

Application Note

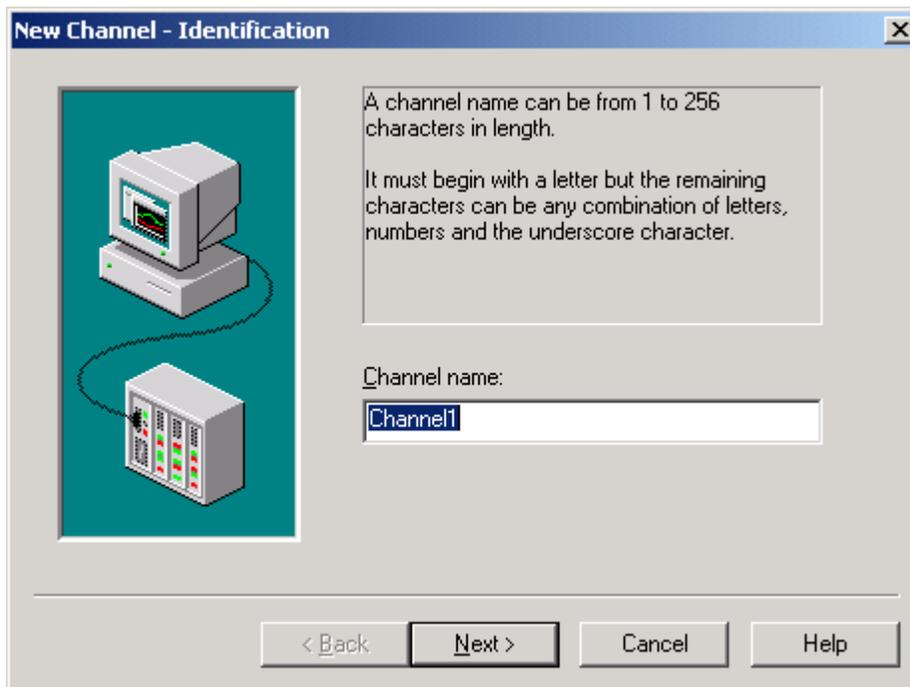
Using AN-X-DCSNet with the TOP OPC Server



This application note describes how to configure the TOP OPC server to access DCSNet data on the AN-X-DCSNet module.

Start the TOP server and use the following steps to configure it to access data on the AN-X-DCSNet.

1. Add a Channel and give it a name, then click *Next*>



2. For the *Device Driver*, select *ControlLogix Ethernet* and check the *Enable Diagnostics* checkbox. Click *Next*>

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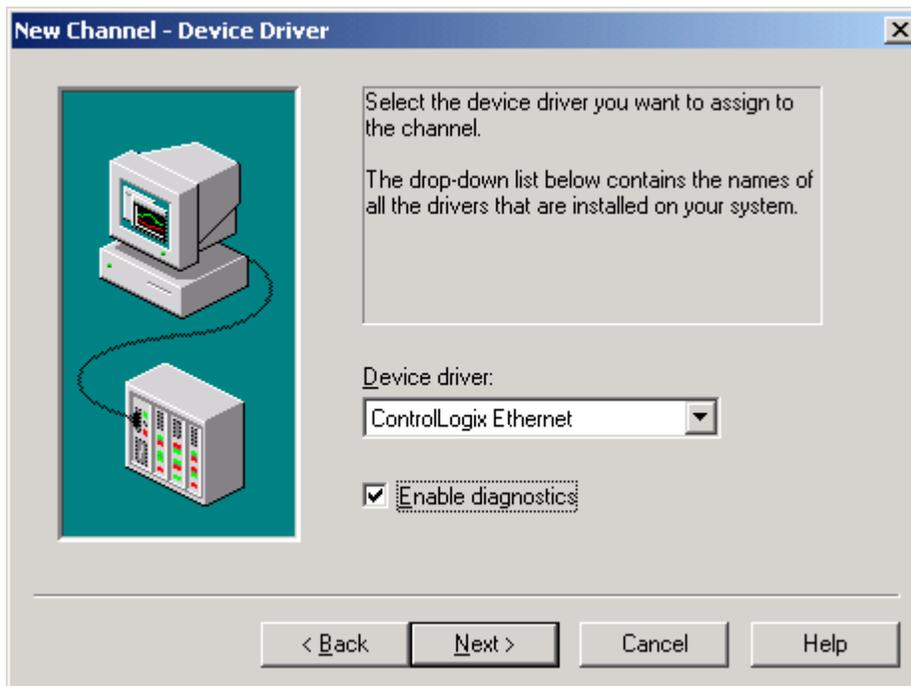
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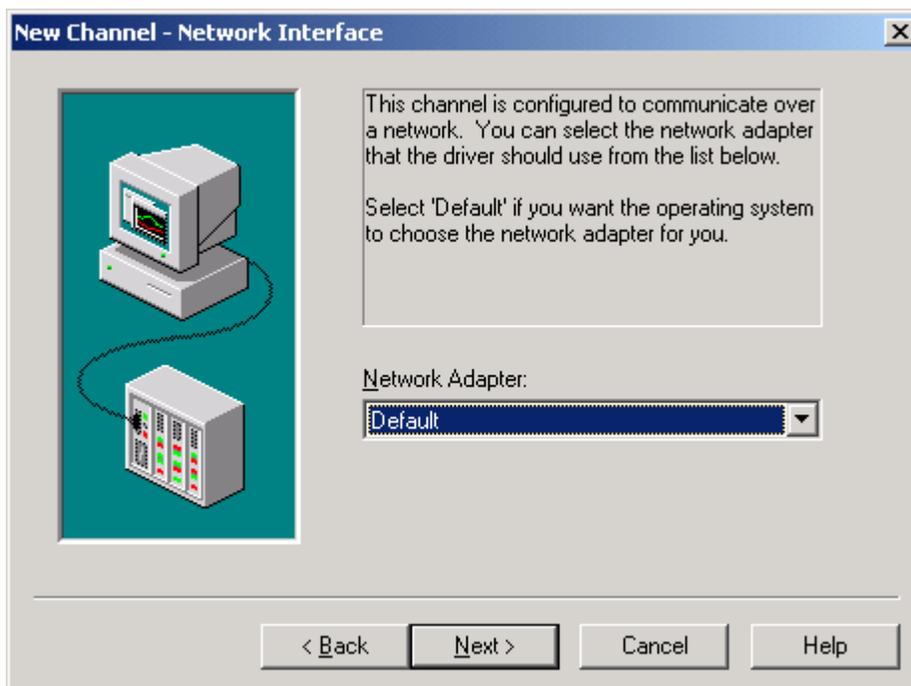
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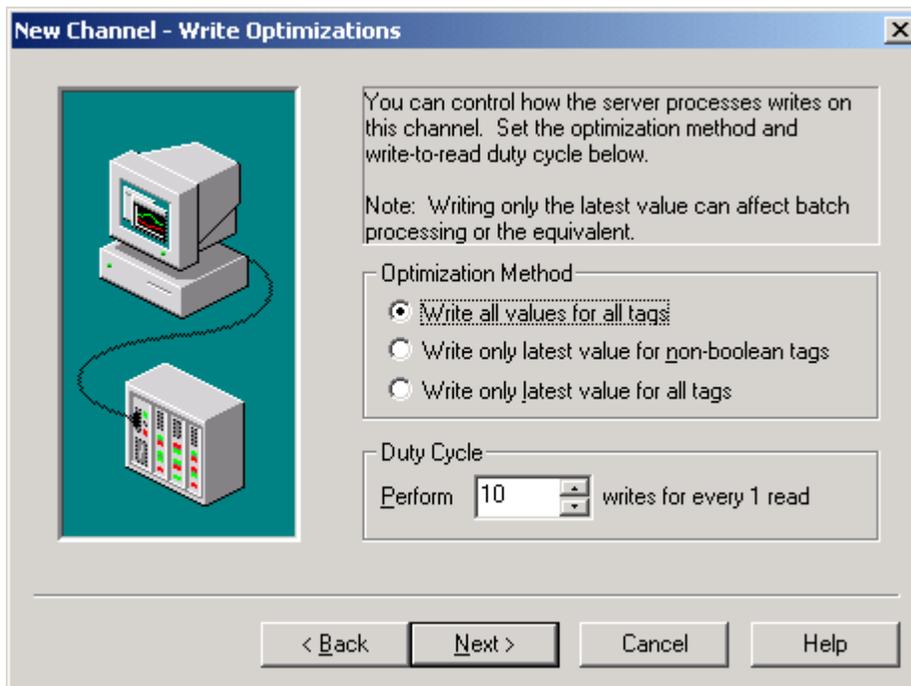


3. For the *Network Adapter*, leave it as *Default* if you have just one Ethernet adapter card in your computer. Otherwise, select the Ethernet adapter that is connected to the network that contains the AN-X. Click *Next>*

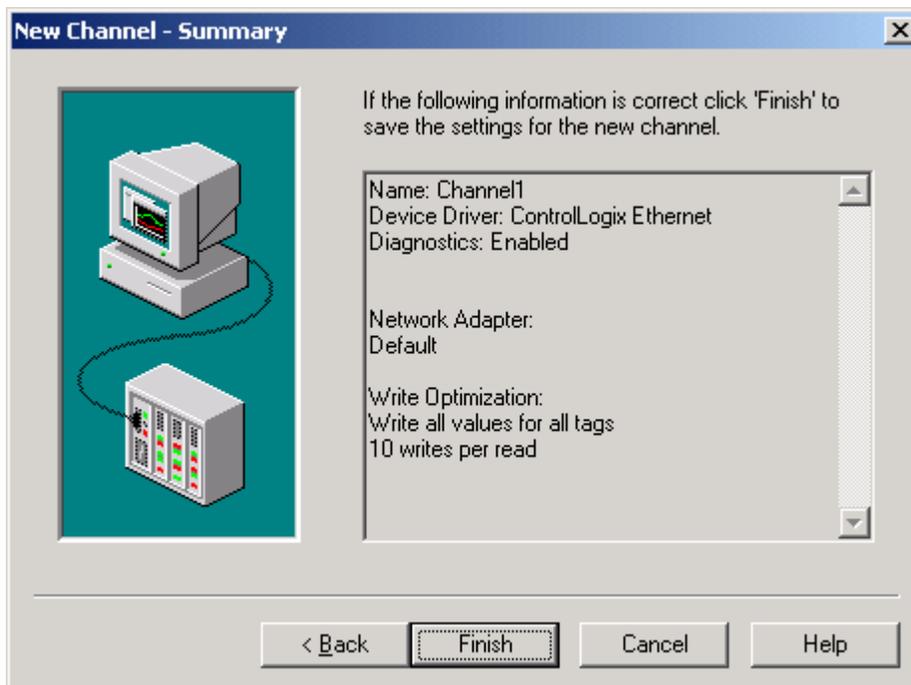


4. Choose the *Write Optimizations* and *Duty Cycle* to suit your application. Refer for the server documentation for details. You can leave them at the default values for an initial setup. Click *Next>*

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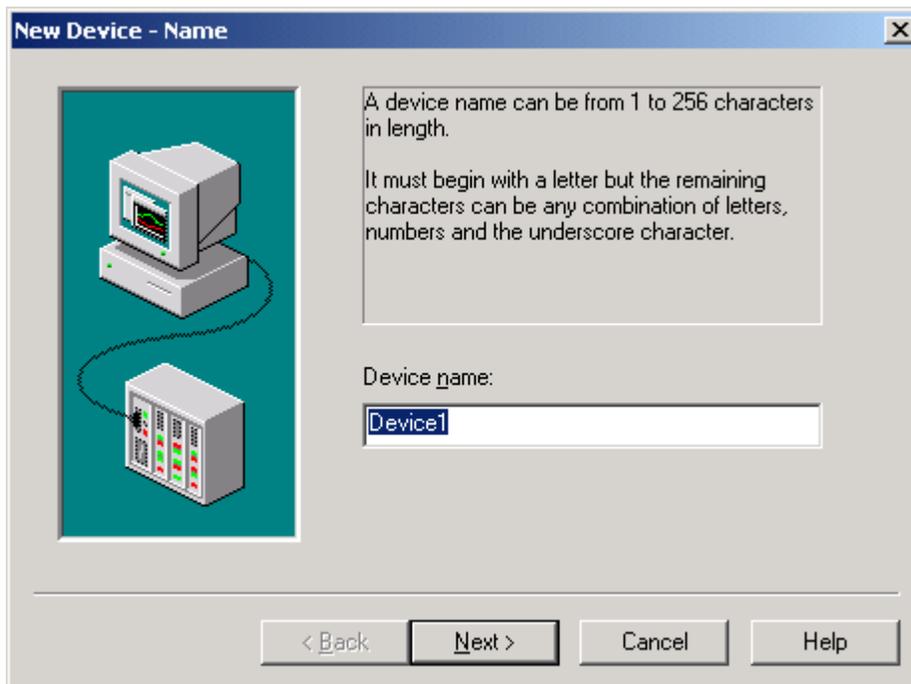


5. Click *Finish* to accept the settings.

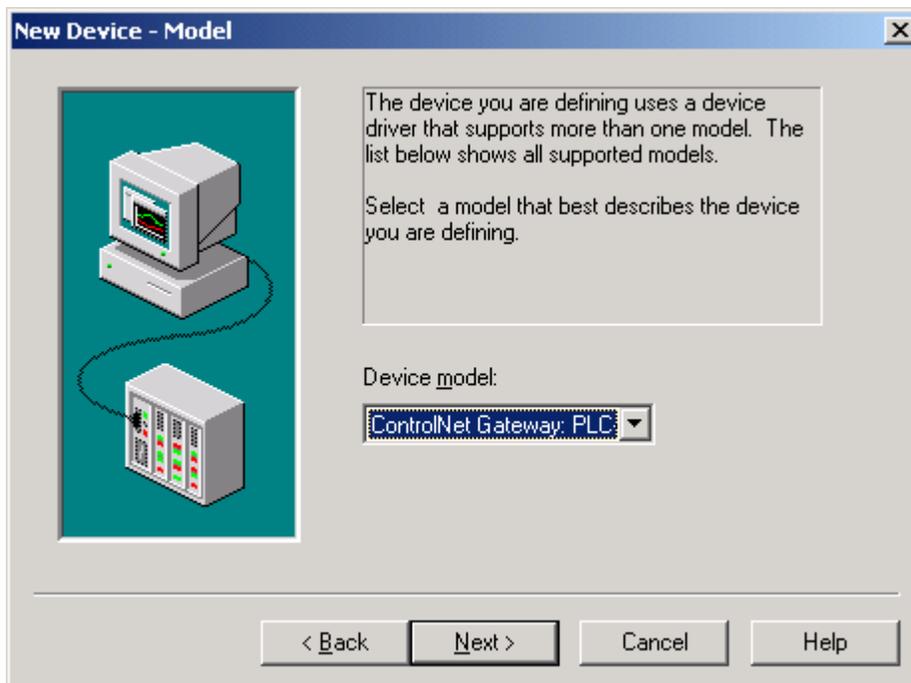


6. Add a Device. Give it a *Name*, then click *Next>*

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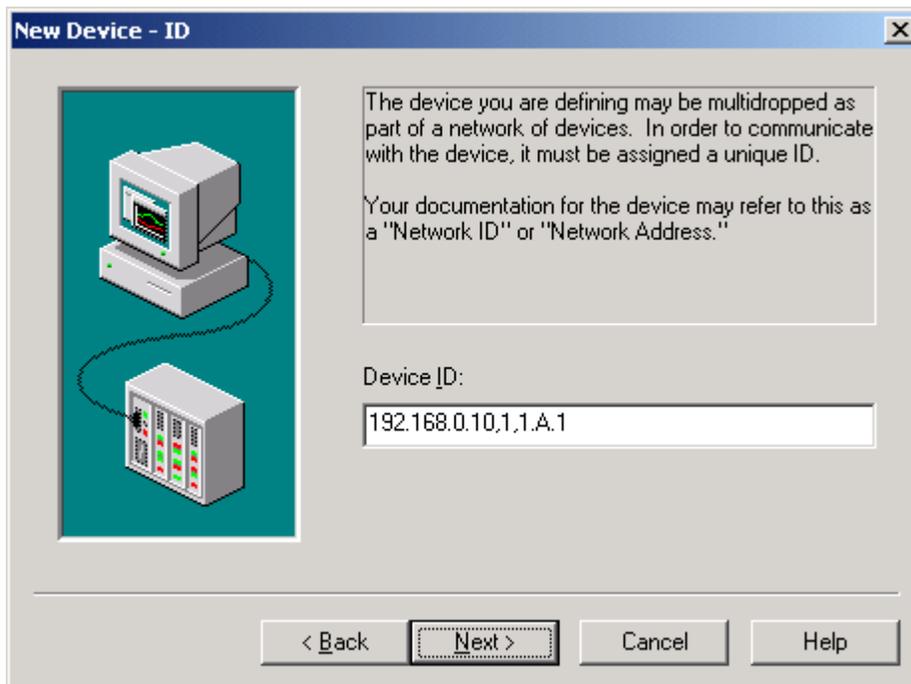


7. For the *Device Model*, select *ControlNet Gateway: PLC-5*. Click *Next*>



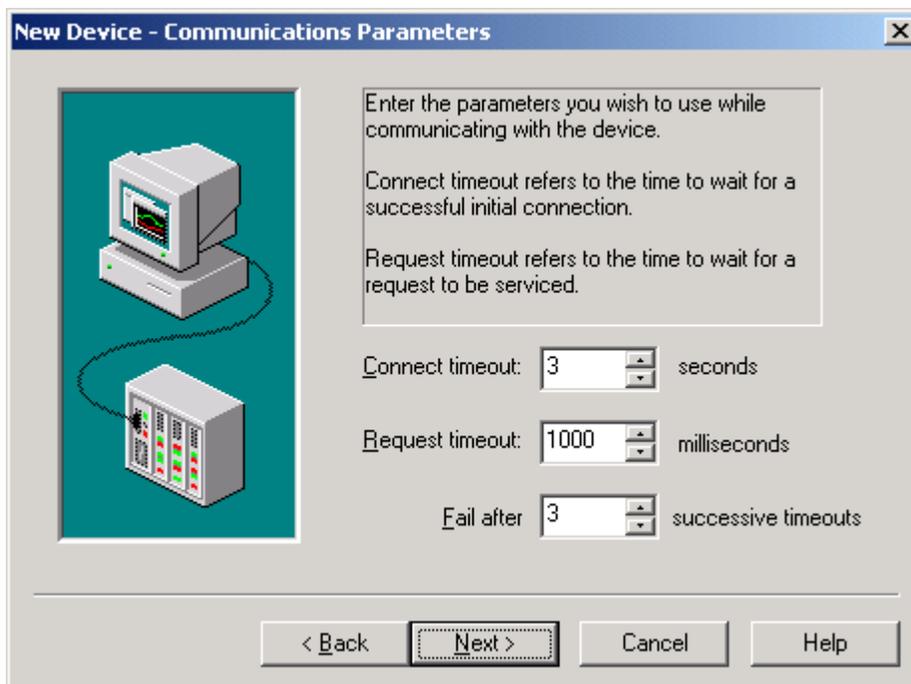
8. For the *Device ID*, enter the AN-X-DCSNet IP address, followed by “,1,1.A.1”, for example,

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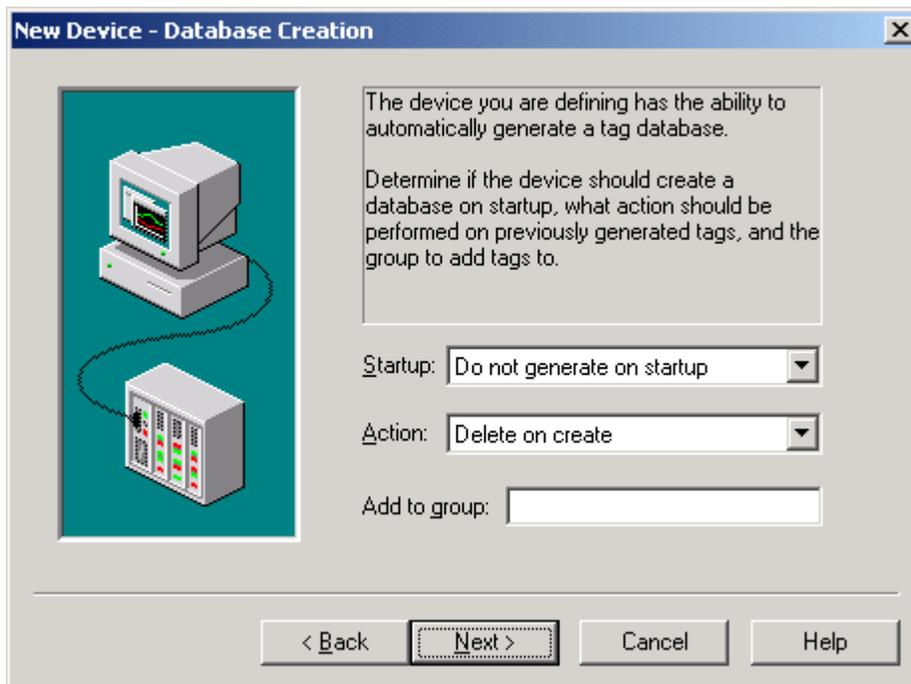
9. Click *Next*>

10. Choose the *Communication Parameters*. Refer to the server documentation. For an initial configuration, leave the values at their defaults. Click *Next*>

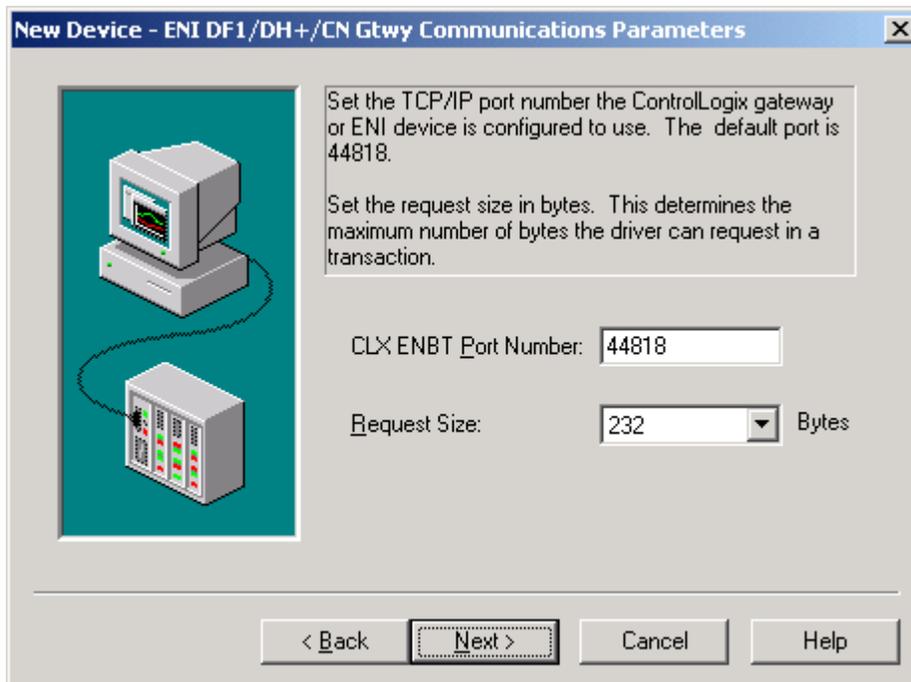


11. Enter the *Database Creation* options. Refer to the server documentation. Leave the default values for an initial setup. Click *Next*>

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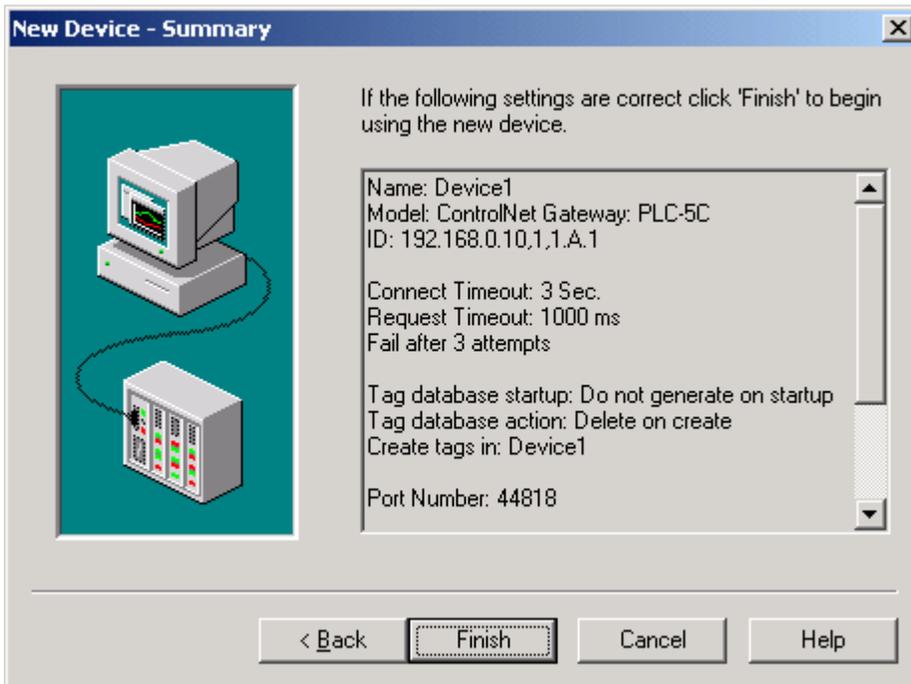


12. Set the *CN Gtwy Communication Parameters*. Refer to the server documentation. Leave the default values for an initial setup. Click *Next>*



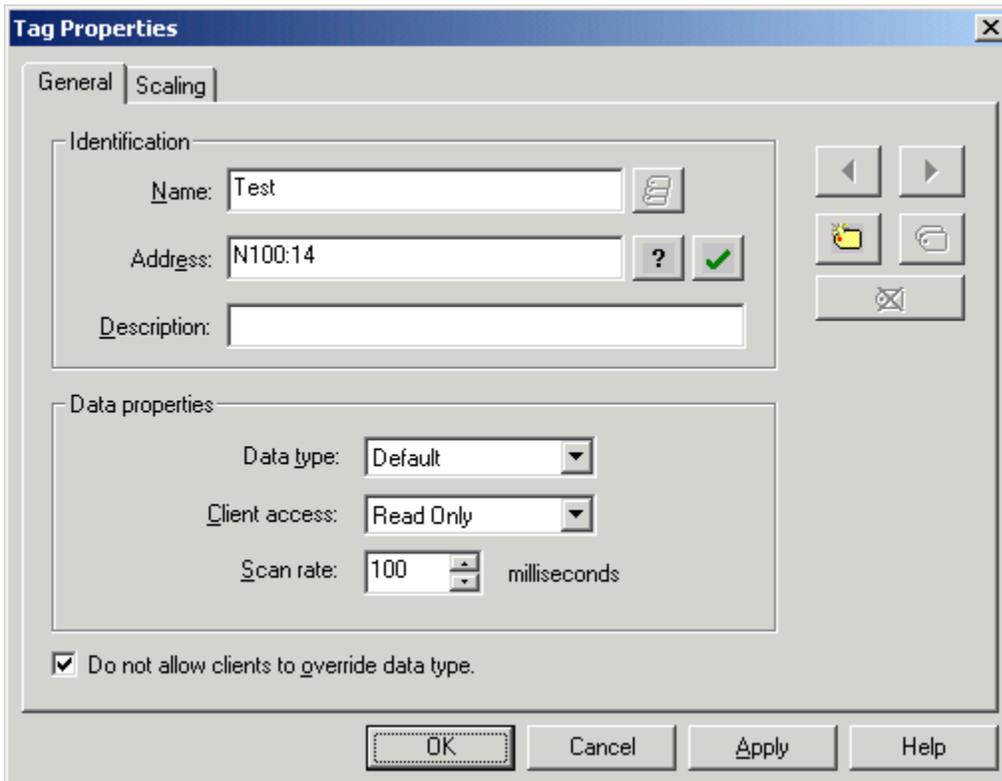
13. Click *Finish* to accept the settings

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14. Add a Tag.

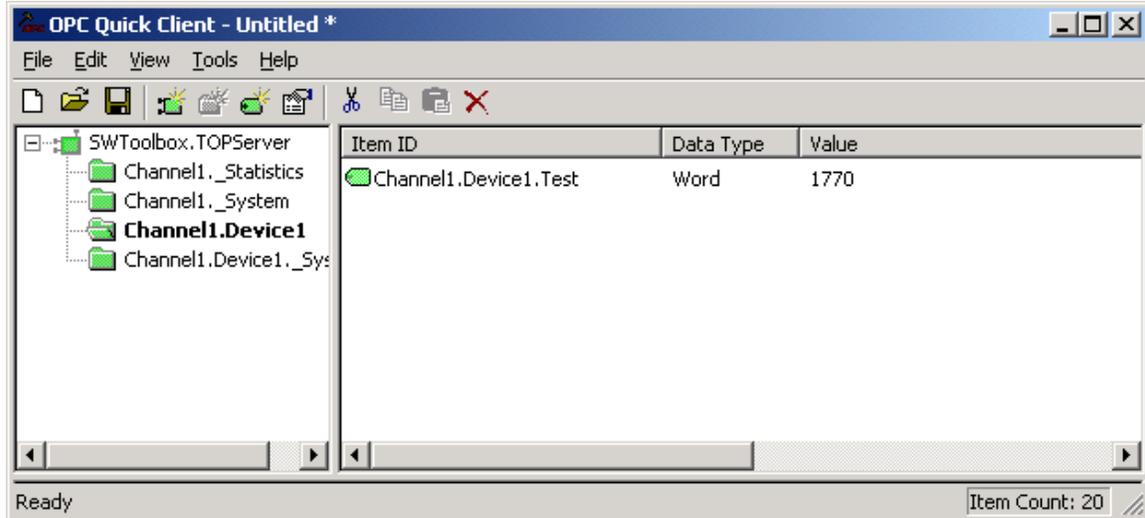
15. Give it a *Name* and a PLC-5 Address. N100:14 is the Messages Received counter on the AN-X and will be changing if the AN-X is communicating on a DCS network. Click OK to accept the tag definition.



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16. Select *Tools/Launch OPC Quick Client* to start the TOP test client.

Select the Channel and Device in the left pane and you should see the tag online with a changing value.



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