

AMULET TECHNOLOGIES Graphical Display Solutions



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Amulet Technologies offers graphical display solutions that include chips and LCD modules. All feature the solutions patented Amulet Graphical Operating System (OS). All offer easy hardware integration path from prototype to production. The chips include a dedicated GUI microprocessor, LCD controller, and graphical library. The GUI is visually created with HTML based development tools for rapidly creating good looking and feature-rich graphical user interfaces (GUI's). Amulet's expertise is graphical LCD integration and control.

Displays

Amulet Technologies



GRAPHICAL OS LCD STARTER KIT - The fastest path for integrating a graphical user interface (GUI) into embedded products

Kits Include:

- Integrated TFT LCD display with white LED backlight
- Integrated touch panel and controller board
- USB PC Interface Cable
- 30-Day Trial of GEMstudio™ GUI, Amulet's embedded graphical user interface (GUI) design tool.



671-STK-480272C
Shown

PRODUCT **NEW**

Use this starter kit to evaluate the GRAPHICAL OS hardware and software, and to create the user-interface for your end product. Then use the module kit, and Graphical OS controller chip to go from prototype-to-production.

MOUSER STOCK NO.	Description	Price Each
671-STK-CY-043	4.3" Capacitive GEMstarter-kit	362.33
671-STK-480272C	4.3" Resistive GEMstarter-kit	299.00
671-STK-070R	7" Resistive GEMstater-kit	399.00

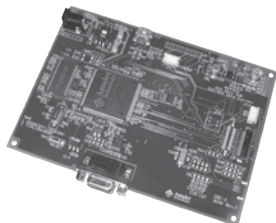


GEMBOARD DISPLAY DRIVER BOARD

GEMboard can support a wide variety and growing list of 5.7" TFT panels. This board includes those unique electro-mechanical features to accommodate the FPC, touch panel and LED backlight for many popular 5.7" displays. The GEMboard also includes the Amulet Graphical Chip, a 32 megabit serial flash for storing GUI pages, a 64 megabit SDRAM, two touch panel connectors as well as two LED backlight connectors to accommodate a variety of 5.7" displays.

Features:

- Amulet AGB75LC04-QU-E 208 PQFP Graphical OS Chip™
- Integrated resistive 4 or 5 wire touch pane; decoder with two touch panel connectors
- Supports LCDs with LED backlight 75mA or 200mA and two backlight connectors locate on backside of PCBA
- Storage Capacity-32megabit Serial Flash (GUI page storage)
- 64megabit SDRAM (frame buffer)
- Serial Interfaces-3.3v UART, USB, RS232
- Kit includes 33 pin conductor flat panel cable
- Auxiliary FPC pad can support a variety of larger panels that use 31 pin conductors.



MOUSER STOCK NO.	Description	Price Each
671-CBC-2	Display Driver Board	189.00



GRAPHICAL OS CONTROLLER CHIPS

Combination LCD Controller and user-interface engine makes it easy to integrate LCD's into embedded products that use 8/16/32-bit micros and DSP's. Replaces traditional LCD controller chip. Eliminates need for complex code to draw each pixel on LCD. Chips render graphical user interface (GUI) pages containing graphic images, widgets, and other UI objects directly to LCD. Works with monochrome, and color displays. Rapidly create GUI using HTML-based development platform. Development software can be purchased separately or comes bundled with the Graphical OS Starter Kit (left).



MOUSER STOCK NO.	Description	Price Each	
		1	5
671-AGB75LC04-QU-E	LCD Controller Chip - Color 208 PQFP	19.90	19.90
671-AGB64LV01-QC-E	LCD Controller Chip - Monochrome	29.99	29.99

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GRAPHICAL OS LCD MODULE KITS - The most complete LCD solution for production

Amulet color modules are production ready GUI solutions that can significantly reduce time-to-market and initial project resource requirements for embedded product manufacturers. Compatible with GEMstudio™, Amulet modules can be easily programmed with smartphone-like Graphical User Interfaces which can be effortlessly updated and modified.

GEMmodules™ Include:

- Integrated TFT LCD display with white LED backlight
- Integrated touch panel
- Controller board with Amulet Color Graphical OS Chip™
- On-board memory -64Mb Serial Flash for storing GUI pages

Features:

- Royalty-free Graphical Operating System™
- Supports foreign language character sets (Unicode)
- Built-in font converter
- Color Depth - up to 24bit + 8bit alpha; for best performance, 8-bit palette is recommended
- Graphics supported include: GIF, JPEG, PNG, and more



671-MK-CY-043
Shown

*NOTE: If purchasing an above unit for evaluation, you will also need to purchase a Program Interface Board (PIB-1). These modules require a 5V power supply (SAD105-SF5C) if you do not already have a 5V power supply.

PRODUCT **NEW**

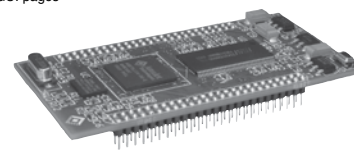
MOUSER STOCK NO.	Description	Price Each	
		1	5
Color Kits			
671-MK-CY-043	4.3" Capacitive WQVGA TFT LCD (480x272) Color Module Kit	279.00	269.00
671-MK-480272C	4.3" Resistive WQVGA TFT LCD (480x272) Color Module Kit	219.00	216.00
671-MK-070R	7" Resistive WVA TFT LCD (800x480) Color Module Kit	307.00	269.00
Monochrome Kits			
671-MK-GT380N	3.8" STN Transmissive with bright-white backlight	240.42	238.52
* 671-MK-AOB3202405T	5.7" Transflective Graphic Display	243.37	243.37
* 671-MK-AOB3202405B	5.7" Blue Transmissive Graphic Display	243.37	243.37



UNIVERSAL TFT/OLED DRIVER PCBA

Features:

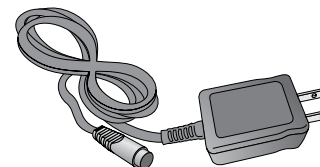
- Amulet AGB75LC04-BG-E 225-ball LFBGA Graphical OS Chip™
- Integrated resistive 4 or 5 wire touch panel decoder
- Small and compact 1.5" x 3.0", fits within the outline of a 3.5" TFT.
- Storage Capacity - Serial Flash for storing GUI pages
- Serial Interfaces - 3.3v UART, TWI, USB



MOUSER STOCK NO.	Description	Price Each	
		1	5
671-GCC-2	GEMexpress TFT/OLED Display Driver Board	120.00	117.00



ACCESSORIES FOR LCD MODULES



671-SAD105SF5C
Shown

MOUSER STOCK NO.	Description	Price Each
671-SAD105SF5C	5VDC Supply for Amulet Modules	12.00
671-UHT-CS1	Amulet Compiler Software	99.00

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