

## MODULE KITS :. 5.7" and 3.8" Monochrome Display Modules



### PRODUCTION-READY DISPLAY MODULES WITH TOUCH



Amulet's monochrome display modules are the fastest route to production. All the parts to drive the LCD are built in, including Amulet's revolutionary Graphical OS Chip™. A fully integrated, drop-in solution is ideal for OEMs when time to market is crucial and/or in-house design resources are limited. The Amulet Modules are perfect for applications in markets such as Test & Measurement, Industrial Controls, Building Automation and Home Automation.

#### Production-Ready Modules Provide:

- :. 5.7" or 3.8" QVGA Monochrome Display
- :. Integrated Touch Panel
- :. Integrated Digital Backlight & Contrast Control
- :. Royalty-FREE Operating System

#### Built-In GUI Operating System

Amulet's Graphical OS Chip™ is a single chip that includes all of the hardware and software required to turn an LCD and touch panel into a user interface. Embedded in the Graphical OS Chip™ is a complete graphical operating system that executes GUI applications built in dynamic HTML. The graphical OS was designed specifically for embedded applications that require dynamic and responsive user interfaces that are equally robust and crash proof.



**Amulet**  
Technologies  
*Empowering Flat Panel Displays*

## 5.7" Amulet OnBoard™ Modules



**MK-AOB3202405B**  
(STN Negative, Blue, Transmissive)



**MK-AOB3202405N**  
(FSTN Negative, Transmissive)



**MK-AOB3202405T**  
(FSTN Negative, Transflective)

Amulet OnBoard™ (AOB) modules are fully integrated display solutions ready for production. The Graphical OS Chip™ and all the other parts to drive the LCD are mounted directly to the back of the display. AOB modules are available in three display types, as shown above.

## Amulet 3.8" Modules



**MK-GT380N**



**MK-GT380T**

The Amulet 3.8" modules are ready for production with the Graphical OS Chip™ and all other parts to drive the LCD mounted to a custom Amulet PCB integrated with the display.

### Module Specifications:

|                                | 5.7" Modules                        | 3.8" Modules                        |
|--------------------------------|-------------------------------------|-------------------------------------|
| <b>Display Type</b>            | 5.7" Graphic Monochrome LCD         | 3.8" Graphic Monochrome LCD         |
| <b>Display Resolution</b>      | 320 x 240 (QVGA)                    | 320 x 240 (QVGA)                    |
| <b>Touch Screen</b>            | Yes                                 | Yes                                 |
| <b>Backlight Type</b>          | Ultrabright White LED               | White LED                           |
| <b>Backlight Control</b>       | Digital Potentiometer               | Digital Potentiometer               |
| <b>Contrast Control</b>        | Digital Potentiometer               | Digital Potentiometer               |
| <b>Viewing Angle</b>           | 6 o'clock                           | 6 o'clock                           |
| <b>Operating Temperature</b>   | -20°C to 70°C                       | -20°C to 70°C                       |
| <b>Temperature Compensated</b> | Yes                                 | Yes                                 |
| <b>Power Requirement</b>       | 5Vdc (±.25v) @ 250mA                | 5Vdc +/- 10% @ 250mA                |
| <b>Memory for µHTML™ Pages</b> | 8 Megabit                           | 4 Megabit                           |
| <b>Communication Type</b>      | Amulet Protocol via UART1           | Amulet Protocol via RS232 or UART   |
| <b>Data Rate (BAUD)</b>        | 9,600/19,200/57,600/<br>115,200 bps | 9,600/19,200/57,600/<br>115,200 bps |

Notes: 1. Production ready RS-232 interface boards available



#### 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 Web site for direct "order now" links.

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