

Description: Guide to configuring your MobileHMI Application for Windows Phone with advanced graphical views using GraphWorX64

OS Requirement: Windows Server 2003 x64/Vista x64/ Server 2008 x64/Windows 7 x64/ Server 2008 R2 x64

General Requirement: MobileHMI v10.7 or GENESIS64 v10.7

Introduction

With MobileHMI and GraphWorX64, you have the ability to create detailed graphical displays to view and interact on your Windows Phone. You have the ability to leverage the existing GraphWorX64 Silverlight functionality such as viewing trends with the TrendWorX64 Viewer, acknowledging alarms with the AlarmWorX64 Viewer, monitoring production with the EarthWorX Viewer, and much more all from your Windows Phone using MobileHMI.

In this Application Note you will create a GraphWorX64 Windows Phone Display including the new Pivot Control. Then you will publish the display as your Landing Page and view it from your Windows Phone.

Creating a GraphWorX64 Windows Phone Display

1. Open **GraphWorX64 for MobileHMI** display from Start → Programs → ICONICS → MobileHMI → GraphWorX64 for MobileHMI

NOTE: If you did not install MobileHMI, but installed GENESIS64, you can still create a GraphWorX64 Windows Phone Display by opening a new GraphWorX64 Display clicking on File → New → Windows Phone Display

2. Select the **Pivot Control** from the Phone ribbon, click and drag it onto the display so that it fills the whole display.
3. Select the newly added Pivot Control from the Explorer, and then on the Properties, under “Content”, edit the “Text” field to “Overview”. Change the Foreground color (Text color) as you wish.
4. In the items row, select the ellipsis button to add a collection which contains three pages (alternately, you can add pages using the “Add Pages” button in the Pivot Pages group after select your pivot control).

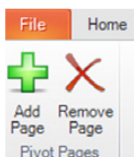


Figure 1 - Add page

5. From the Explorer or by double clicking on each page, change the **Header** of each page to **KPI, Alarms, and Trends** accordingly as shown in Figure 22.

To do so, right click on the page from the Explorer and click on “Edit Text” or in the Properties of each page, under “Content”, edit the “Text” field. Once again, change the foreground, background color as you wish.

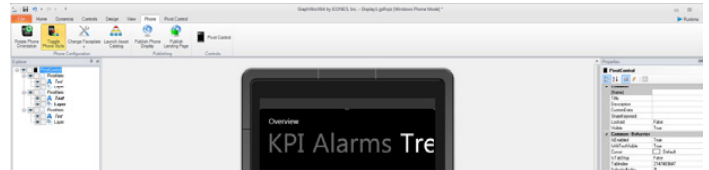


Figure 2 - Pivot Control with Multiple Pages

6. With the PivotItem for the KPI page fully expanded in the explorer, double click on the **Layer** that is located below it similar to Figure 33

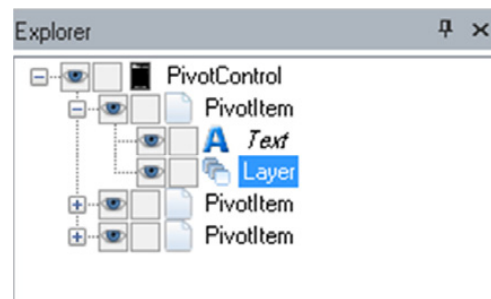


Figure 3- Editing a Group for a PivotItem

7. With only the layer selected, you can now add various GraphWorX64 Objects and Controls to it. As this is the KPI page, add several process points and labels related to KPI's (Key Performance Indicators). You can use the Simulation tags for these if you wish.
8. In a similar fashion, add an AlarmWorX64 Viewer to the **Alarms** page.
9. Finally, add a TrendWorX64 Viewer to the **Trends** page and add an OPC or Simulation data source pen to it.
10. Save all of your changes, and now publish the display as a Landing Page using the **Publish Landing Page** button from the Phone ribbon.

NOTE: Publishing a GraphWorX64 Windows Phone Display is the similar procedure as publishing any other display. For more information on how to publish a GraphWorX64 display, please refer to the GraphWorX64 – Publishing Display Application Notes. If you did not install MobileHMI, but GENESIS64 instead, you will want to make sure you publish path is pointing to the MobileHMI folder such as ..\GENESIS64\Websites\Pubdisplay\MobileHMI

Viewing Landing Page

With the Landing Page published you should now be able to view it through MobileHMI on your Windows Phone. If you do not already have MobileHMI installed on your Windows Phone, please refer to the “MobileHMI – Getting Started” Application Note and help documentation.

1. Launch **MobileHMI** from your Windows Phone
2. When prompted to select a server to connect to, you can do one of the following:
 - If your Windows Phone is connected to the same WiFi network as your GENESIS64 Server you can connect to it using the IP or machine name.
 - If you are not on the same WiFi network as your GENESIS64 server you can access it using the fully qualified domain name such as mobilehmi.iconics.com
3. Once connected, select the **Landing Page** option. You should see your Overview display and the KPI tab selected. It may look similar to Figure 44



Figure 4 - KPI Page on Windows Phone

4. To select the **Alarms** page you can either Tap the header, or slide your finger from right to left. Your Alarms may look similar to Figure 5

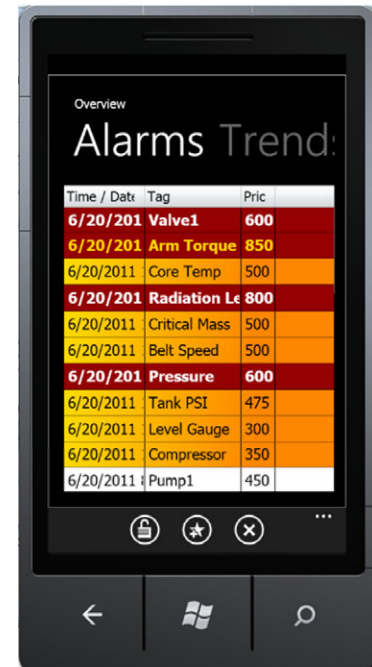


Figure 5 - Alarms Page on Windows Phone

5. Finally, view the **Trends** page in a similar fashion to Step 4

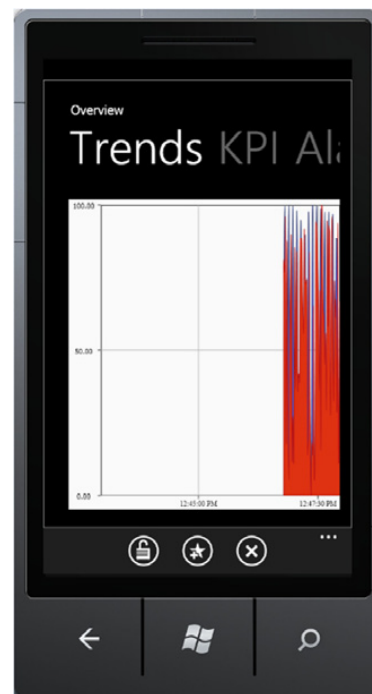


Figure 6 - Trends Page on Windows Phone

This Application Note has gone over some of the new features available for GraphWorX64 Windows Phone Displays such as the Pivot Control. For more information please refer to the help documentation .