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Microchip's Graphics Display Designer X Supports PIC® MCU-based GUI Creation on Windows®, Linux or Mac® Computers

Easy-to-Use Tool Enables the Development of Graphical User Interfaces and Saves Valuable Design Time

CHANDLER, Ariz.--(BUSINESS WIRE)-- Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, today announced the release of [Graphics Display Designer X \(GDD X\)](#), Microchip's enhanced visual design tool that provides a quick and easy way of creating Graphical User Interface (GUI) screens for applications using Microchip's 16- or 32-bit PIC® MCUs. With GDD X, developers have the freedom to work in the environment of their choice, including Windows®, Linux or Mac OS® operating systems.

Graphical user interfaces are found in a wide range of products today, from coffeemakers to automotive dashboards. While the requirement is becoming commonplace, there is a lack of cost-effective tools available to the developer. Placing dialog boxes, guidance text, buttons, sliders, dials and other elements of your GUI while determining colors and calculating x/y coordinates can be very time-consuming. GDD X enables the development of GUIs in a "What You See Is What You Get" (WYSIWYG) environment, and saves valuable design time by automatically generating the C code needed for the user interface. With GDD X, a highly effective GUI can be created to improve the customer experience for applications in the **automotive** (e.g., numeric, gauge or infotainment displays), **industrial** (e.g., operator touch-screen interfaces), **home-appliance** (e.g., coffeemakers, refrigerators, cook tops, microwave ovens), **consumer-electronics** (e.g., home automation, alarms and learning toys) and **medical markets** (e.g., bedside monitoring or medical lab analysis equipment).

GDD X enables development using Microchip's Graphics Library, and can be used as a stand-alone tool or as a plug-in to Microchip's free [MPLAB® X Integrated Development Environment \(IDE\)](#). It allows the creation of a project with configurable display resolution, and imports all the required driver/board support files into MPLAB X. Generated code can be compiled and tested on hardware. Key improvements to the original GDD include: thumbnail view of screens and snap-to-grid feature, cut/copy/paste, auto object align, and event handling, as well as palette support for 1-, 4-, and 8-bits-per-pixel (bpp) color modes.

"With GDD X, Microchip is bringing together key components of the graphical user interface on 16- and 32-bit hardware platforms in an easy-to-use graphics development tool," said Sumit Mitra, vice president of Microchip's MCU32 Division. "Developers can drag and drop GUI elements into place, and GDD X creates the C code for their project. This saves a significant amount of development time."

Pricing & Availability

The GDD X is available today via a free download from <http://www.microchip.com/get/85U9>. For additional information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's Web site at <http://www.microchip.com/get/85U9>. To purchase products mentioned in this press release, go to [microchipDIRECT](#) or contact one of Microchip's authorized distribution partners.

Resources

High-res Screenshot Available Through Flickr or Editorial Contact (feel free to publish):

- Product Photo: <http://www.microchip.com/get/TV03>

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About Microchip Technology

Microchip Technology Inc. (NASDAQ: MCHP) is a leading provider of microcontroller, mixed-signal analog and Flash-IP solutions, providing low-risk product development, lower total system cost and faster time to market for thousands of diverse customer applications worldwide. Headquartered in Chandler, Arizona, Microchip offers outstanding technical support along with dependable delivery and quality. For more information, visit the Microchip website at <http://www.microchip.com/get/T2DT>.

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