MobileHMI – Getting Started

APPLICATION NOTE

July 2012

Description: Guide to start using ICONICS MobileHMI.
OS Requirement: Server 2003 x64/Vista x64/ Server 2008 x64/Windows 7 x64/ Server 2008 R2 x64
General Requirement: Windows Phone with Windows Phone 7 Operating System

Introduction

MobileHMI is the next generation HMI/SCADA mobile application for industrial, manufacturing and building automation using the Windows Phone technology. MobileHMI is an application developed to allow access to operational information from anywhere and at any time. Leveraging the capabilities of the ICONICS platform technologies for HMI/SCADA and Analytics, MobileHMI will bring a new level of flexibility to any MobileHMI or SCADA installation. With the ability to launch GraphWorX64 displays, real-time and historical trends, navigate the Asset Catalog, monitor alarms and subscribe to push notifications for alarms, MobileHMI gives users control of enterprise scale operations from a Windows Phone.

The MobileHMI product can be installed separately as a stand-alone product or it can be used with ICONICS GENESIS64 or ICONICS AnalytiX suites.

Installation

The first step to start using MobileHMI is to install the MobileHMI product on a development server PC. For details about the installation procedure please refer to the product documentation located on the installation disk.

After you have installed the project development server you can start preparing your Windows Phone. In your Windows Phone simply navigate to the market place:

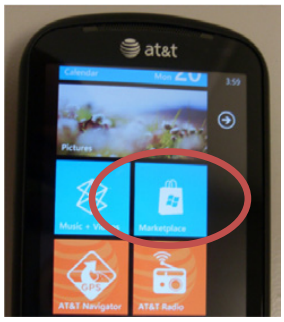

Figure 1: Windows Phone Marketplace

Then select "applications", hit the search button and enter "ICONICS" or "MobileHMI".

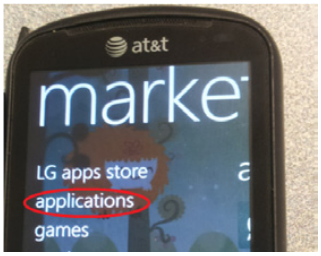

Figure 2: Marketplace applications

The market place will find the MobileHMI application.

Figure 3: ICONICS MobileHMI on Marketplace

Click the MobileHMI icon and follow the prompt to "Install". The process has been fully automated; it will download and install all necessary components. After the installation finishes, it will leave your Windows Phone with the latest version of MobileHMI installed.
You may also want to decide to use the "pin to start" command on your Phone to have the MobileHMI application always available on your Phone start page.

Connecting to sample project

After you have done the installation procedure, you can launch the MobileHMI application by tapping the MobileHMI icon. After startup it will show a welcome screen.

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Figure 4: MobileHMI Welcome Screen

Click "Continue" and you will be asked for a URL address of your MobileHMI project. By default the mobilehmi.iconics.com URL is filled in. Also you can switch on the "allow push notifications for alarms" option. With push notifications enabled, you will receive immediate alarm status notifications to your Windows Phone.

NOTE: There is a limit of 500 push notifications per day.

Figure 5: Connect to MobileHMI.iconics.com

Click "continue" and the application will direct to the ICONICS MobileHMI sample server. You can change the server connection later, which allows the operator to visualize and control multiple projects from the Phone.

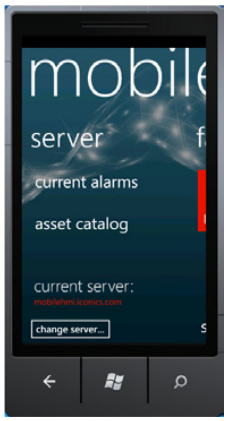

Figure 6: MobileHMI sample project

You will see three main options to be browsed between the server and favorites:

- Current alarms – Server
- Asset catalog - Server
- Landing page - Favorites

Tapping any of these links will navigate you to predefined views on the example projects. ICONICS recommends that you browse through all of them to practice the MobileHMI navigation and explore the sample project.

For example clicking the "landing" favorite, can open a landing page of a project:

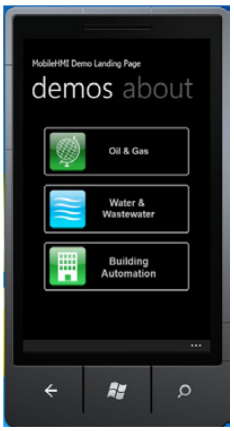

Figure 7: MobileHMI landing page

For more details about the ICONICS Asset Catalog, alarming systems, and graphical interface, visit ICONICS.com or refer to the product documentation.
The next step is to create your own MobileHMI project on your development server. After you are done you will publish it to a web server using the integrated ICONICS tools.
For more details on developing and publishing your MobileHMI project please refer to the ICONICS MobileHMI product documentation and other application notes.