

# Amulet Technologies

## Resistive 4.3" GEMmodule™

### OVERVIEW

Amulet's Resistive 4.3" GEMmodule™ allows embedded product manufacturers to implement a smartphone-like Graphical User Interface in record time, regardless of the size and speed of their microprocessor. The production ready module can be programmed using GEMstudio™ Pro, the most flexible GUI development software in the embedded space. Customers can design great looking GUIs in days or weeks, and make changes any time to get the look and feel that is just right for their products.

### Module Components:

- 4.3" TFT LCD (480x272) with White LED Backlight
- Integrated Resistive Touch Panel
- Controller Board with Amulet's Graphical OS Chip™
- On-Board Memory -32Mb Serial Flash for Storing GUI Pages



### Features

- Quick and flexible GUI design with GEMstudio™ Pro software development tool
- Color Depth - up to 24bit + 8bit alpha
- Graphics supported include: GIF, JPEG, PNG, and more
- 4 pin interconnect for serial interface(s) - USB, 3.3vUART, RS232

### Benefits

- Add a great looking GUI to an embedded application regardless of host microprocessor size or speed
- Complete your projects in days, not years and make changes in minutes, not months
- Offload processing power from your host micro, no matter what size
- Avoid royalties with Amulet's Graphical OS



## Module Specifications:

Part Number	MK-043R
Display Type	4.3" WQVGA TFT LCD Display
Display Resolution	480 x 272 (WQVGA)
Backlight Type	24 White LED
Backlight Control	PWM
Viewing Angle	12 o'clock
Operating Temperature	-20°C to 70°C
Power Requirement	5Vdc (±.25v) @ 300mA
Communication Type	Amulet Protocol via 3.3V UART, USB, RS232
Data Rate (BAUD)	9,600/19,200/57,600/115,200 bps
Development Kit Available	STK-043R



### Want More Information?

Call or email us today! Also visit us on the Web at [www.AmuletTechnologies.com](http://www.AmuletTechnologies.com) for the latest data sheets, programmer's guide, software updates and more.

Amulet Display Modules are available through Amulet franchised distributors. Visit our website for direct "order now" links.

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