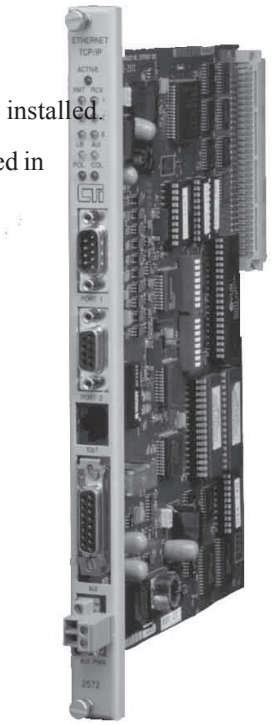
CTI 2500 Series PLC System
Application Note

Reading Values into Excel Spreadsheets Using the 2572

Hardware Requirements



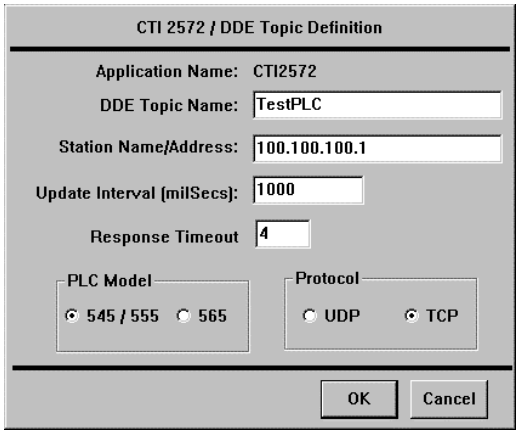
1. A PC with an Ethernet TCP/IP IEEE 802.3 network adapter card installed.
2. A CTI 2500 Series or Simatic® 505 I/O chassis with a power supply and PLC installed.
3. A 2572 or 505-CP2572 Ethernet TCP/IP Adapter Card installed and configured in the I/O chassis.
4. An Ethernet IEEE 802.3 network hub and cabling to attach to the 2572 and the PC network adapter card.

Software Requirements

1. Microsoft Excel loaded on the PC.
2. CTI 2572-DDS2 DDE Server installed on the PC.

Implementation Steps

1. Start the CTI 2572-DDS2 Server.
2. Select **Configure/Topic**.
3. In the Topic Definition dialog box select the **NEW** option.
4. Select a DDE Topic Name (i.e. TestPLC).
5. Enter the Station Name/Address (i.e. 100.100.100.1) of the 505-CP2572. This is the Ethernet IP address of the 505-CP2572.
6. Choose the PLC Model to be used and the desired Protocol.
7. Click **OK** then **Done**.



8. Start Microsoft Excel.
9. Use this format to enter formulas into cells: =application name/topic name!item name.

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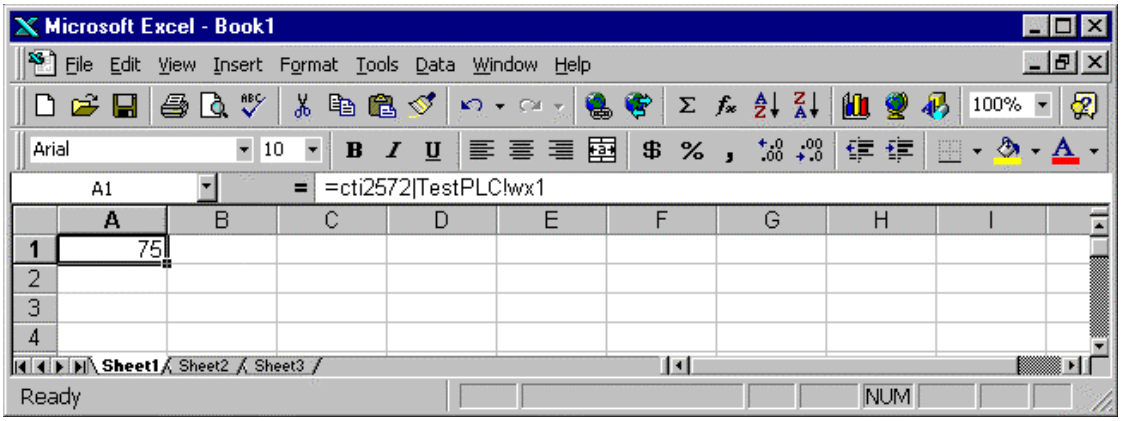
10. For this example the application name is cti2572 (this refers to the file cti2572.exe). The Topic name is TestPLC (this is the same as the topic name that was configured in the 2572-DDS2 DDE server software). The item name WX1 is the module status word (this is the first WX location of the 505-CP2572's login configuration). The high byte contains status bits and the low byte contains a counter value that is read from the module and increments from 0 to 255. This example reads back this counter value and displays it in the cell. The value in cell "A1" will be incrementing.



11. This example monitors the scan rate of the PLC by reading Status Word "stw10." Everything is the same as the previous example except for the item name.