



## Amulet Technologies, LLC

GUI Engines for Embedded Systems

Amulet Technologies, LLC  
275 Saratoga Ave., Suite 230  
Santa Clara, CA 95050

Tel: (408) 244-0363  
Fax: (408) 243-5457  
www.AmuletTechnologies.com

## Amulet Technologies Introduces a Revolutionary GUI Processor for Graphic User Interfaces in Embedded Systems

**Partitioned design significantly reduces GUI development time by enabling  
parallel development, quick design changes, and simplified testing**

**San Jose, CA., Embedded Systems Conference, Sept. 25, 2000**— Amulet™ Technologies today introduced its *Easy GUI™ Control Module* for embedded systems. *Easy GUI* provides a simple, cost-effective hardware solution for embedded GUI development. Here's what makes *Easy GUI* revolutionary in the embedded systems world:

- **Dedicated GUI controller**— manages the GUI, interacts with the user, and controls the LCD
- **Processor independent**— interfaces with most microcontrollers (8/16/32-bit and even DSPs)
- **HTML based GUI**— converts from HTML, JPEG, and GIF into small, quickly-executable Amulet  $\mu$ HTML™ pages
- **Replaces traditional GUI library**— No library porting, complex GUI programming, or RTOS required

### Turnkey GUI Solution with Controller Chip at The Core

For simplified product integration, *Easy GUI* comes with a 1/4 VGA, 3.8-inch, monochrome, ultra-bright, backlit display, and a fully-integrated analog touch panel offering full screen usability. The controller board includes a standard RS232 I/O interface and 64K-Bytes of onboard flash memory for storing hundreds of Amulet  $\mu$ HTML™ pages. The *Easy GUI Control Module* secondarily serves as an evaluation kit for Amulet's core technology— the *Easy GUI* controller chip. The chip is fully configurable to interface with a full range of different displays.

## **Breakthrough Technology**

Traditional GUI system software requires the computing resources of expensive 32 bit processors with large memory footprints and high power consumption. In addition, display controller chips can only be programmed by highly skilled programmers. Amulet's *Easy GUI*, however, leverages the power of the internet computing model by using a unique, condensed form of HTML to create Amulet  $\mu$ HTML™ pages. Amulet's patent-pending technology empowers programmers to rapidly create and modify feature-rich user interfaces that do not tax the limited computing resources of the 8 and 16-bit processors used in the bulk of embedded systems applications.

## **HTML without the Web— Not a pc-based web browser**

Because Amulet's chip uses a form of HTML for GUI operations, it is sometimes confused with a PC-based web browser. While similar in philosophy to the PC-based web browser, the Amulet implementation yields a small integrated circuit designed to browse embedded GUI pages. This removes the burden of GUI execution from the embedded microprocessor, and the task of programming the GUI from the overloaded embedded systems programmer. Powerful web site authoring software sold by Adobe®, Macromedia®, Microsoft® and others can be used to create feature rich user interfaces for any product that contains an embedded microprocessor.

## **Availability and Pricing**

The *Easy GUI Control Module* will be available 4th quarter 2000 at a price of \$399, plus shipping. Orders can be placed online at [www.AmuletTechnologies.com](http://www.AmuletTechnologies.com).

## **About Amulet Technologies**

Amulet Technologies is dedicated to developing integrated circuits that supplant costly software development in embedded systems. The goal is to simplify the development of embedded systems products by applying the distributed client/server model of computing that is fueling the Internet. While the first product delivers on the client side, server side products are also in development. Amulet is also exploring opportunities to apply its know-how to internet connectivity for small embedded internet appliances. Amulet is privately held. Its headquarters are located at 275 Saratoga Avenue, Santa Clara, CA 95050. The company can be contacted at (408) 244-0363, or on the internet at [www.AmuletTechnologies.com](http://www.AmuletTechnologies.com) or email to [support@AmuletTechnologies.com](mailto:support@AmuletTechnologies.com).