



OCS Training Workshop LAB 4

Configuration of SmartStix Remote I/O modules

Lab 4: Configuration of SmartStix Remote I/O's

Objective:

The objective of this lab is to give you the knowledge to configure SmartStix Remote I/O's over Cscan communication.

This will be helpful to configure SmartStix Remote devices communicating with the OCS over Cscan protocol.

Configuration Procedure

Step 1

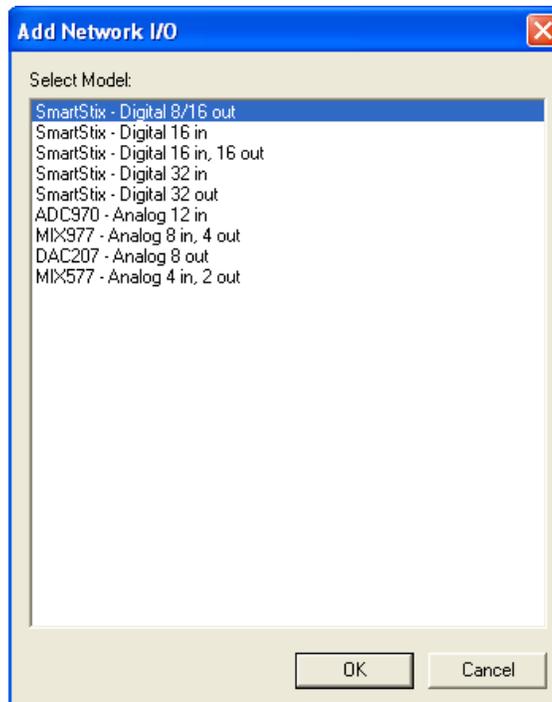
Open CsCan I/O configuration window

Click on the **Controller** menu and select **Hardware Configuration**. Choose the tab **CsCan I/O**.

Step 2

Add the SmartStix Remote I/O

Click the Add button. Select the SmartStix model from the Network I/O window.

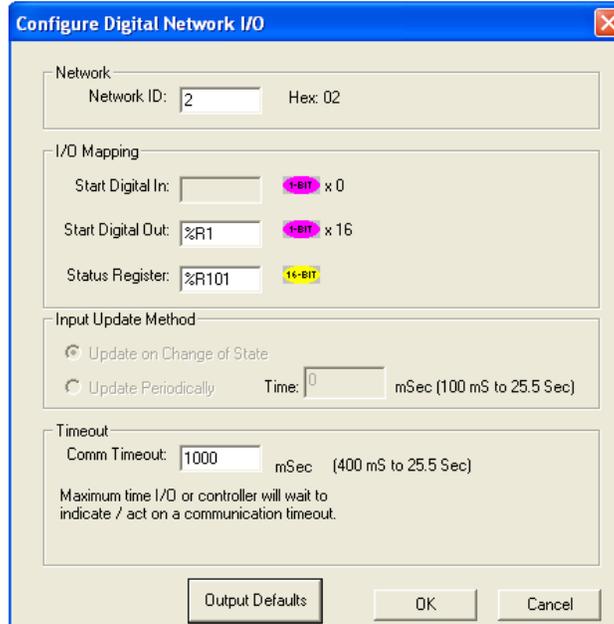


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Step 3

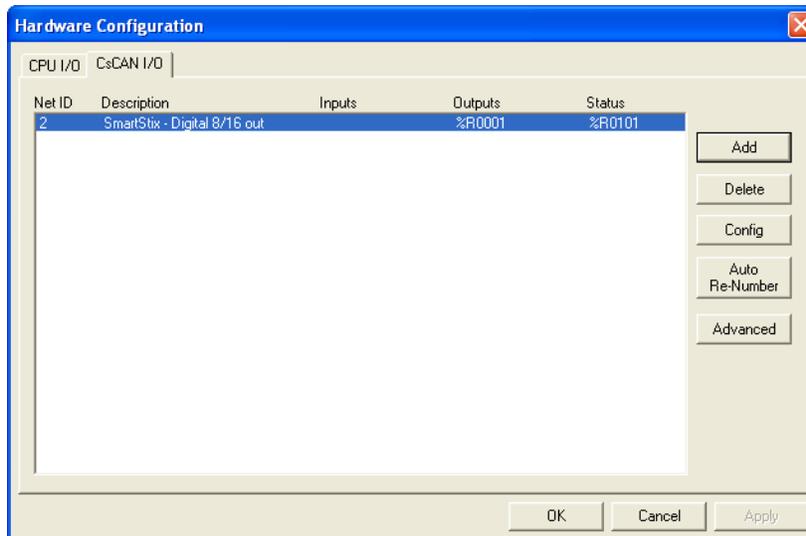
Configure Selected Network I/O

1. Enter the Network ID and IO Mapping details.



The 'Configure Digital Network I/O' dialog box is shown. It has a blue title bar and a close button. The 'Network' section contains a 'Network ID' field with the value '2' and a 'Hex: 02' label. The 'I/O Mapping' section has three rows: 'Start Digital In' with a field and a '1-BIT x 0' label, 'Start Digital Out' with a field containing '%R1' and a '1-BIT x 16' label, and 'Status Register' with a field containing '%R101' and a '16-BIT' label. The 'Input Update Method' section has two radio buttons: 'Update on Change of State' (selected) and 'Update Periodically' with a 'Time:' field set to '0' and 'mSec (100 mS to 25.5 Sec)'. The 'Timeout' section has a 'Comm Timeout:' field set to '1000' and 'mSec (400 mS to 25.5 Sec)', with a note below: 'Maximum time I/O or controller will wait to indicate / act on a communication timeout.' At the bottom are 'Output Defaults', 'OK', and 'Cancel' buttons.

Hardware Configuration window will display the selected SmartStix module with details.



The 'Hardware Configuration' window is shown with a blue title bar and a close button. It has two tabs: 'CPU I/O' and 'CsCAN I/O'. The 'CsCAN I/O' tab is active. It contains a table with the following data:

Net ID	Description	Inputs	Outputs	Status
2	SmartStix - Digital 8/16 out		%R0001	%R0101

On the right side of the table are buttons for 'Add', 'Delete', 'Config', 'Auto Re-Number', and 'Advanced'. At the bottom are 'OK', 'Cancel', and 'Apply' buttons.

Make sure the Baud rate of the OCS is set to 125k Baud. You can check this via the system menu of the OCS under the 'View Status' option.

This completes the Lab for Configuring SmartStix Remote I/O module.

End of LAB 4