Agilent IO Libraries Suite for OpenLAB CDS

Installation Guide

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The Agilent IO Libraries Suite is necessary to enable communication with LC/MS or CE/MS instruments.

The Agilent IO Libraries Suite can be installed as part of the Master Installer for the Agilent OpenLAB CDS. If the OpenLAB CDS software is already installed, you can use this guide to separately install the IO Libraries Suite.

The IO Libraries Suite requires that Microsoft Visual C++ Redistributable, VISA Shared Components and IVI Shared Components, and Microsoft .NET Framework are already installed. If theses components are not present, the IO Libraries Suite installation prompts you to install them before starting the IO Libraries Suite installation.

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Step 1. Install the IO Libraries Suite

To install the IO Libraries Suite and to run the Agilent Connection Expert for configuration, Administrator privileges are required.

1. Close all applications on your PC.
2. Insert Disk 3 of your OpenLAB CDS ChemStation disc in to your disc drive. Start the **setup.exe** program in the **Agilent_IO_Libraries** folder.
3. If you are prompted to do so, click **Install** to start the installation of the Microsoft C++ Redistributable, VISA Shared Components, and IVI Shared Components.

   The IO Suite InstallWizard Welcome Screen is displayed.
4. Click **Next**.
5. On the License Agreement Screen, accept the License Agreement.
6. Click **Next** to continue the upgrade.
7. Select **Typical** for the installation type and click **Next** to continue.
8. Verify the path statements for the installation and click **Install** to start the installation process. The system begins to install the files to your disk.
9. The IO Libraries are now successfully installed. Click **Finish**. You see the IO Control icon in the taskbar notification area of your computer screen. (The taskbar notification area is where the clock is usually displayed).

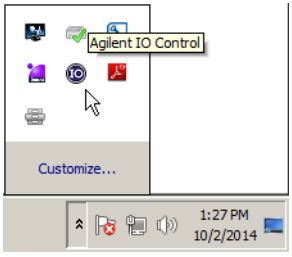
Figure 1 Finish device driver installation

Step 2. Start the Agilent Connection Expert

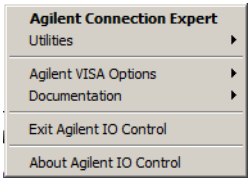
The Agilent Connection Expert is a software utility that helps you to connect your instruments quickly to your computer and troubleshoot connectivity problems.

1 Open **Agilent IO Control**.

- In the hidden icon panel, right-click the **Agilent IO Control** icon.

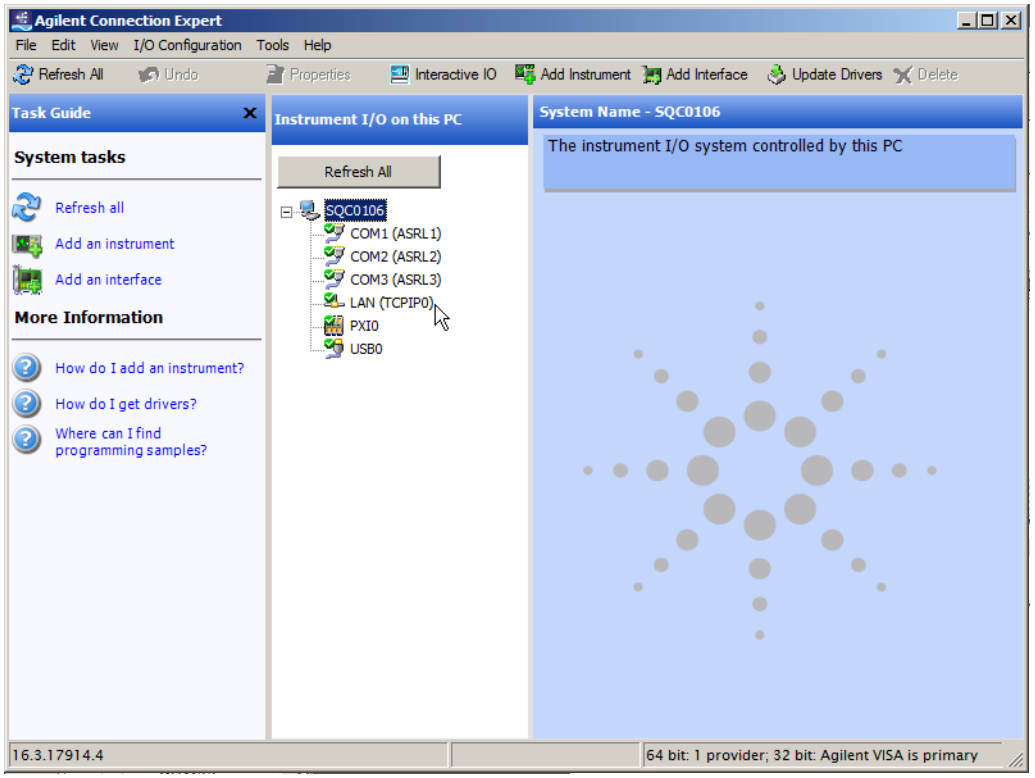


2 Click **Agilent Connection Expert**.



3 In the Agilent Connection Expert window, close the Welcome Screen if it appears. To do so, click **Close Welcome Screen**.

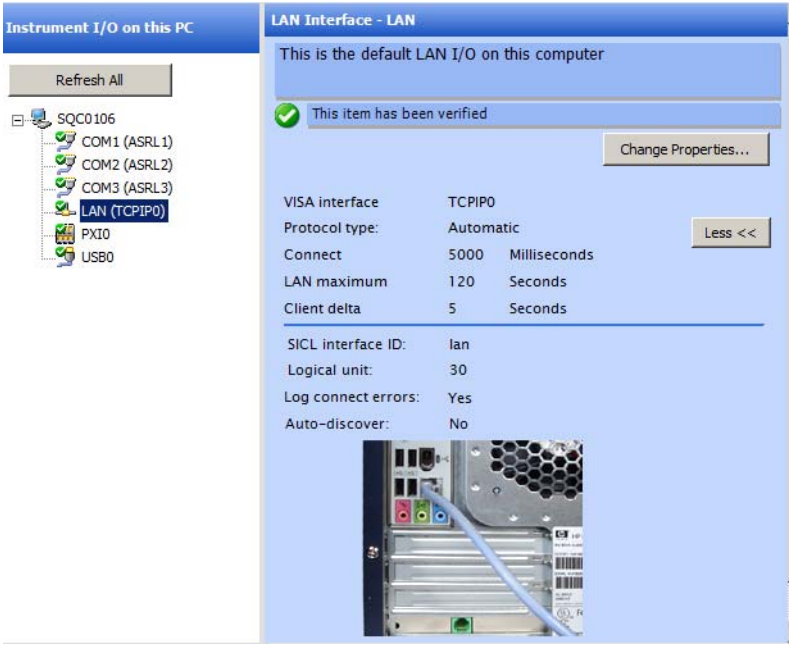
The Connection Expert automatically detects most interfaces and instruments, and assigns names and other default configuration settings. You can click them to see their properties (displayed in the right-hand pane).


Agilent Connection Expert
File Edit View I/O Configuration Tools Help
Refresh All
Undo
Properties
Interactive IO
Add Instrument
Add Interface
Update Drivers
Delete
Task Guide
System tasks
Refresh all
Add an instrument
Add an interface
More Information
How do I add an instrument?
How do I get drivers?
Where can I find programming samples?
Instrument I/O on this PC
Refresh All
SQC0106
COM1 (ASRL1)
COM2 (ASRL2)
COM3 (ASRL3)
LAN (TCPIP0)
PXI0
USB0
System Name - SQC0106
The instrument I/O system controlled by this PC
16.3.17914.4
64 bit: 1 provider; 32 bit: Agilent VISA is primary

Step 3. Confirm the SICL-LAN interface

Use the Agilent Connection Expert utility to confirm that the SICL-LAN interface is properly installed.

1. Open **Agilent Connection Expert**. See "Step 2. Start the Agilent Connection Expert" on page 4.
2. Under **Instrument I/O on this PC**, for the Single Quad instrument, click **LAN (TCPIP0)**.
3. Check that the default LAN I/O is verified.



If the IO Libraries Suite does not properly install

1. Close or cancel all **InstallShield Wizard** and other Agilent IO Libraries Suite windows. Close all other applications on your system.
2. Use the Windows Explorer to navigate to Disk 3 of your OpenLAB CDS ChemStation CD-ROM, and click **setup.exe** in the **Agilent_IO_Libraries** folder.

   The installation process restarts.
3. If you see the standard **InstallShield Wizard**, step through the installation process as described in this chapter.
4. If you see **Modify**, **Repair**, and **Remove** options, select **Repair**.

   This option reinstalls all installed features of IO Libraries Suite.
5. If these steps do not solve the problem, restart the installation, select **Remove**, and then reinstall the product.

To change IO Libraries Suite settings or remove IO Libraries Suite

1. Click **Start > Settings > Control Panel > Programs and Features**.
2. Select **Agilent IO Libraries Suite *xx.x***.
3. Click **Change/Remove**.
4. Select the desired option:
   - **Modify**: Adds, replaces, or removes selected features. You can change your installation from primary to side-by-side or from side-by-side to primary using this option. You can also use this option to install manuals or sample code.
   - **Repair**: Reinstalls all features.
   - **Remove**: Removes the product from your computer.

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In this book

This guide describes how to install and configure the Agilent IO Libraries Suite 16.3 for use with the Agilent OpenLAB CDS ChemStation Edition C.01.*xx*.

This guide applies to Agilent IO Libraries Suite 16.3 Update 2 or higher, until superseded.

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