



## General Description

Amulet Easy GUI Browser Chip is a special purpose micro controller that is optimized to execute Amulet's GUI kernel and component based GUI firmware. The chip is a combination LCD controller chip and a user interface chip. This chip eliminates the need for complex code to draw each pixel on a LCD. The chip renders GUI pages containing graphic images, Amulet Widgets, and other UI objects directly to the LCD. This lets your embedded micro do it's job more efficiently. Thus, the main application can run on a smaller processor with less RAM and ROM, and code development and maintenance time is significantly reduced.



## Features

- **Dedicated GUI Chip** - Manages the GUI, Interacts with the user, and controls the LCD – Frees up your Micro!
- **HTML-Based GUI Creation** – Create and edit Quickly using drag-and-drop HTML tools
- **Compiler Included** – Converts from HTML, JPEG, and GIF into small, quickly-executable Amulet HTML pages
- **Processor Independent** – Easily interfaces to Most micro controllers (8/16/32-bit and DSPs)
- **Replaces Traditional GUI Library** – No Library porting, complex GUI programming, or RTOS required
- **RS232 Interface** – Up to 115,200 bps

## Requirements

- 3.3V Power Supply
- Serial Flash (Atmel 4 Megabit recommended)
- Asynchronous SRAM (128Kx8 Minimum)
- Clock/Crystal (up to 20 MHz.)

## Typical Circuit Block Diagram



























