



Xgig Analyzer Software

Installation Guide

Congratulations on your purchase of the Xgig Analyzer Software.

This Software Installation Guide is intended to help you install your Xgig software and verify that you are up and running with the analyzer hardware. It includes the following topics:

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Hardware Requirements

For new installations:

New Xgig hardware is shipped with all required software and hardware installed.

For upgrades:

If you need to install any new hardware in your Xgig system, do this first. For installation of Xgig blades, refer to the *Xgig Blade Hardware Guide* that comes with the new blade.

Upgrading to the latest version of the Xgig Analyzer software requires installation of the new version of software at the Xgig chassis. Use the upgrade function available from TraceControl after Xgig Analyzer 4.4 software is installed or use the Web Upgrade Utility to upgrade the software at the remote Xgig chassis. Refer to the *Xgig Family Hardware Guide* for instructions on installing a new image for an Xgig chassis.

Support for GTX Blades Discontinued

Xgig Analyzer Software version 2.5 or greater does not support GTX Analyzer PCI blades. If you have GTX blades on your Dolch (or any other PC), the analyzer software will not recognize the blades.

Discontinued Support for Microsoft Windows Operating Systems

Support for the following Microsoft Windows operating systems has been discontinued.

- Xgig Analyzer Software version 2.1 or greater does not support the Windows NT operating system.
- Xgig Analyzer Software version 4.4 or greater does not support the Windows 2000 operating system.
- Xgig Analyzer Software version 7.1 or greater does not support the Windows XP, Windows Vista, or Windows Server 2003 operating systems.
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System Requirements

Operating System

One of the following 32-bit or 64-bit operating systems is required.

- Windows 7 Professional and Enterprise with Service Pack 1
- Windows 8.1 Professional and Enterprise
- Windows Server 2008 Standard or Enterprise with Service Pack 2
- Windows Server 2008 R2 Standard or Enterprise with Service Pack 1
- Windows Server 2012 R2 Update Standard or Essentials

Power options for Windows operating systems must be set to High Performance.

Administrative privileges are required to install Xgig Client software. You can run without Administrative privileges, but you cannot install the software without Administrative privileges.

Web Browser

One of the following Web Browsers is required.

- Internet Explorer v6.0 or later
- Firefox v1.5 or later

Pop-ups must be enabled for some system upgrade functions. Note that this is not the default value for Internet Explorer 7.0.

Other Software

All the required software listed below is distributed on the Xgig Analyzer Client Software USB drive.

- Microsoft .NET Framework software, version 3.5 with Service Pack 1
Note that Microsoft .NET Framework software requires 200MB of disk space.
- Microsoft Visual C++ 2008 Redistributable with Service Pack 1
- Microsoft Windows Installer 3.1
- Visual Basic Power Packs version 1.2

Hardware

- PC System with mouse, USB port, and keyboard.
- A Network Interface Card and a connection to a LAN to reach remote Xgig Systems
The Xgig chassis supports 100/1000 Mbps data rates (1000 Mbps is recommended).
- SVGA display that supports 1024 X 768 or greater resolution
- Serial data port
- Standard type A to Type B USB cable for Remote Administration function
- USB-RS232 adapter for using the floating license serial dongle with Xgig1000 and Xgig5000 chassis

Recommendations for use with sync groups of up to 16 ports:

- Pentium III with 1 GHz or faster processor (dual core recommended)
- 4GB RAM (8 GB RAM recommended)
If the Xgig blades have the (optional) larger memory modules installed or post capture processes such as Traffic Summary View and Exchange View are to be done, additional RAM helps optimize trace processing.
- 80 GB hard drive or larger
Xgig Analyzer software requires approximately 500MB of hard drive space, which includes samples of configurations and protocol traces.
Pre-requisite software - Microsoft .NET Framework and Microsoft Visual C++ Redistributable software require additional 200MB of disk space. Future trace files to be saved will require more disk space depending on the size of the captures.

Recommendations for use with sync groups of more than 16 ports:

- Pentium 4 with multi-core and/or multi-processor, 2 GHz or faster clock speed
- 8GB RAM minimum
If the Xgig blades have the (optional) larger memory modules installed, additional RAM helps optimize trace processing. When Traffic Summary View and Exchange View processing are employed in standard work flow, we recommend at least 8GB of RAM installed.
- 256GB SATA3 SSD hard drive or larger
Future trace files to be saved will require more disk space depending on the size of the captures.
- 1600x1200 SVGA monitor
Multiple Monitors are highly recommended.

Other

- All chassis within a Sync Group (cascaded chassis) must be on the same subnet.
- Additional PC System Memory will help optimize trace processing if Xgig blades have the optional larger memory modules installed.

Removing Previous Versions

The Xgig Analyzer installer will remove previous versions of Xgig software before installing the current version, while maintaining existing user-created files in the installation directories.

If you want to uninstall a previous version of Xgig Analyzer yourself, before installation, you can do so using the **Add/Remove Programs** function in the Windows Control Panel.

Installing Xgig Analyzer Software

To install Xgig Analyzer software follow these steps:

- 1 Close all open applications and temporarily disable virus protection.
- 2 Connect the Xgig Software USB memory drive to your computer. In the Windows Explorer, run the autorun.exe at the root of the USB memory drive.
- 3 Select **Install Analyzer** from the menu. If Microsoft .NET Framework 3.5 Service Pack 1 is not installed, you will be asked to install the software prerequisites.
- 4 The Xgig Analyzer Setup Wizard appears.
- 5 Select **Next** to continue installation. A screen appears to accept the license, and then screens showing progress of the installation.
- 6 Select the folder location for the installation.
- 7 Click **Install** to begin the installation.
A screen appears when the installation is complete.
- 8 Click **Finish** to complete the installation.
- 9 Once installation is complete, you may receive a message asking you if you want to restart your PC. If you receive this message, restart your PC to complete the Xgig Analyzer software installation.

If you are upgrading to a new version of Xgig Analyzer software, make sure you also upgrade the System image and the Application image on the Xgig system.

Launching Xgig Analyzer Applications

To launch any of the four Xgig Analyzer applications using one of these methods:

- Double-click the program shortcut on your desktop.
- Go to **Start > Programs > Viavi > Xgig Analyzer >** and pick the Analyzer application you want to run.

Refer to the *Xgig Analyzer User Guide* for instructions on running Xgig Analyzer applications.

The four Xgig Analyzer applications are:

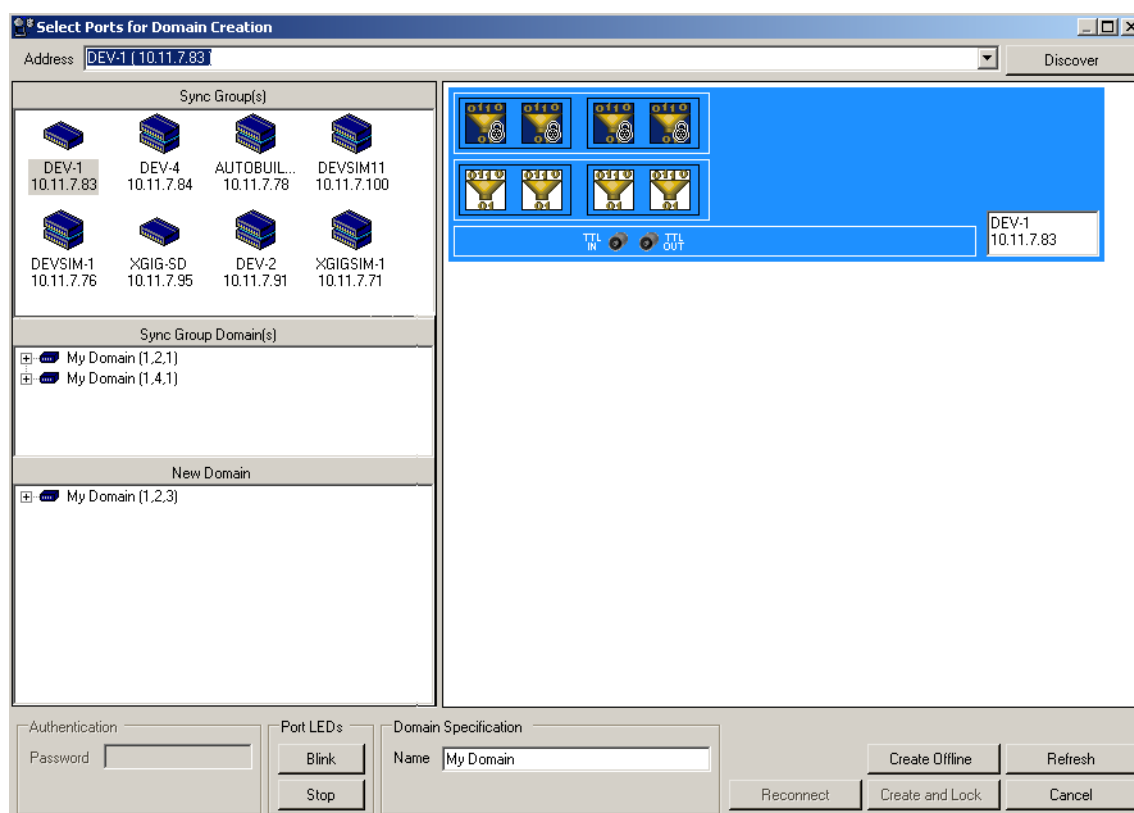
- TraceControl
- TraceView
- PerformanceMonitor (PerfMon)
- Expert

Verifying the Installation

Perform these steps to verify your software installation and verify that you can reach a remote Xgig system:

- 1 Make sure you have a LAN connection to a network that can reach the remote Xgig system(s).
- 2 Make sure at least one remote Xgig system is connected to the network.
- 3 Launch the TraceControl application on your local system.
- 4 Press the **Domain Configuration** button on the toolbar window of TraceControl. You should see all the remote analyzers in the same sub-net in the **Select Ports for Domain Creation** dialog box. If the Xgig chassis is on a different sub-net, enter the IP address of the Xgig in the Address area and press **Discover**.

Figure 1 Verify Installation in TraceControl



- 5 Select a Sync Group from the Sync Group area. If your Xgig Analyzer software is installed properly, you will see all the blades and ports for the Xgig hardware you selected.

If you do not see all devices, see the README.HTM file on the Xgig Software USB memory drive for more information. Troubleshooting information can also be found in the Xgig Family Hardware Guide, or contact the technical assistance team listed in [“Technical Assistance” on page 8](#).

Technical Assistance

If you require technical assistance, call 1-844-GO-VIAVI (1-844-468-4284) or e-mail Techsupport-snt@viavisolutions.com.

For the latest TAC information, go to <http://www.viavisolutions.com/en/services-and-support/support/technical-assistance>.



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