

MONOCHROME CHIP :. AGB64LV01-QC-E



HIGHLY INTEGRATED AMULET GRAPHICAL OS CHIP™ FOR MONOCHROME DISPLAYS

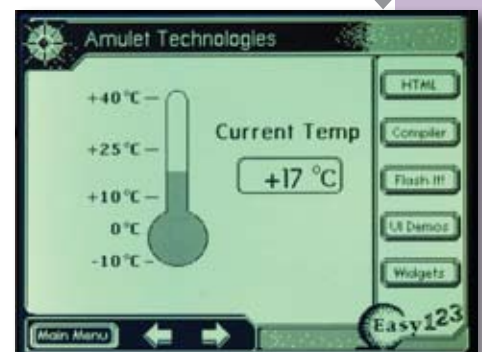
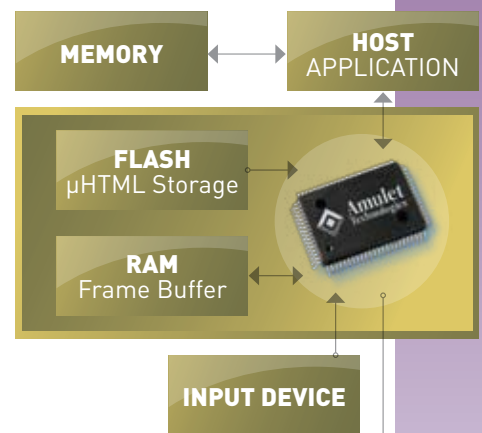


Amulet's GUI processor for monochrome displays enables OEMs and design firms to seamlessly take their products to the next level by implementing visually appealing, interactive GUIs. The Graphical OS Chip™ includes all of the hardware and software required to turn an LCD and touch panel into a user interface. Amulet's monochrome display solution is perfect for many embedded system applications in markets such as Appliance, Industrial Controls, Test & Measurement and Building Automation, which currently have push buttons, knobs and LEDs.

- ∴ Supports Passive Displays
- ∴ Simple UART Interface
- ∴ Supports 4-wire Resistive Touch Panels
- ∴ Drag-and-Drop GUI Creation in Dynamic HTML
- ∴ GIF and JPEG Image, and GIF Animation Support
- ∴ Built-In Royalty-FREE Graphical Operating System
- ∴ Inexpensive Development Tools (CD Included in Starter Kit)

Monochrome GUI Design Made Easy

Embedded in the Graphical OS Chip™ is a complete graphical operating system that executes GUI applications built in dynamic HTML. Developing a GUI in dynamic HTML enables designers to drag and drop user interface elements and see the production-ready GUI on actual hardware before programmers even start writing application code.



Development Tool CD

A development tool CD is included in all Starter Kits or sold separately (UHT-CS1). It contains the Amulet HTML Compiler/programmer, an online documentation manual, a 45-day trial of NAMO (HTML editing software) and Docklight, a test analysis and simulation tool for serial communication protocols.

Using the provided NAMO Web Editor, or any other HTML editor, you can create an HTML-based Graphical User Interface (GUI). The Amulet HTML Compiler is used to transform the HTML based UI into a single compact binary file that is then programmed to the flash memory used by the Amulet Graphical OS Chip™. The online documentation explains how to use HTML to create a dynamic GUI for your embedded product, and offers many sample projects to help get your GUI started. Software is Royalty-FREE in production.

AGB64LV01-QC-E – Electrical and Environmental Specifications:

| Recommended Operating Conditions | |
|----------------------------------|----------------------------|
| Power supply V_{cc} | 3.0V to 3.6V, 3.3V nominal |
| Environmental Specifications | |
| Operating temperature | -20°C to +75°C |
| Storage temperature | -60°C to +150°C |
| DC Specifications | |
| V_{cc} Operating current | 16mA @ 16MHz, 10mA @ 10MHz |
| RoHS Compliant Package Options | |
| 80-pin PQFP | 14mm x 20mm x 2.7mm |

System Parameters:

| | |
|----------------------|---|
| LCDs supported | Monochrome, up to VGA resolution (640x480) |
| Interfaces supported | UART and SPI |
| SRAM | 128Kx8 Minimum |
| Touch Panel Decoder | 4-wire support, calibration, noise filtering |
| Flash | Atmel 4 or 8-Mbit serial data flash recommended |
| Clock/Crystal | Up to 20MHz |



Want More Information?

Call or email us! Also visit us on the Web at www.AmuletTechnologies.com for the latest data sheets, programmer's guide, software updates and more.

The Amulet Graphical OS Chip™ (AGB64LV01-QC-E) is available through Amulet franchised distributors. Visit our Web site for direct "order now" links.

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

Europe
Info@AmuletTechnologies.com
+33 (0)6 3356 1179

Mouser Electronics

Authorized Distributor

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