Agilent x1149 Boundary Scan Analyzer Installation Guide

Agilent Technical Support

You can access support information at www.agilent.com/find/x1149. The Technical Support menu provides links to information about new features, available updates, and technical papers to help you use your Agilent x1149 Boundary Scan Analyzer more effectively.

To contact Agilent technical support, go to www.agilent.com/find/contactus for the support phone numbers.

Agilent Technologies

Agilent x1149 Hardware

Figure 1   Agilent x1149 Boundary Scan Analyzer
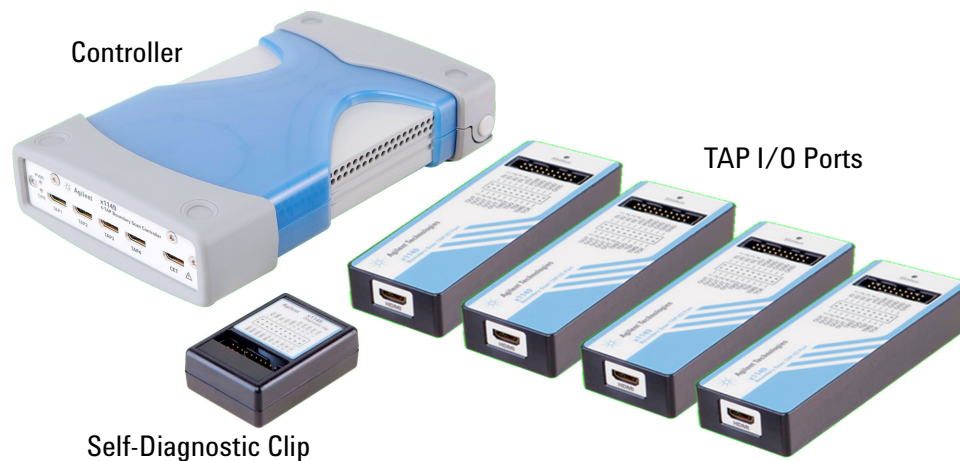
Item	Quantity
Agilent x1149 4-TAP Boundary Scan Controller	1
Power Adapter	1
Agilent x1149 Boundary Scan TAP/IO Ports	4
Agilent x1149 Self-Diagnostic Clip	1
LAN Cable	1
USB Cable	1
HDMI Cables	5*
20-pin Ribbon Cables	4

* An extra HDMI cable is included for use with the optional Cover Extend module.

Figure 2 Hardware connections

USB cable → To computer (for firmware update only)

→ To computer

LAN cable

To Cover Extend Module*

Self-Diagnostic Clip (to verify hardware functionality)

HDMI cable

TAP I/O Port

→ To board under test
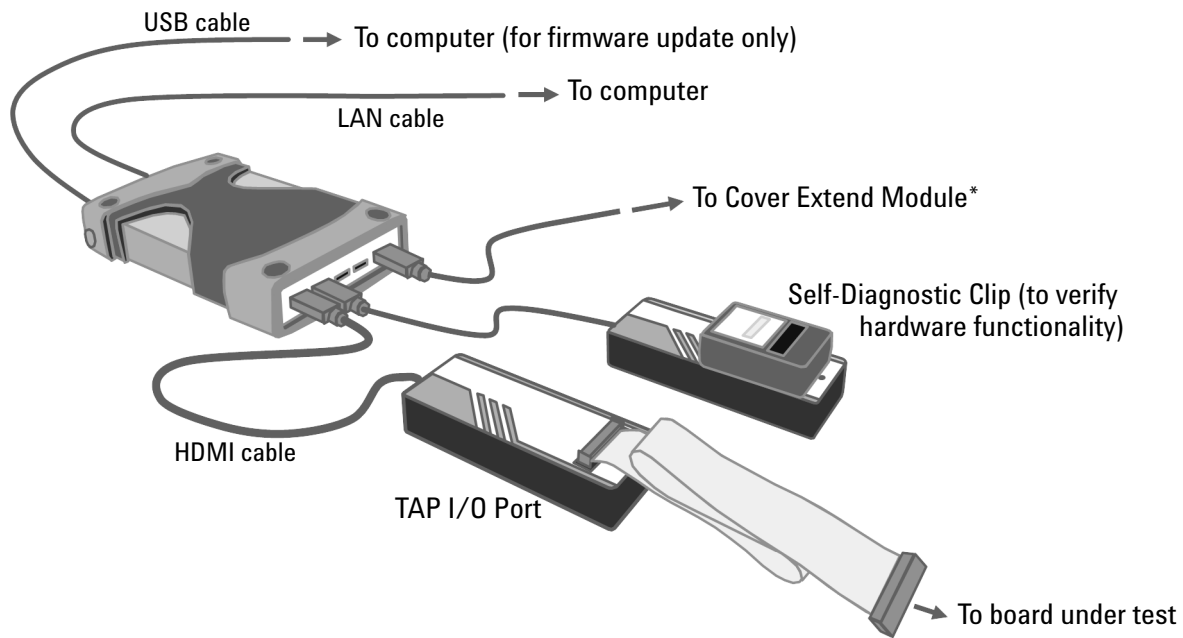
* optional component

- The controller supports up to four TAP I/O ports and an optional Cover Extend module.

- Connect the controller to the computer with the LAN cable provided. The default IP address for the controller is 192.168.1.2. Set the IP address of the computer to 192.168.1.x with subnet mask 255.255.255.0.

  For information on connecting the controller to the local area network, refer to the *Agilent x1149 Developer Guide*.

- The Self-Diagnostic Clip plugs into the TAP I/O to verify hardware functionality when needed.

- The USB cable is used to connect to the computer for controller firmware updates only.

Installing the Agilent x1149 Software

System Requirements

To install the Agilent x1149 software, the computer must have a DVD-ROM drive and meet the following requirements.

Table 1 System requirements

	Specifications
Processor	Intel© or AMD
Operating System	Windows© 7 Professional (32-bit or 64-bit) with Service Pack 1 or Windows XP Professional (32-bit) with Service Pack 3
	In addition, ensure that all Windows updates are installed.
Memory	2 GB minimum
	To determine the amount of memory, select **Start** > **Control Panel** > **System***.
Available Disk Space	10 GB minimum on the installation drive (can be any drive), plus 1 GB on C: drive.
	To determine the available disk space, open Windows Explorer, right-click on the installation drive and select **Properties**.
Display Properties	• Screen resolution: at least 1024 x 768 pixels • Color quality: at least 16-bit
	To determine or set the display resolution, right-click an empty point on the Windows desktop and select **Screen resolution**.
Language Setting	Must be English (United States).
	(**Start** > **Control Panel** > **Region and Language** > **Formats** tab)

* The instructions provided in this table and the rest of this guide are for Windows 7, unless otherwise stated.

Installing the Software

1 Insert the Agilent x1149 installation disc into the disc drive. It should auto-start.

> If installation does not auto-start after several seconds:
> a. Open Windows Explorer and browse to the disc.
> b. Double-click **setup.exe**.

2 If the User Account Control dialog box appears, click **Yes** to allow the installation to continue.

3 Follow the instructions on the screen to complete the installation.

When installation is completed, install the Agilent IO Libraries Suite.

1 Open Windows Explorer and browse to the installation disc.

2 Double-click **IOLibSuite_16_2_15823.exe**.

Obtaining the License File

The Agilent x1149 software requires a license to run. Obtain the license file following the instructions provided when you purchased the system.

Then copy the license file to `C:\Program Files\Agilent\licensing`.

The Agilent License Manager will automatically generate the necessary feature licenses. You can view the license by selecting **Start** > **All Programs** > **Agilent** > **Agilent License Manager**.
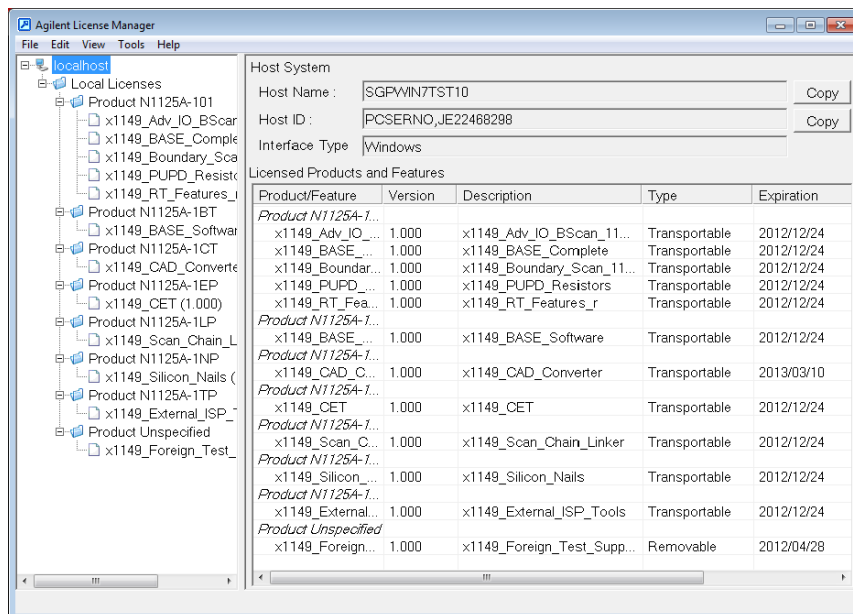
| | NOTE | Be sure to keep a backup copy of the license file in a safe place. |

Launching the Agilent x1149 Software

You can launch the **Agilent x1149** software using its icon on the desktop or from the **Start** menu (**Start** > **All Programs** > **Agilent x1149** > **Agilent x1149**).

Uninstalling the Agilent x1149 Software

1   Select **Start** > **Control Panel** > **Programs and Features**.

2   Double-click **Agilent x1149** and click **Next** in the installer wizard.

3   Select the **Remove** option to remove the Agilent x1149 software and also the associated programs.

System Backup and Recovery

It is the responsibility of the customer to create a full backup of the files on their test systems so that the system and data can be recovered in case of a disaster such as a disk crash. It is recommended that you set up a backup schedule and procedure to create regular backups.

IN NO EVENT WILL AGILENT OR ITS SUPPLIERS BE LIABLE FOR LOSS OF DATA OR FOR DIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFIT OR DATA), OR OTHER DAMAGE WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE.