

# Application Note

## Using AN-X-DHP with the KEPware KEPServerEx OPC Server to Connect to a PLC-5



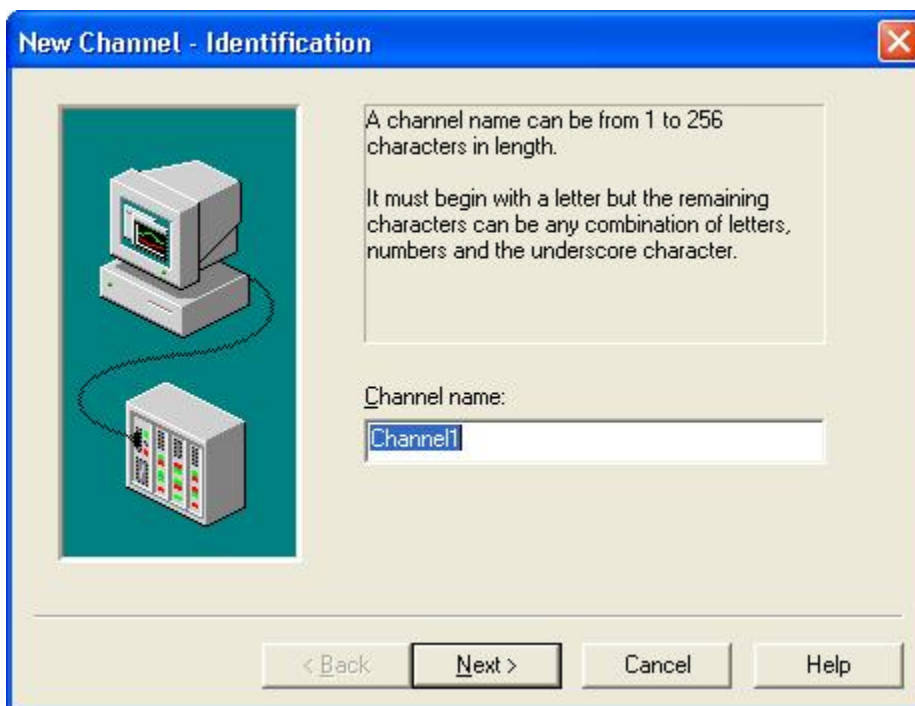
This application note describes how to configure the KEPware KEPServerEx OPC server to access data on a PLC-5 using the AN-X-DHP Data Highway Plus module.

The following instructions are intended to get the server communicating with AN-X. Refer to the OPC server documentation for detailed information about additional features of the server and about how best to use the specific server.

Before you begin, use the AN-X-DHP web interface to set the Data Highway Plus station address and baud rate and confirm that the module is online.

Start the KEPware KEPServerEx OPC server and create a new file. Use the following steps to configure it to access data on a PLC-5 using the AN-X-DHP.

1. Click to add a channel or select *Edit/New Channel...*



2. Give the channel a *Channel name* and click *Next*.

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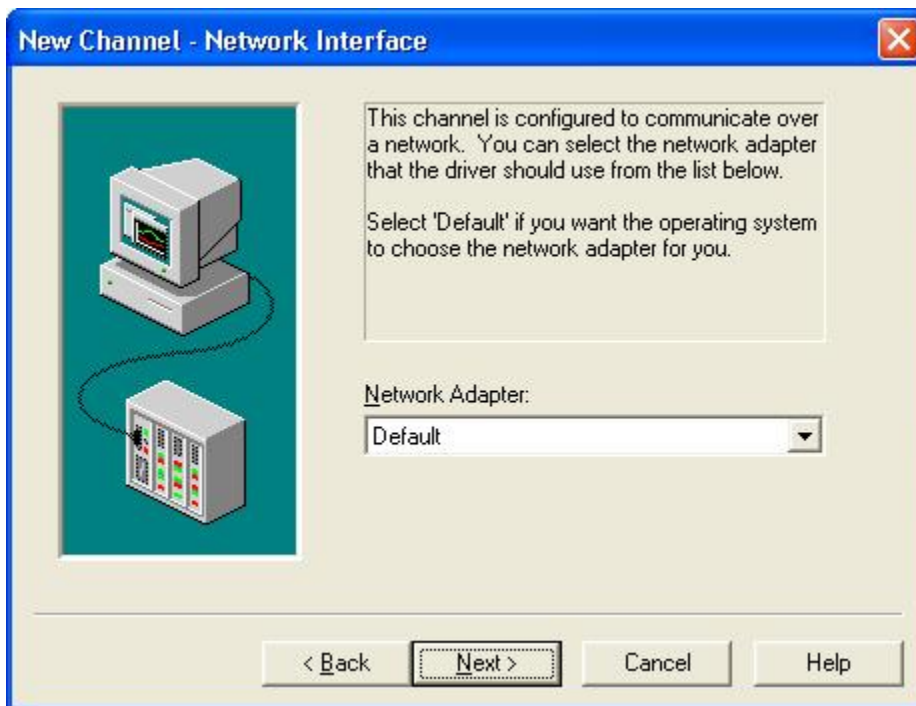
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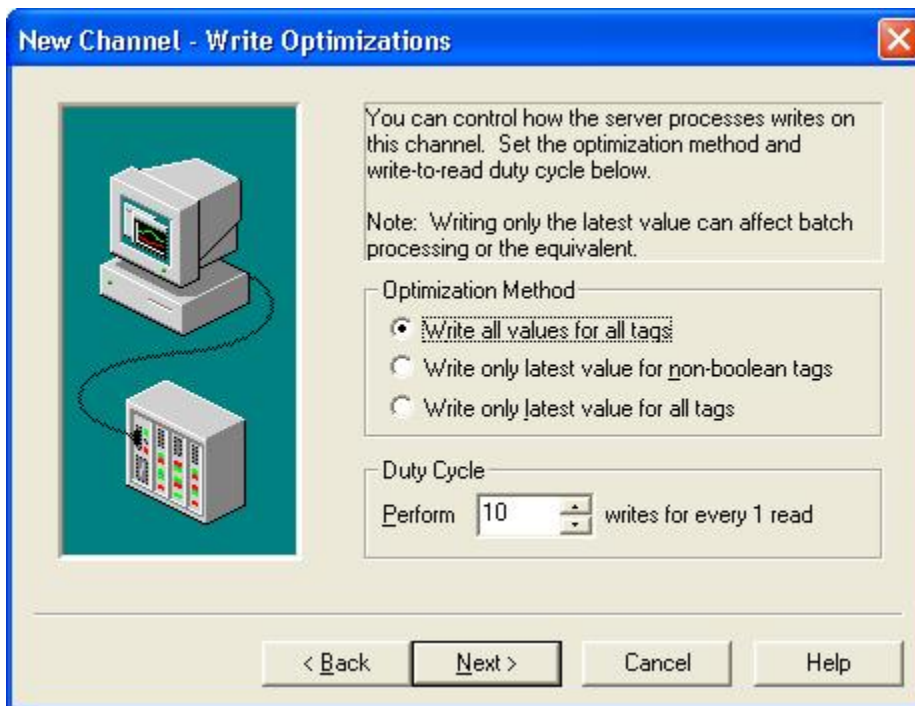




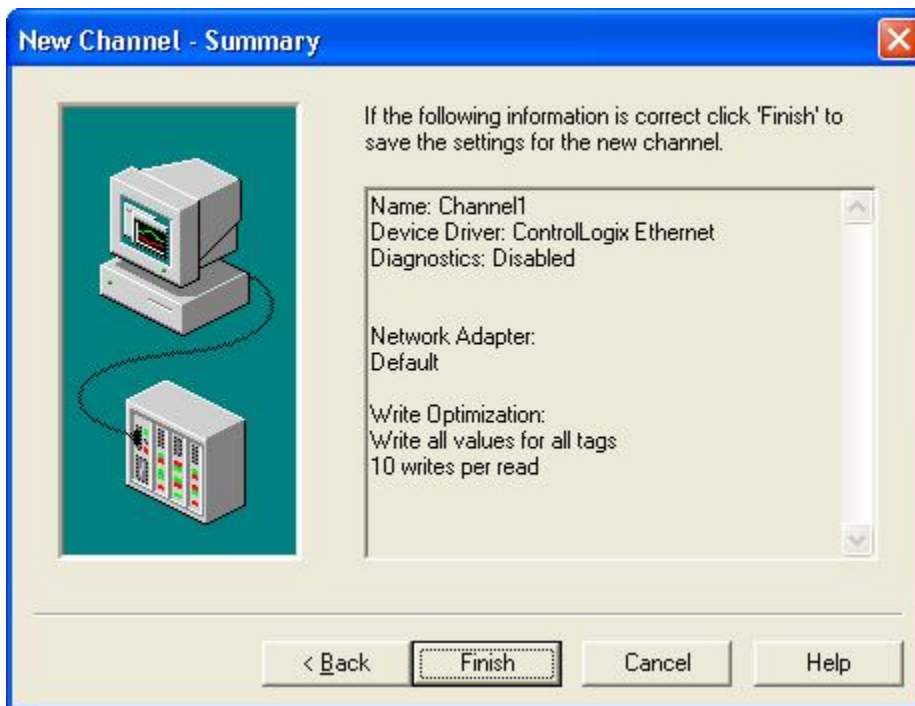
3. For the *Device Driver*, select the *ControlLogix Ethernet* driver and click *Next*



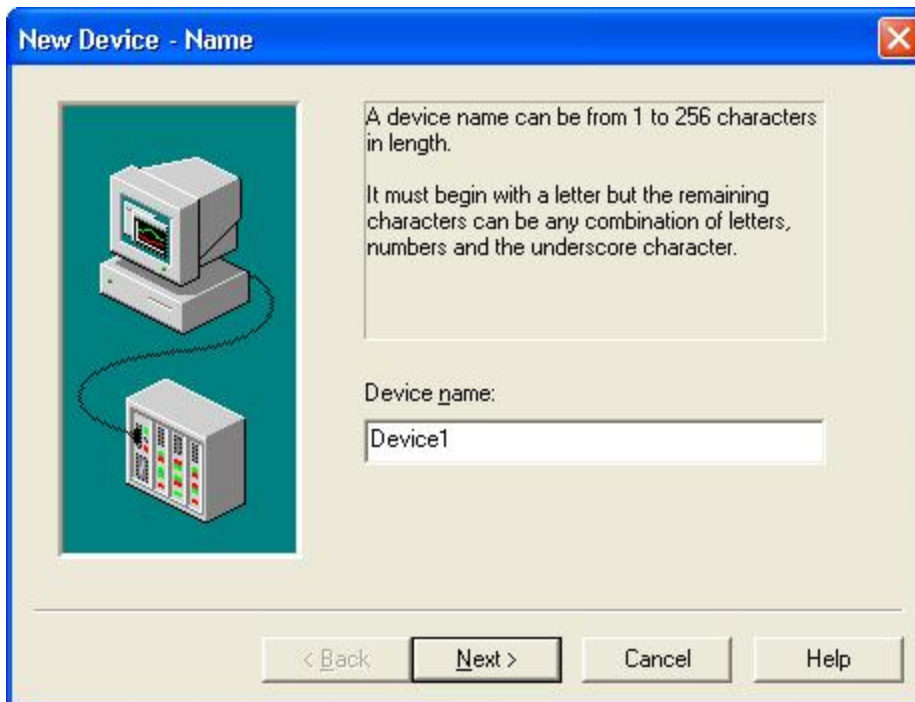
4. Select the *Network Adapter* that is connected to the AN-X-DHP. If there is only one network adapter in your computer, leave it set to *Default*. Click *Next*.



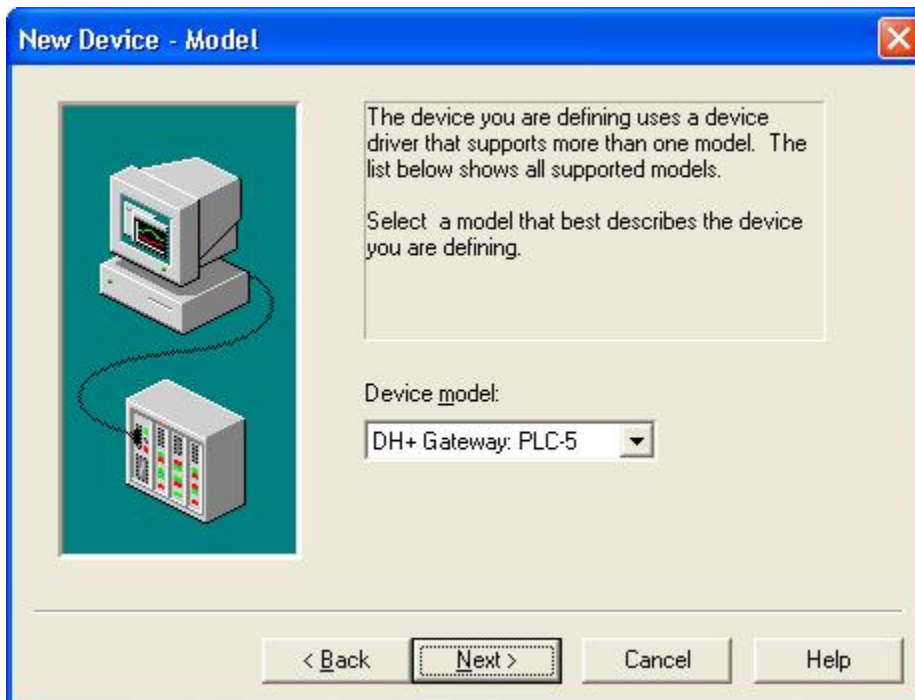
5. Leave the *Write Optimizations* set to their default values. Click *Next*.



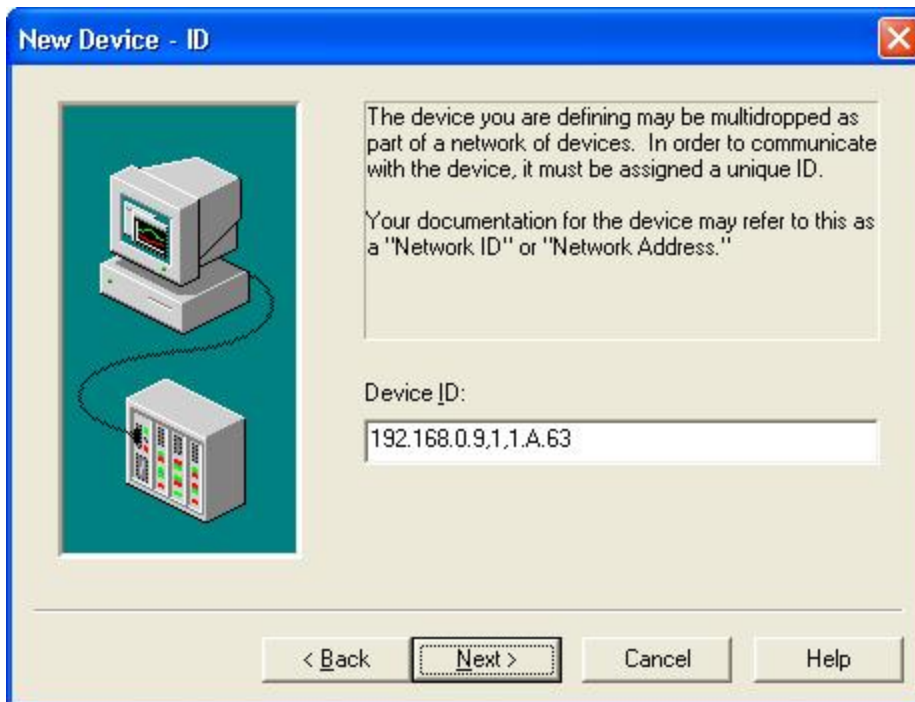
6. The server displays a summary of the channel configuration. Click *Finish* to accept the settings.
7. Click to add a device or select *Edit/New Device...*



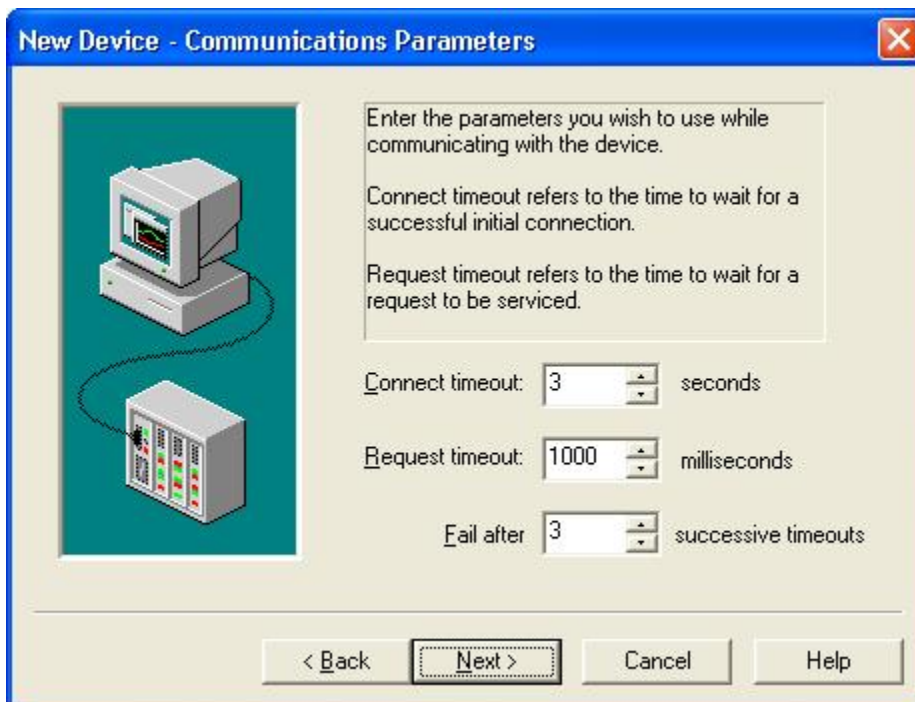
8. Give the device a *Device name*. Click *Next*.



9. For the *Device model*, select *DH+ Gateway: PLC-5*. Click *Next*.

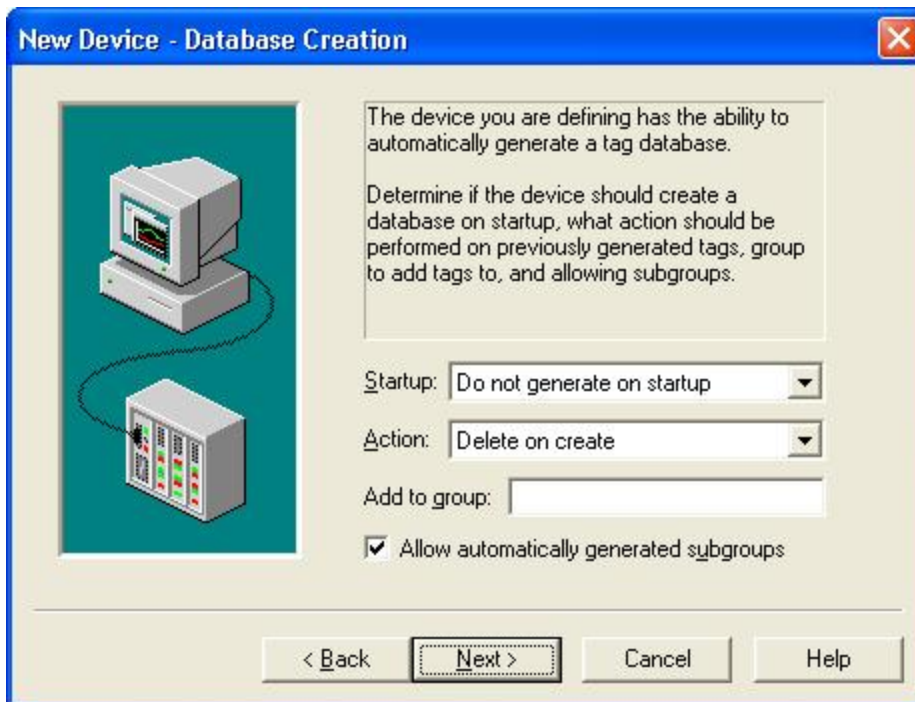


10. *Enter the Device ID.* This is the path to the destination PLC-5. The first four numbers are the IP address of the AN-X-DHP. This is followed by a comma, a 1 (to indicate the backplane, another comma, then 1.A. and finally the PLC-5 station address in decimal. The AN-X-DHP emulates a 1756-ENET module communicating through a 1756-DHRIO module in slot 1. Click *Next*.

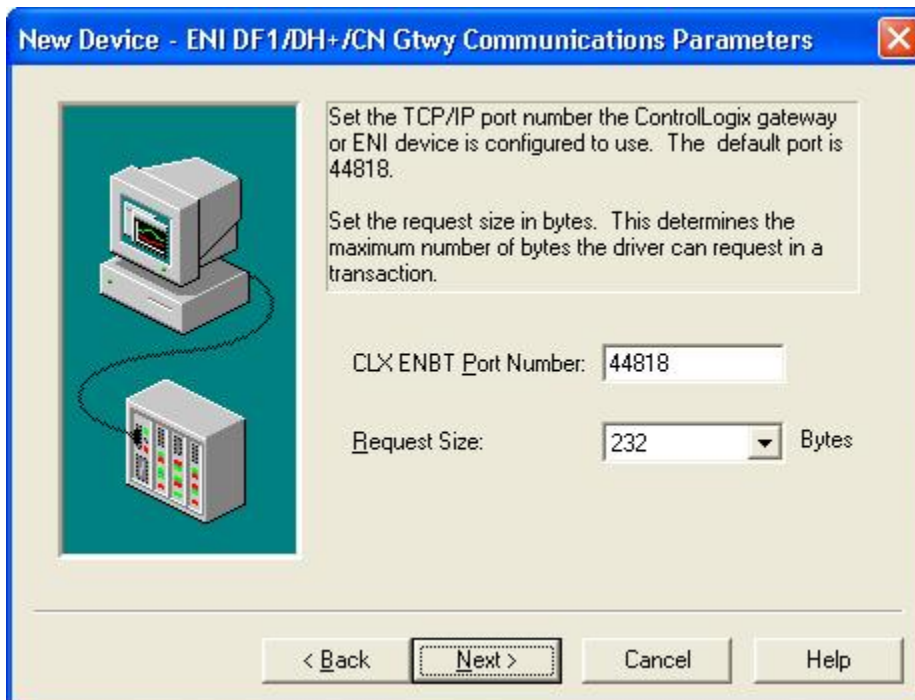


11. Leave the *Communication Parameters* at their default values. Click *Next*.

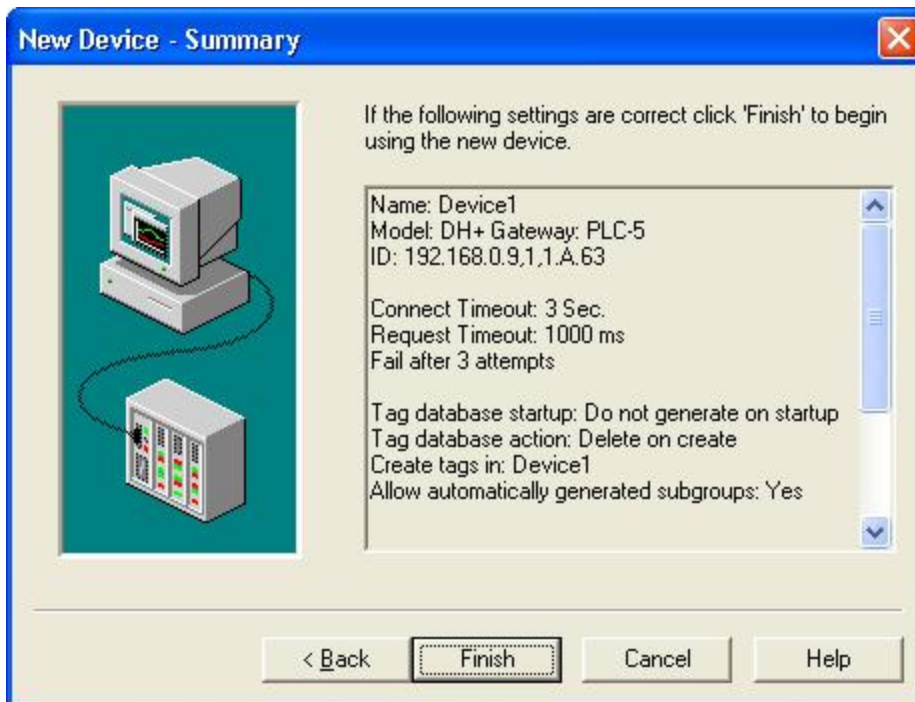




12. Leave the *Database Creation* settings at their default values. Click *Next*.

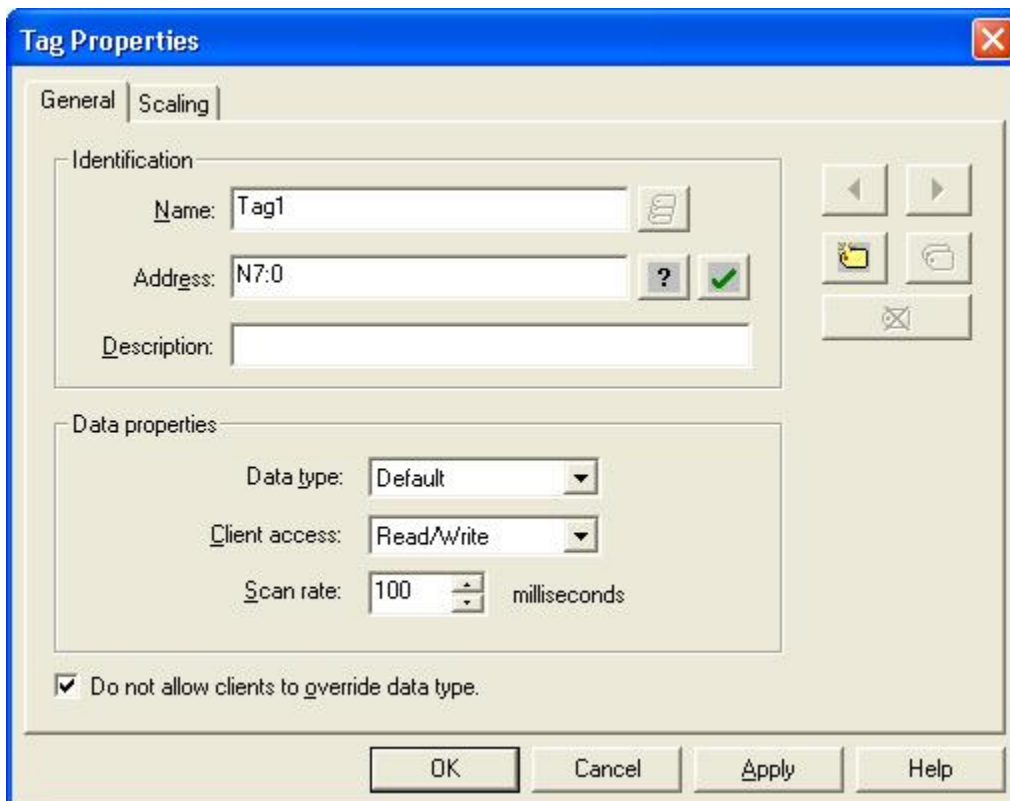


13. Leave the CLX ENBT Port Number and Request Size at their default values. Click *Next*.



14. The server displays a summary of the device settings. Click *Finish* to accept the settings and create the device.

15. Click to add a tag or select *Edit/New Tag...*



16. Give the tag a *Name* and optionally a *Description*.

## Using AN-X-DHP with the KEPware OPC Server

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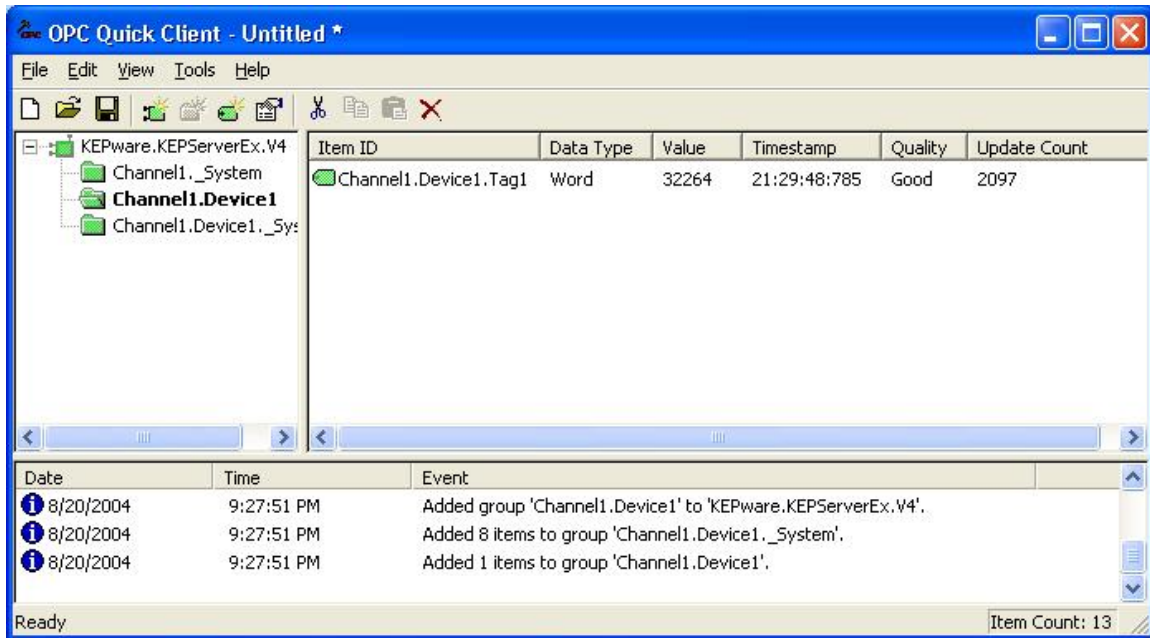
17. Enter the *Address*.

18. Set the *Data Type* and *Client access*. Set the *Scan rate*.

19. Click *OK* to accept the tag.

You should now be able to access the tag from any client capable of communicating with the OPC server.

Select *Tools/Launch OPC Quick Client* to go online. The tag value should be displayed.



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