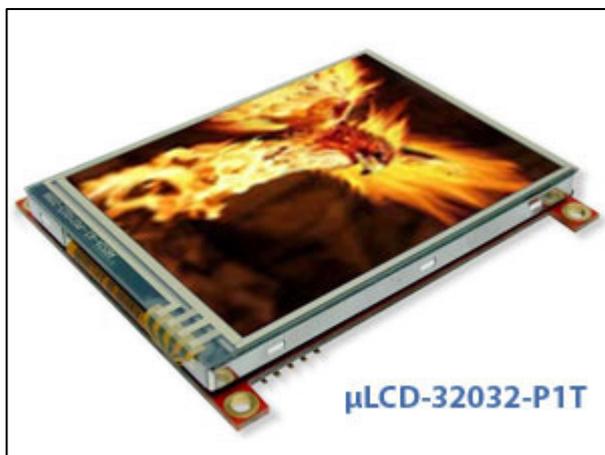


News Highlights – Issue 29:

[4D Systems Introduces 3.2" QVGA Touch Screen Smart Display Module](#)
[Bluegiga Releases New Low Cost Bluetooth Server Product, Access Point 3201](#)
[EDT Offers Fully Featured QVGA Monochrome LCD Module with Polar White Technology](#)
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4D Systems Introduces 3.2" QVGA Touch Screen Smart Display Module



4D Systems, available through [GLYN High-Tech Distribution](#), introduces the **μLCD-32032-P1T**, a 3.2" size cost effective all in one 'SMART' display module using the latest state of the art LCD TFT technology with an embedded **PICASO-GFX** graphics controller that delivers 'stand-alone' functionality to any project. The 'easy to learn and use' 4D Graphics Language (**4DGL**) with its vast built in library functions will allow rapid application development.

4DGL is a graphics oriented programming language, allowing the developer to write applications in a high level syntax similar to popular languages such as BASIC, C, Pascal and run it directly on the PICASO-GFX processor embedded in the μLCD-3202X-P1T module.

4DGL allows the user to take complete control of all available resources on that hardware platform such as the Serial Port, Graphics AMOLED Display, μSD memory card, I/O pins, etc. This eliminates the need for an external host controller/processor to drive the μLCD-3202X-P1T module via serial commands. It provides the user complete control over the hardware module allowing them to quickly develop powerful applications.

The μLCD-32032-P1T module is aimed at being integrated into a variety of different applications via a wealth of features designed to facilitate any given functionality quickly and cost effectively and thus reduce 'time to market'. These features are as follows:

- 3.2" QVGA 240 x RGB x 320 pixel resolution with 256, 65K or 262K true to life colours enhanced TFT screen
- Wide viewing angle
- Module size including PCB: 55.1 x 77.0 x 14.0mm

- Display viewing area: 48.6 x 64.8mm
- Easy 5 pin user interface (VCC, TX, RX, GND, RESET) to any 4D micro-USB module such as the µUSB-MB5 or the µUSB-CE5
- Voltage supply from 4.5V to 5.5V, current @ 90mA nominal when using a 5.0V supply source
- Onboard micro-SD (µSD) memory card adaptor with full FAT16 file support for storing and executing 4DGL programs, files, icons, images, animations, video clips and audio wave files. 64Mb to 2Gig µSD memory cards can be purchased separately
- Powered by the fully integrated PICASO-GFX Graphics Processor (PICASO-GFX chip is also available for OEM volume users)
- Built in extensive 4DGL graphics and system library functions
- 2 x 30 pin headers for I/O expansion and future plug-in daughter boards
- Audio amplifier with a tiny 8 Ohms speaker for sound generation and wave file playback
- Mechanical support via 4 mounting tabs which can be snapped off

For pricing or more information, please send us an email at sales@glyn.com.au.



Bluegiga Releases New Low Cost Bluetooth Server Product, Access Point 3201



Bluegiga releases the world's smallest Bluetooth Access Point for advanced Bluetooth applications.

Bluegiga's successful Access Server product family, available through [GLYN High-Tech Distribution](#), takes a huge step forward as Bluegiga releases the new Access Point 3201 (AP3201) product family. AP3201 enables reliable and secure *Bluetooth* wireless connectivity between devices and networks.

AP3201 utilizes Bluegiga's iWRAP *Bluetooth* software platform together with Bluegiga's Linux distribution, enabling integrators and developers to adapt the device simply into any *Bluetooth* networking application. It is also capable of utilizing Bluegiga Solution Manager (BSM) environment, enabling network managers and administrators to manage, configure and monitor Access Points remotely. This makes the installation and management of medium and large scale systems affordable.

AP3201 is powered with Bluegiga's WT11 *Bluetooth* 2.0/2.1+EDR module that enables more than 150 meters connection range and offers users the most advanced performance. It can be configured with software settings for smaller radio cell coverage for optimum networking topologies and performance. The Access Point has built-in Ethernet interface for Internet connectivity and USB connector for extending the device with extra memory, 3GSM/GPRS or Wi-Fi USB dongles.

AP3201 is available in four different versions: integrated antenna, with external antenna, OEM version without the housing, and custom versions for different software parameters. The device is targeted at *Bluetooth* medical and healthcare applications, *Bluetooth* marketing, Point-of-sale, logistics systems, and audio applications.

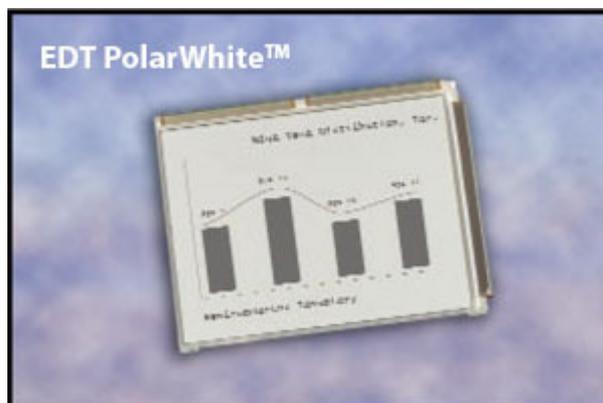
"With our new Access Point product family we bring the Integrators and OEMs our leading expertise in the small form factor, reliability and versatility that the industry has never seen before. AP3201 utilizes Bluegiga's advanced iWRAP *Bluetooth* Interfaces as our extremely successful Access Server product family offering the integrators seamless extension for their existing Bluegiga Access Server networks", comments Tom Nordman, Bluegiga's Vice President of Sales and Marketing.

For more product information, please visit: www.bluegiga.com/access_point-1

For pricing and availability, please send us an email at sales@glyn.com.au.



EDT Offers Fully Featured QVGA Monochrome LCD Module with Polar White Technology



Emerging Display Technology (EDT), available through [GLYN High-Tech Distribution](http://www.glyn.com.au), is currently promoting its EW50793FLWP module QVGA monochrome LCD module for display applications where a bright, white background is needed such as kiosks, bar code readers, medical devices, and handheld devices.

The EW50793FLWP is fully featured with built in graphics controller, DC/DC converter, touch panel option, and is supplied using the EDT patented PolarWhite™ technology. We can also offer a bezel for mounting.

The EW50793FLWP has 320W x 240H dots with a module size of 96.3W x 66.6H x 9.2D mm. Effective area is 78.8W x 59.6H mm with a dot size of 0.23W x 0.23H mm. It is an FTSN transreflective white LCD with front polarizer for antiglare and white LED backlight. Typical brightness is 10 cd/m² with a typical contrast ratio of 5.9. The EW50793FLWP has an Epson S1D13700 controller/driver IC with an 8-bit data bus and 8 control lines for 8080 or 6800 family MCU interface. More details on Epson S1D13700 controller/driver IC is available in this link http://vdc.epson.com/index.php?option=com_docman&task=cat_view&gid=210&Itemid=99

With their breakthrough polarizer technology, EDT's new PolarWhite™ LCDs let you stand out from the crowd with superior contrast for easy viewing and operation, improving overall end-product aesthetics. EDT's PolarWhite™ displays boasts of the following features:

- High contrast, whiter screen
- High aperture ratio to increase contrast
- Standard graphic modules available
- Economical pricing, fast delivery
- Certified to ISO9002 and QS9000

For pricing or more information, please send us an email at sales@glyn.com.au.



Fastrax Releases Track&Trace GPS/GSM/GPRS Platform for Asset Tracking Application

The Fastrax Track&Trace Platform, available through [GLYN High-Tech Distribution](#), is an ideal starting point for any asset tracking application. The



platform includes the uTrace03 telematics module, the uTrace03 Development Board, default Track&Trace Software and the Fastrax Track&Trace Embedded Software Toolkit.

Track&Trace Hardware

Fastrax Track&Trace Hardware is based on the uTrace03 telematics module, which consists of a GPS receiver with an integrated antenna, a GSM/GPRS modem with an integrated quad band antenna and connectors for easy implementation. The Track&Trace platform includes the pre-certified (CE, FCC, PTCRB) uTrace03 Evaluation Kit, which is a complete battery powered tracking device.

The hardware platform also includes the uTrace03 Development Board, which allows immediate development and evaluation of extended customized hardware and software applications without having to wait for the prototypes.

Track&Trace Software

With Fastrax Track&Trace Software common tracking functionality is embedded in the hardware. The default software includes functions like GPS navigation, database for points of interest coupled to route adherence and 4D-geofencing capabilities as well as embedded file system for storing navigation and event logs. The software also handles GSM/GPRS communication, log export, an interface to Fastrax Track&Trace Server for real-time tracking, and power save schemes for different power starved environments. The web-based Fastrax Track&Trace

Server, a demonstration service for tracking assets, is offered free of charge to facilitate testing in real application environment.

Fastrax Track&Trace Embedded Software toolkit is a powerful software development environment for building embedded tracking applications and for modifying existing software features. A significant part of the environment comes as source code, which allows tailoring and optimization of the final application.

Key Features:

- Fastest time to market for asset tracking applications
- Integrated GPS and quad band GSM/GPRS antennas
- Hardware including advance power management, shock sensor, SIM card holder, USB, I/O connector and optional extension connector and battery
- Software including embedded sw toolkit and default functionalities like geofencing, advance logging, scheduler and remote configurability.

For pricing or more information, please send us an email at sales@glyn.com.au.



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