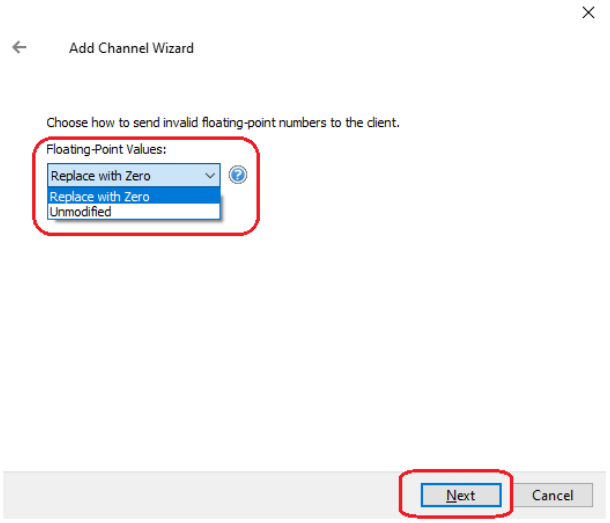
Set comport occupied by the DLPCI/104 found in Device Manager as COM ID, also set the DF1 serial setting similar to those that the DLPCI/104 was configured for, then click on Next.



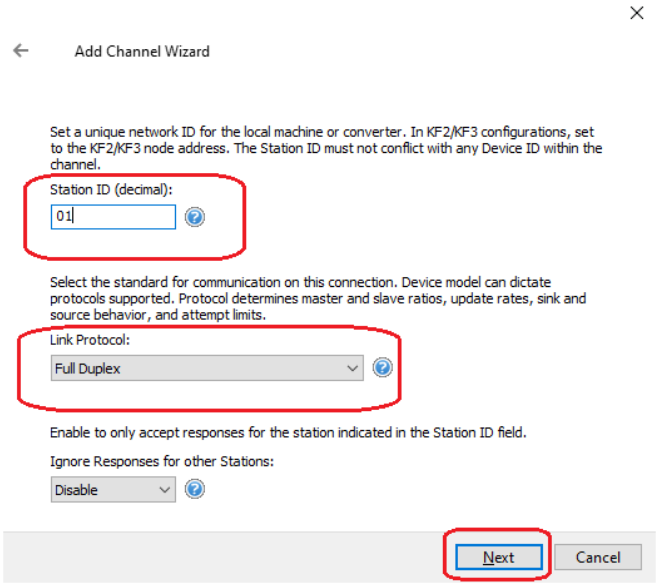
Continue with the rest of the channel setting



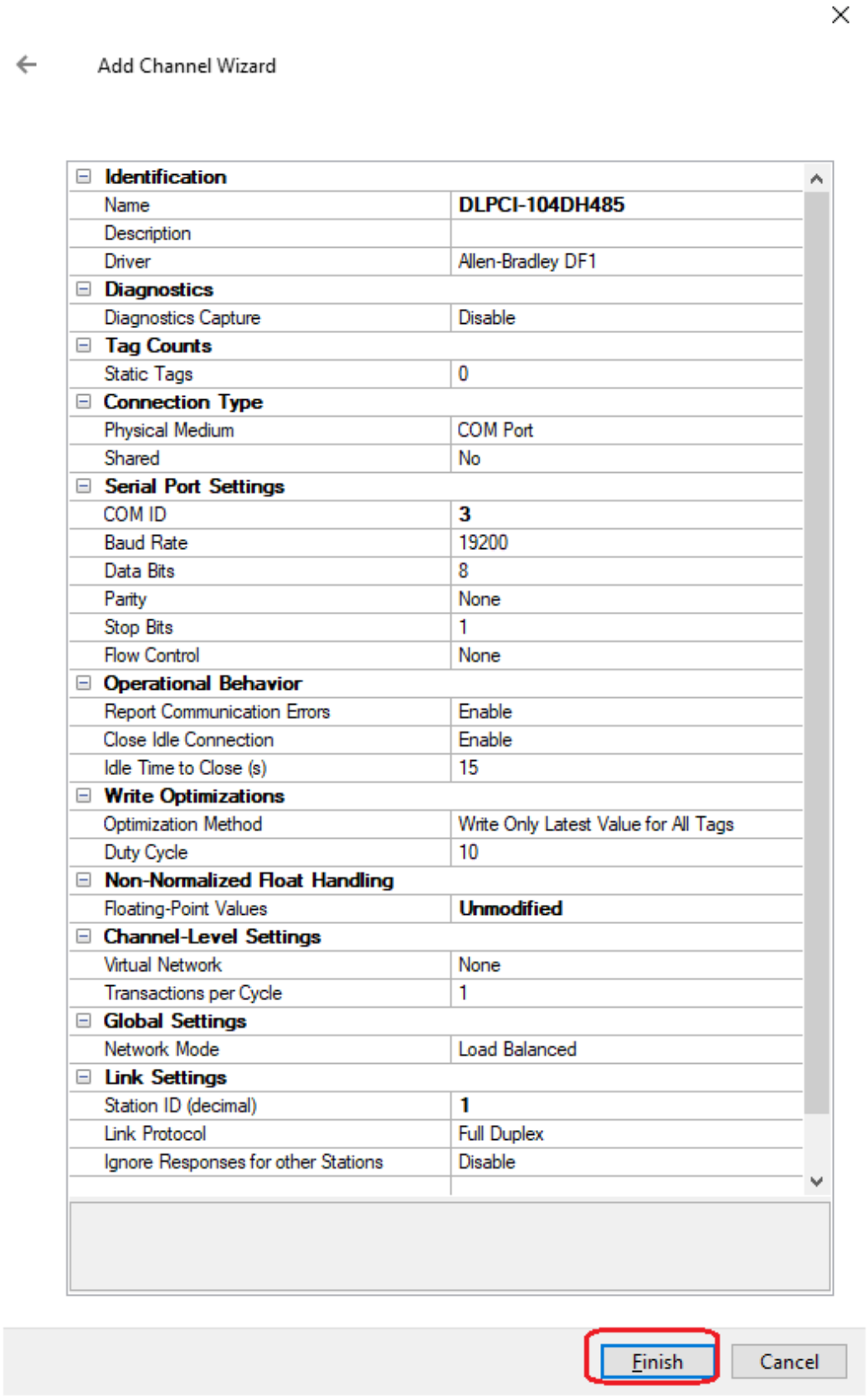




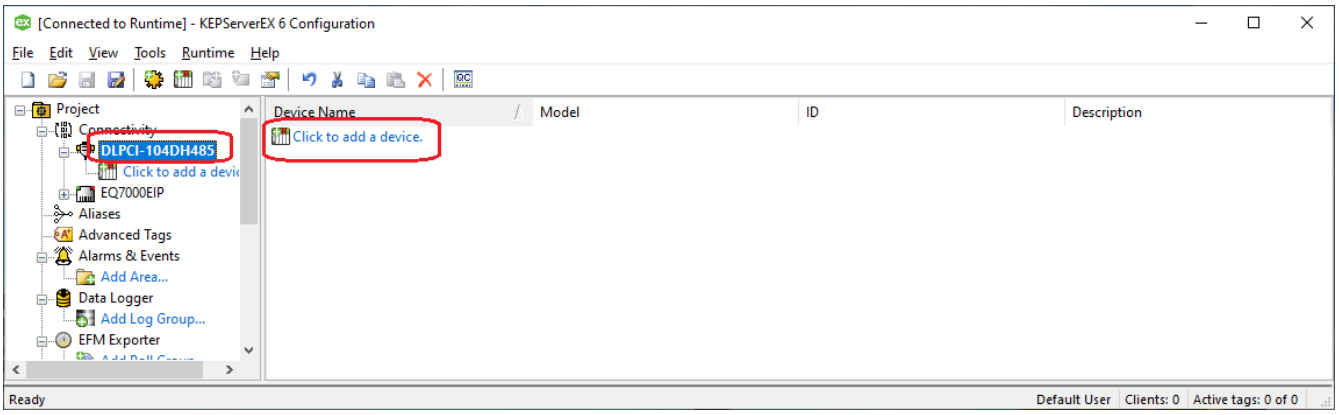
Set the Station ID same to the node address number of the DLPCI/104 & click on Next.



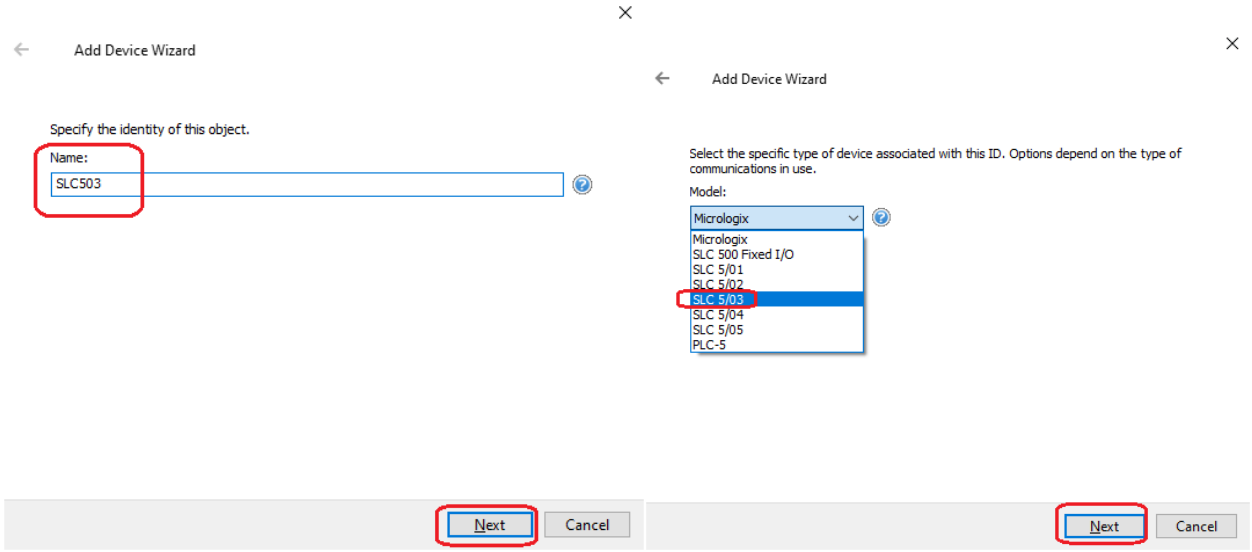
Click on Finish to complete the Channel settings



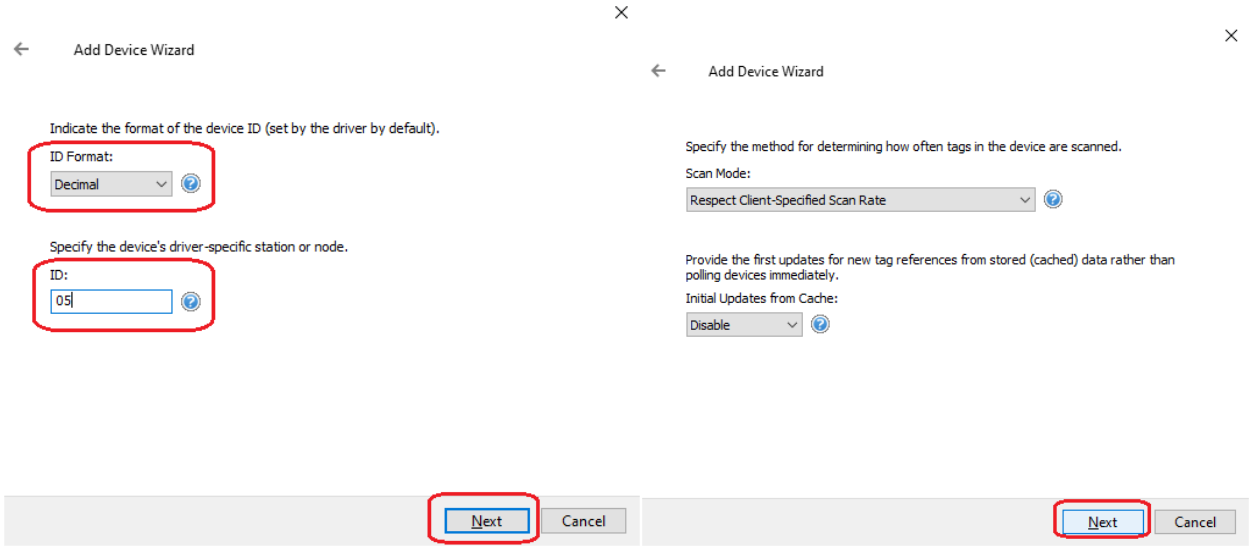
In DLPCI-104DH485 channel click on Click to add a device.



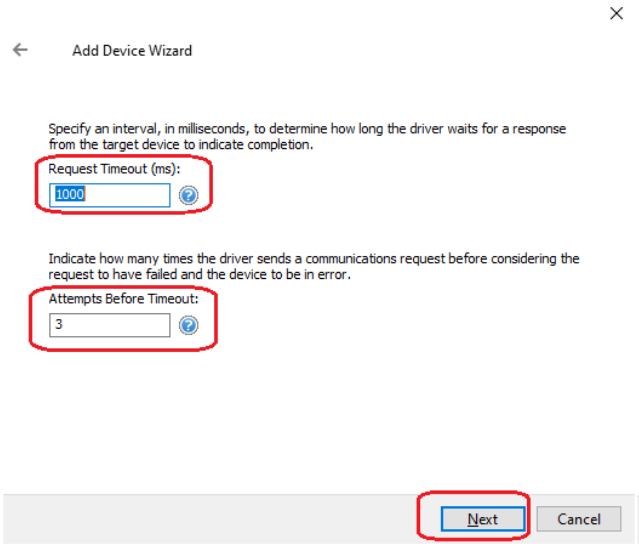
Type a name of the device, here we have the SLC5/03, then click on Next.

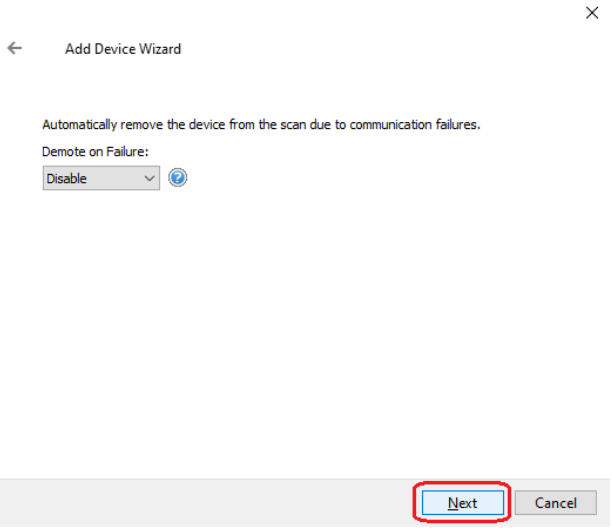


Enter the node address number of the SLC503 here is in our setup is set to node 5.

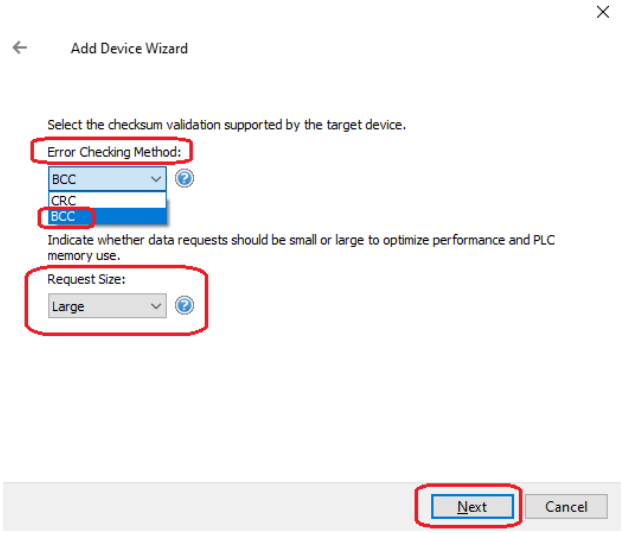


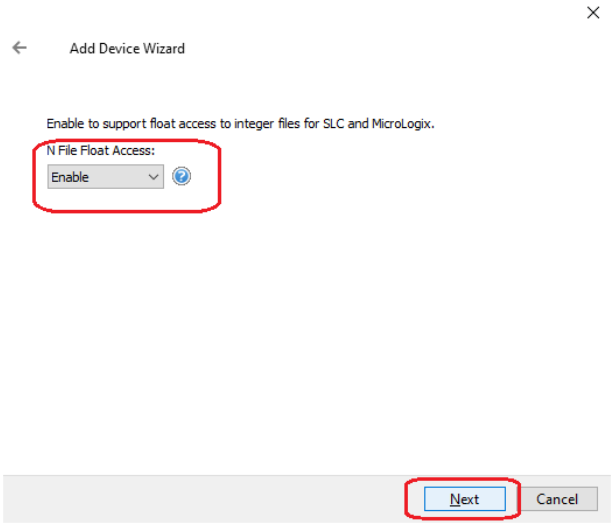
Continue with the rest of the settings.



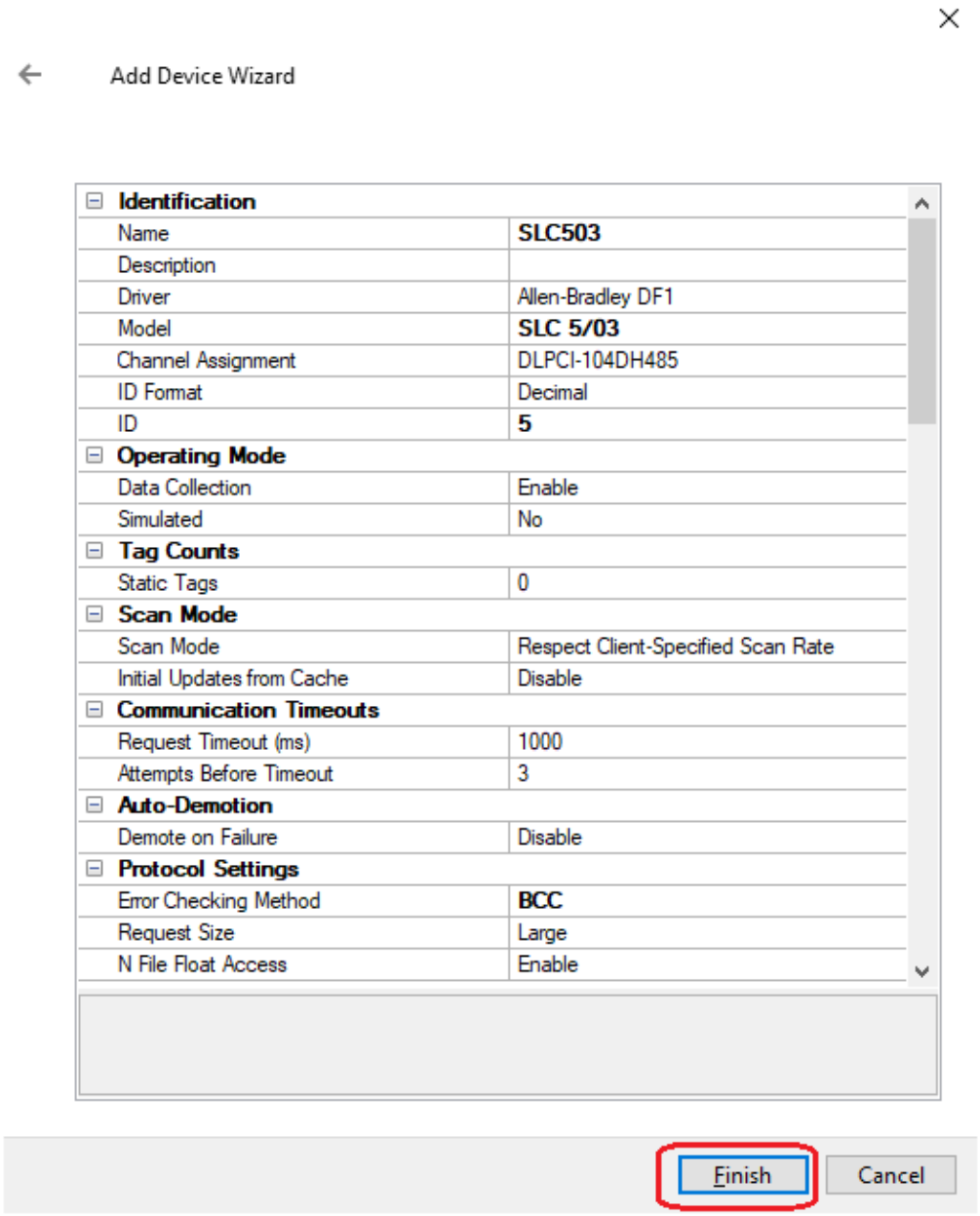


Make sure Error Checking is same as the DLPCI/104 is set for when it was configured.

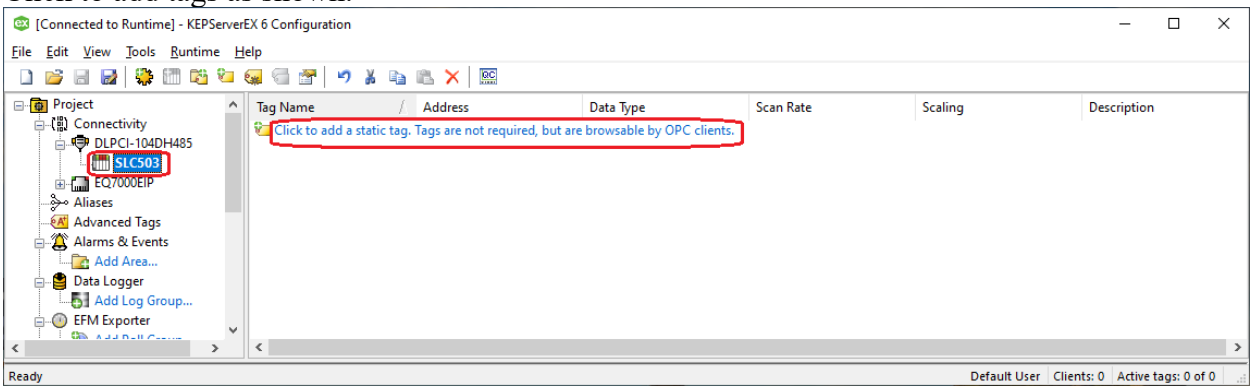




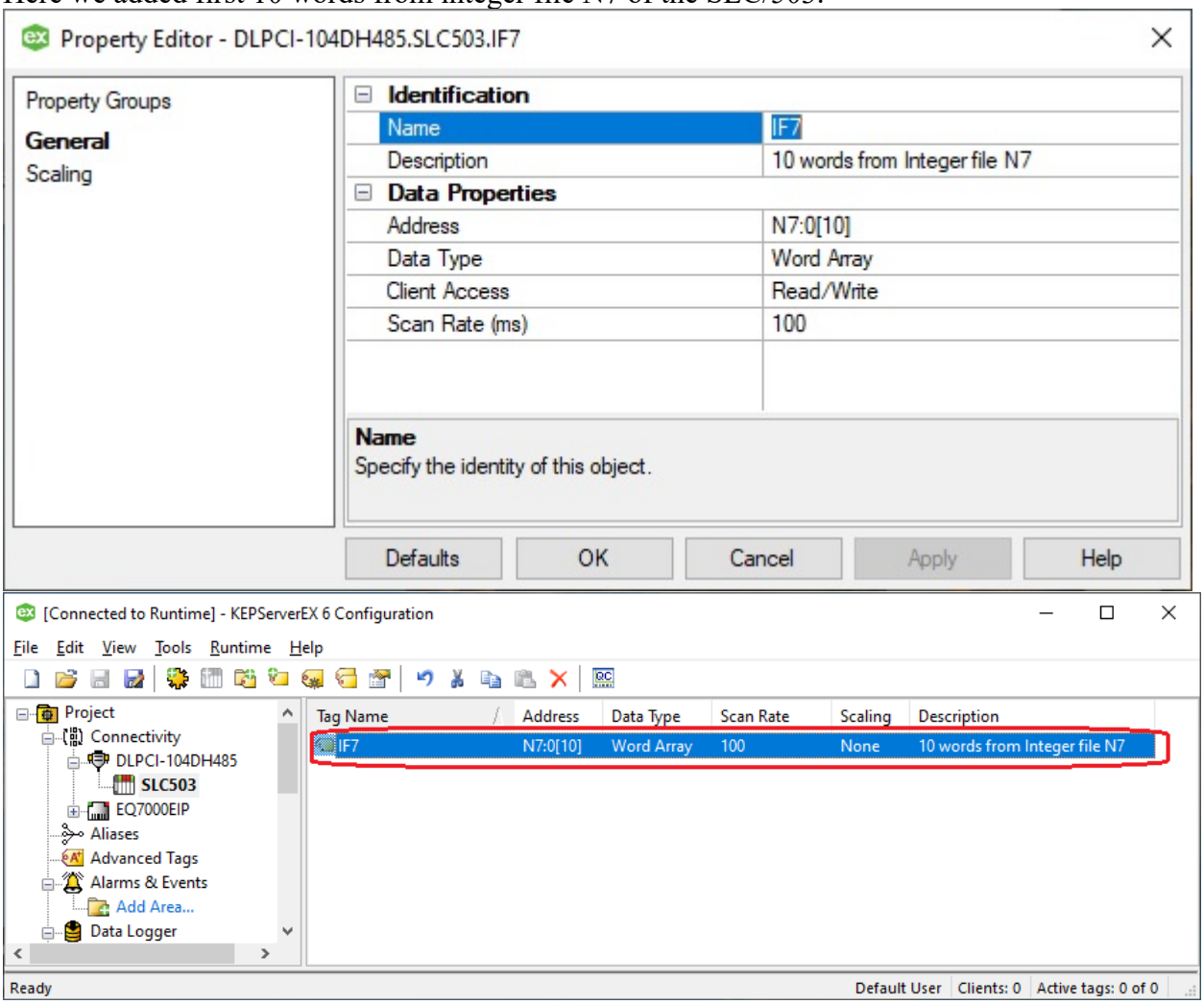
Once done with SLC503 settings click on Finish.



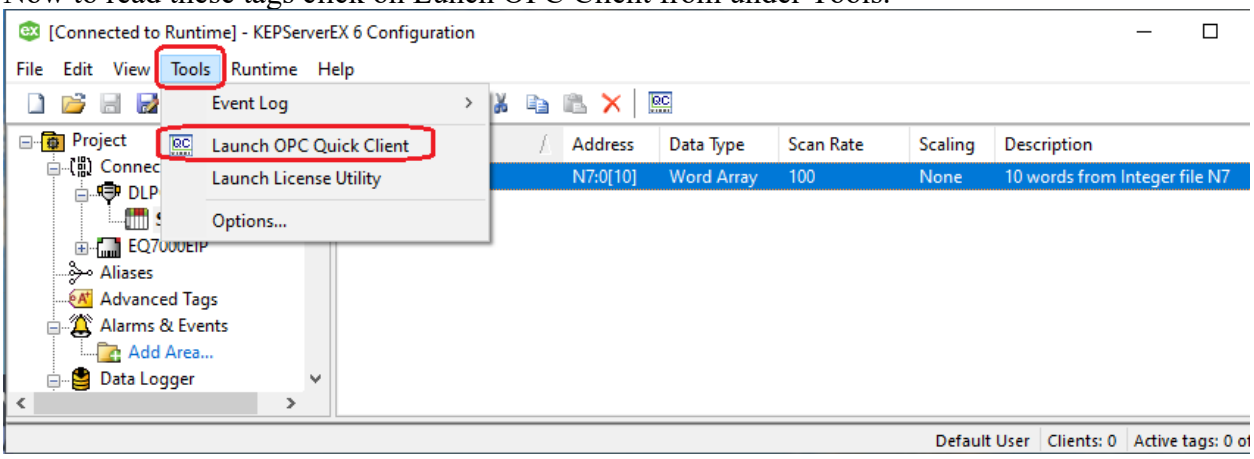
Click to add tags as shown.

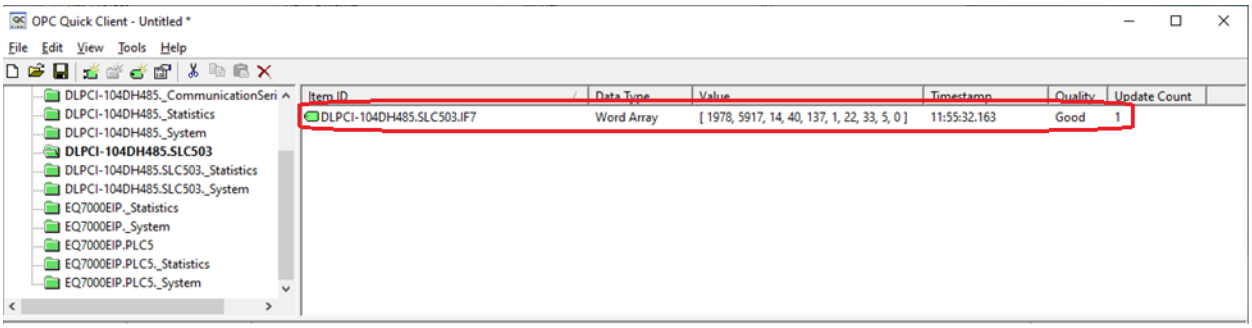


Here we added first 10 words from integer file N7 of the SLC/503.

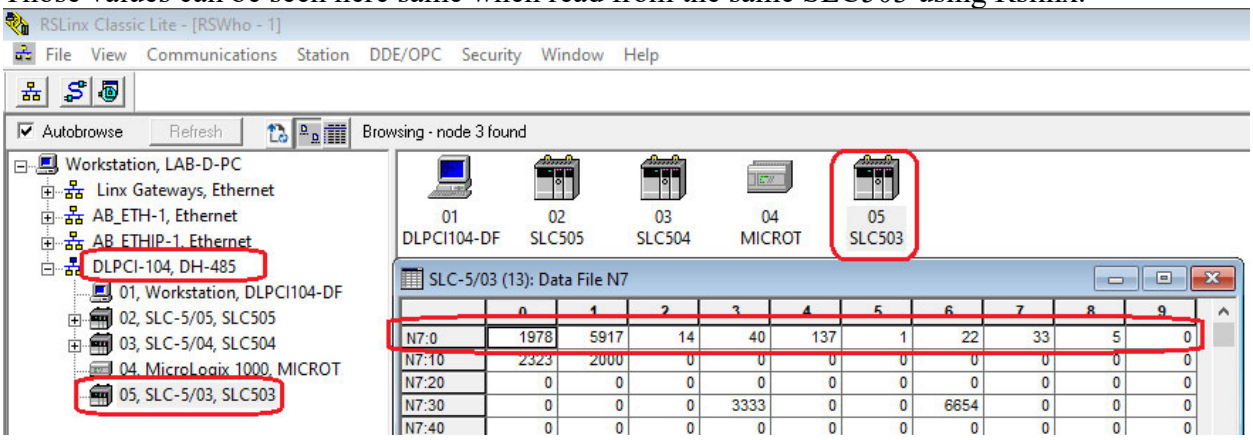


Now to read these tags click on Lunch OPC Client from under Tools.

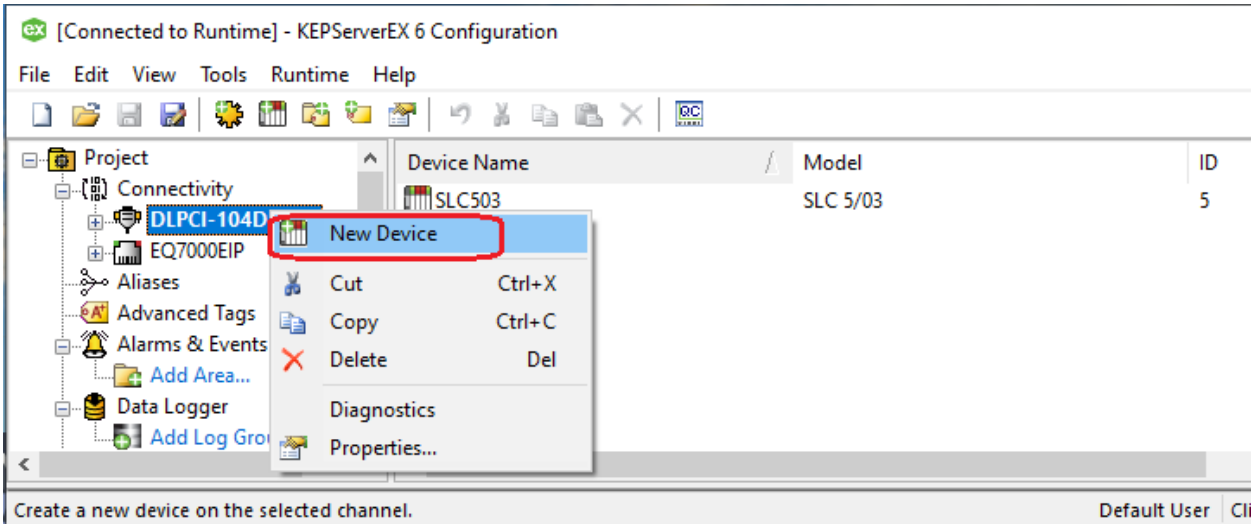


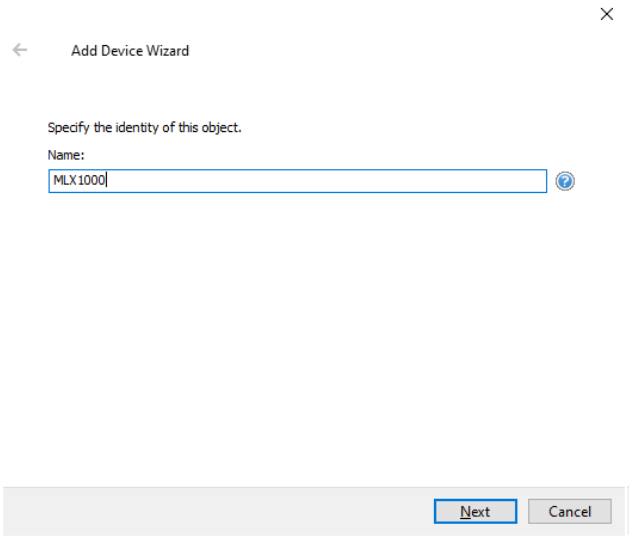


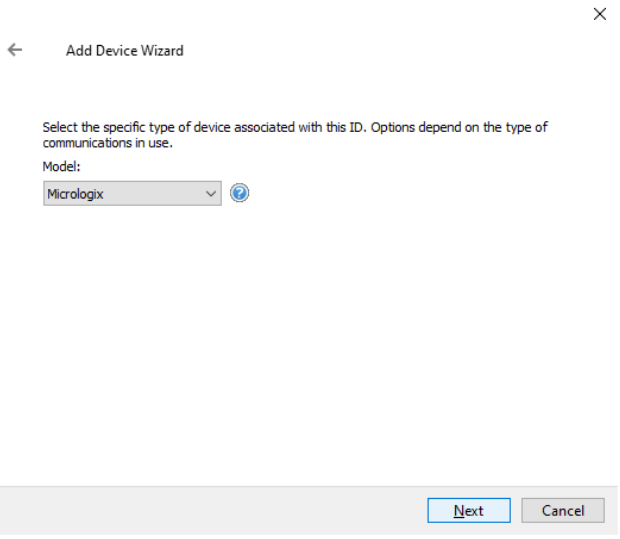
Those values can be seen here same when read from the same SLC503 using Rslinx.

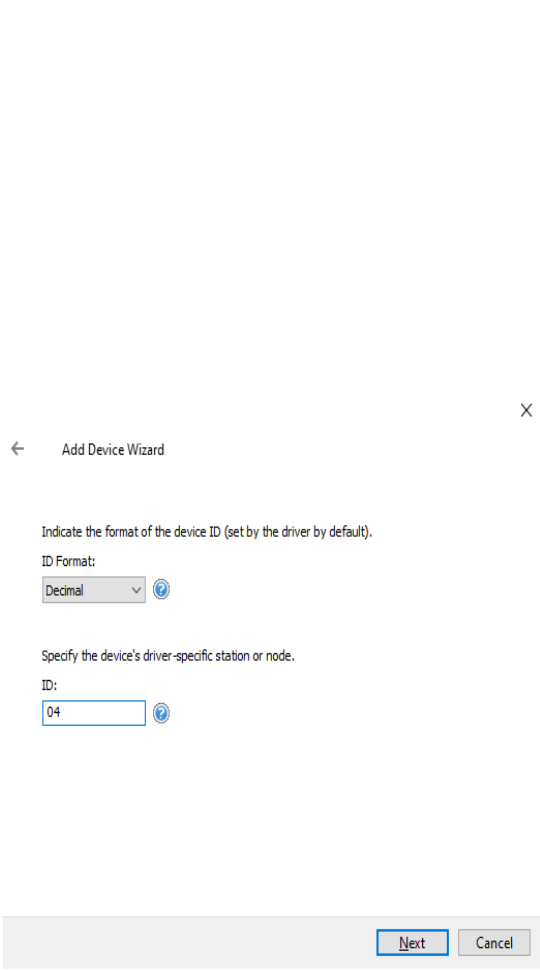


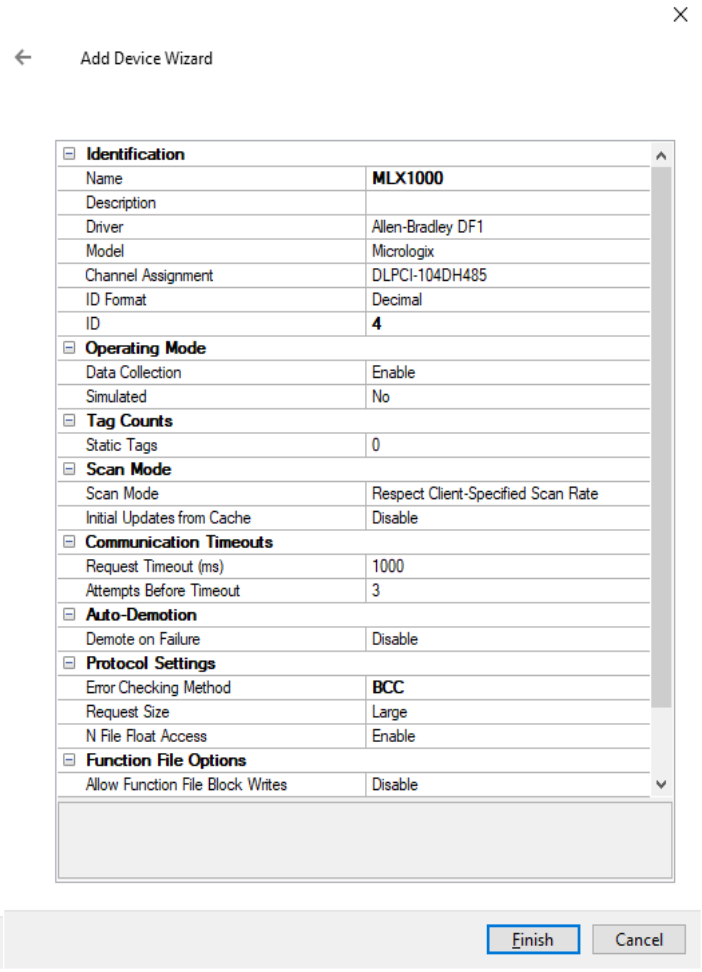
In similar steps we can add an other device here we added AB Micrologix 1000 which is on the same DH485 network.



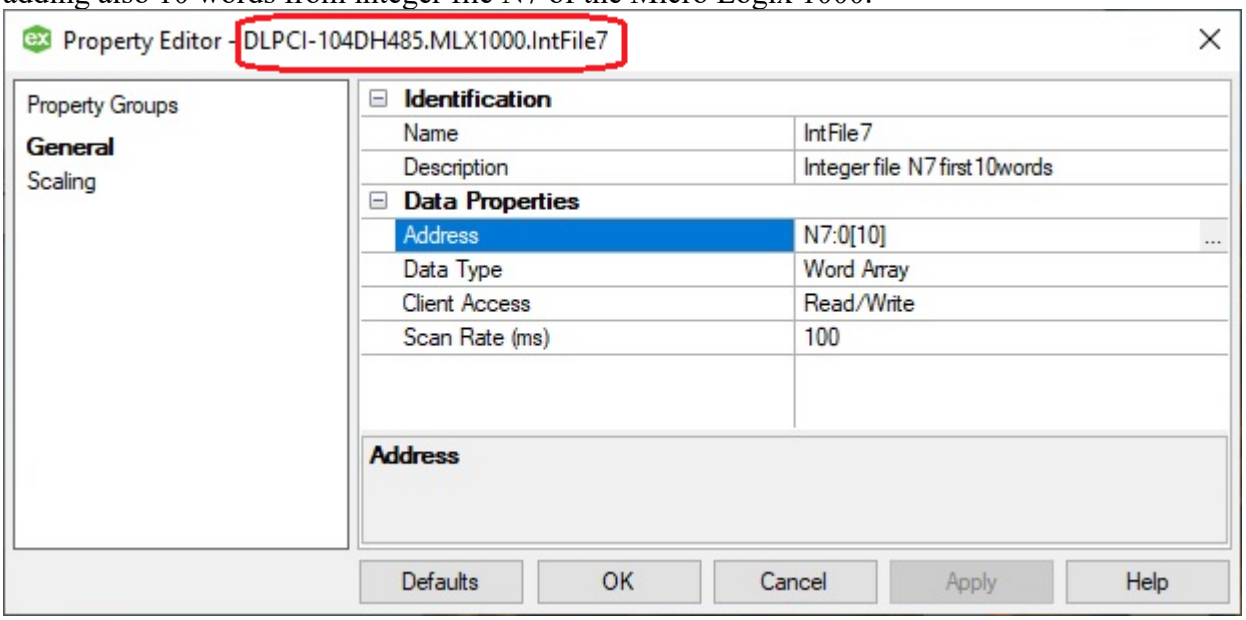

Add Device Wizard
Specify the identity of this object.
Name:
MLX1000
Next
Cancel


Add Device Wizard
Select the specific type of device associated with this ID. Options depend on the type of communications in use.
Model:
Micrologix
Next
Cancel

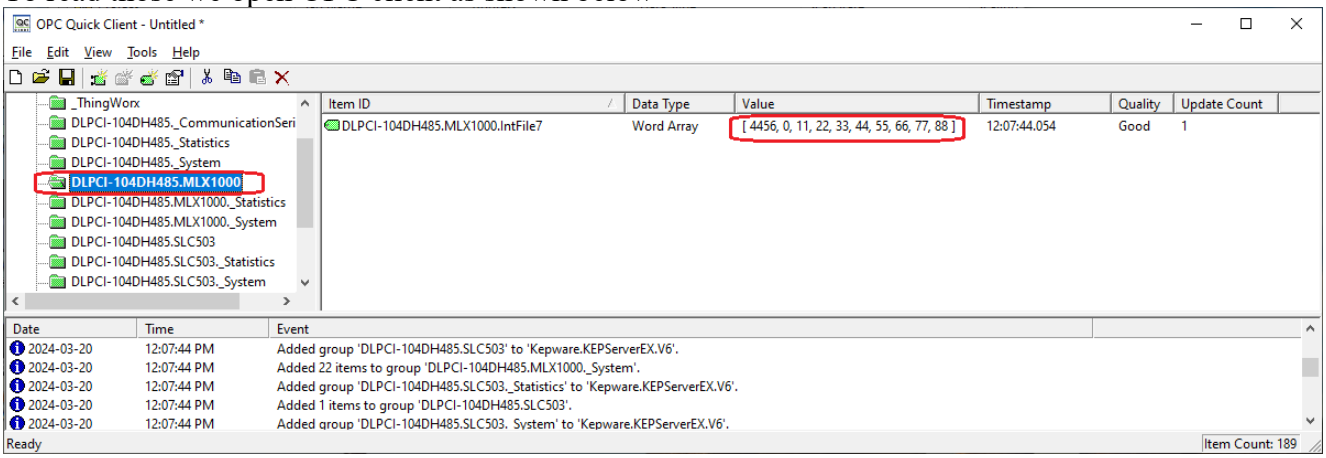

Add Device Wizard
Indicate the format of the device ID (set by the driver by default).
ID Format:
Decimal
Specify the device's driver-specific station or node.
ID:
04
Next
Cancel


Add Device Wizard
Identification
Name MLX1000
Description
Driver Allen-Bradley DF1
Model Micrologix
Channel Assignment DLPCI-104DH485
ID Format Decimal
ID 4
Operating Mode
Data Collection Enable
Simulated No
Tag Counts
Static Tags 0
Scan Mode
Scan Mode Respect Client-Specified Scan Rate
Initial Updates from Cache Disable
Communication Timeouts
Request Timeout (ms) 1000
Attempts Before Timeout 3
Auto-Demotion
Demote on Failure Disable
Protocol Settings
Error Checking Method BCC
Request Size Large
N File Float Access Enable
Function File Options
Allow Function File Block Writes Disable
Finish
Cancel

adding also 10 words from integer file N7 of the Micro Logix 1000.



To read those we open OPC client as shown below



Here can be shown that they are same values read in Allen Bradley Rslinx from Micrologix1000.