

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



### Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







# **Amulet Technologies**

## 7" Resistive GEMmodule™



#### **OVERVIEW**

Amulet's Resistive 7" GEMmodule™ is a production ready solution that allows embedded product manufacturers to implement a great looking Graphical User Interface in record time, regardless of the size and speed of their microprocessor. The module can be programmed using GEMstudio™, the most flexible GUI development software in the embedded space. Customers can create and modify their GUI at any time, allowing for as many design iterations as necessary to get the look and feel that is just right for their products.

#### Module Components:

- 7" WVGA TFT LCD (800x480) with White LED Backlight
- Integrated Resistive Touch Panel
- Controller Board with Amulet's Graphical OS Chip™
- On-Board Memory -64Mb Serial Flash for Storing GUI Pages



#### **Features**

- Quick and flexible GUI design with GEMstudioTM software development tool
- Color Depth up to 24bit + 8bit alpha; for best performance, 8-bit palette is recommended
- Graphics supported include: GIF, JPEG, PNG, and more
- 24 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
- Avoid royalties with Amulet's Graphical OS







### Module Specifications:

Part Number	MK-070R
Display Type	7" WVGA TFT LCD Display
Display Resolution	800 x 480 (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 Kits Available	STK-070R



Call or email us today! Also visit us on the Web at 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.

Campbell, California, USA Sales@AmuletTechnologies.com (408) 374-4956

© 2016 Amulet Technologies, LLC. Amulet Technologies, Amulet Graphical OS Chip and Amulet OnBoard are trademarks of Amulet Technologies, LLC. Protected by US Patent No. 7,100,118 and European Patent No. 1090344; Canadian and Other Patents Pending Disclaimer: The information in this document is provided in connection with Amulet Technologies, LLC (Amulet) products. No license, express or implied, to any intellectual property right is granted by this document or in connection with the sale of Amulet products. EXCEPT AS SET FORTH IN AMULET'S TERMS AND CONDITIONS OF SALE WHERE AMULET IS THE SELLER, AMULET ASSUMES NO LIABILITY WHATSOEVER AND DISCLAIMS ANY EXPRESS, IMPLED OR STATUTIONSY WARRANTY RELATING TO ITS PRODUCTS INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY, PHYMESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. IN NO EVENT SHALL AMULET BE LIABLE FOR ANY DIRECT, (NONSEQUENTIAL, PUNITURE, SPECIAL OR INADIDITY). DAMAGES (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS AND PROFITS, BUSINESS INTERRIPETION, OR LOSS OF INFORMATION) ARISING OUT OF THE USS OF INABILITY OF SUCH DAMAGES. Amulet makes no representations or warranties with respect to the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. Amulet does not make any commitment to update the information contained herein. Unless specifically provided otherwise, Amulet products are not approved for use in automotive applications, medical applications (including, but not limited to, life support systems and other medical equipment), avionics, nuclear applications, or other high-risk applications (e.g., applications that, if they fail, can be reasonably expected to result in significant personal injury or death).