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

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

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www.amulettechnologies.com

Want More Information?
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 Web site for direct "order now" links.

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