GENESIS64 – Running GraphWorX64 Displays in Gadgets

APPLICATION NOTE

July 2011

Description: Guide to Running GraphWorX64 Displays in Gadgets.
OS Requirement: Vista x64/ Server 2008 x64/Windows 7 x64/ Server 2008 R2 x64
General Requirement: General understanding of the mechanics and interaction of Gadgets; installation of GENESIS64.

Introduction

A feature of the new Windows Operating System is gadgets. These little applications on the sidebar can display information about the weather, stock market, time and date, and much other useful information. Taking advantage of this technology, we have created the GraphWorX64 gadget, which can put HMI data conveniently right on your desktop.

It is helpful to have *GENESIS64 – Running in Internet Explorer* application note at hand for understanding the procedure and solving possible issues you might encounter.

Test an Example Display in IE8 (64 bit)

1. Start the 64-bit IE, go to Start → All Programs → Internet Explorer (64-bit).
2. In the Address Bar type in "http://MyGENESIS64Server/" and hit the Enter key. As a result, you should get the IIS7 Welcome page.

Figure 1 - IIS7 Welcome Page

3. This is to ensure IIS7 is installed and running. If the Welcome page does not come up, then you need to install the IIS7 or find the cause that blocks the page from coming up before you continue.
4. Having successfully tested the IIS7, you can try opening "http://MyGENESIS64Server/ genesis64/websites/pubdisplay/gauges.htm". You may encounter a popup asking you to install an ActiveX. Choose OK to continue. You should see something similar to Figure 2.

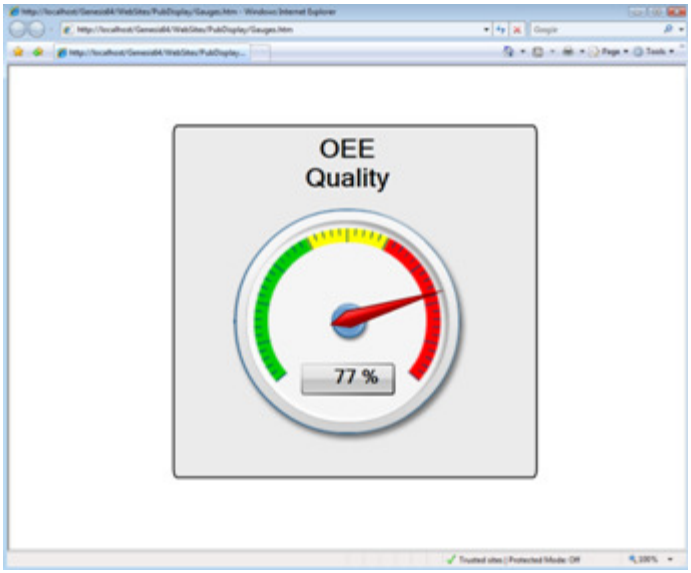

Figure 2 - Gauge Display in IE

5. If this fails, please read and follow the instructions described in the Application Note *GENESIS64 - Running in Internet Explorer* and focus on the settings for Internet Explorer 64. If you can see the web page, then most of the work is done.

GraphWorX64 Display in a Gadget

1. Start your Sidebar by going to Start → All Programs → Accessories → Windows Sidebar. If you are working with Windows7 start the Start → All Programs → Desktop Gadget Gallery, and skip Step 2.
2. In the upper part of the Sidebar, you can choose to add a Gadget by clicking on the plus symbol.

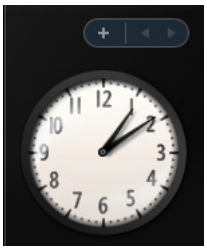

Figure 3 - Windows Sidebar

3. Select the "GraphWorX64" gadget, then drag and drop it to your sidebar. In Windows7 to the dektop.
4. Once the gadget is in the sidebar, open the options by clicking on the configure button to the right of the gadget.
5. You will then get a configuration window as shown in Figure 4.

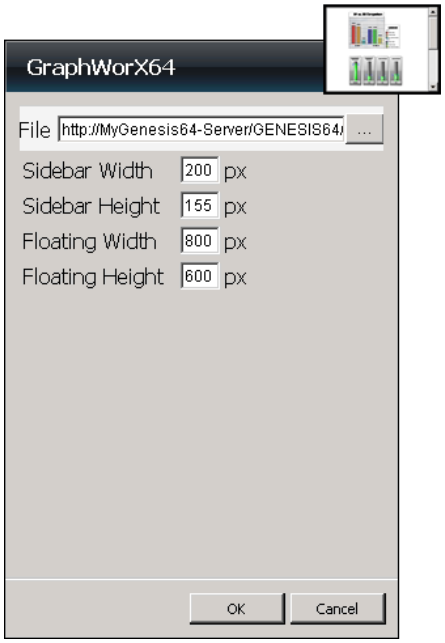

Figure 4 - GraphWorX64 Gadget Options

6. You can click on the ellipse button to browse for an example gadget like: http://MyGENESIS64Server/genesis64/websites/pubdisplay/gauges.htm
7. Click on OK once you have selected the file. The result should look similar to after a few moments.

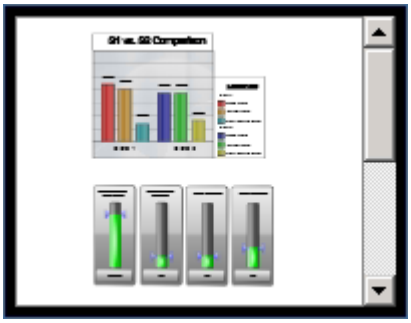

Figure 5 - GraphWorX64 Gadget Running in the Sidebar/Desktop

8. Should your gadget look similar to the figure below, then you need to adapt a line in an htm file.

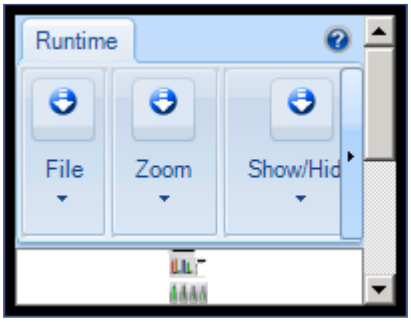

Figure 6 - Possible view of the gadget

Go to "C:\Program Files\ICONICS\GENESIS64\WebSites\PubDisplay\". Here you can see some htm examples you can view with the Internet Explorer. Open the one you want to see in the gadget with a simple text editor. Locate the phrase "RibbonVisible=True", change the True to False "RibbonVisible=False". Save the htm file. Open the gadget configuration window like in step5 and click OK. This shall reload the htm file and you will be able to see more.

9. Note that in Windows Vista you can also drag the gadget outside the side panel to get a larger scale gadget (undocked). At any time, you can dock the gadget back to the side bar by dragging the gadget back over the side bar.
10. Now you can create your own web pages with GENESIS64 objects inside and bring them into a gadget.

NOTE: Gadgets are designed to be small helpers, therefore keep the displays simple for better performance.