

News Highlights – Issue 37:

[GLYN Introduces EDT TFT Family Concept for Easier Product Designs](#)

[Telit Presents GG863-SR GSM/GPRS Gateway for ZigBee and other Short Range Protocol Stacks](#)

[Special Offer on Univision Low Cost Passive Matrix OLED Displays with EVK](#)

[Fastrax Releases IT350 GPS Receiver Module as Drop-in Replacement for U-BLOX LEA4 and LEA5](#)

[Bluegiga's Bluetooth Health Device Profile Firmware Shipments Started](#)

GLYN Introduces EDT TFT Family Concept for Easier Product Designs



GLYN in close collaboration with Emerging Display Technologies (EDT) have developed a family of TFT displays of various sizes (currently 3.5", 4.3", 5.0", 5.7" and 7") and resolution (from 320x240 to 800x480) that are compatible with one another, have a common interface, and will have long-term availability of up to 7 years to make it easier for our customers to design a product while also enjoying peace of mind regarding continuity of supply. Additional benefits of the TFT Family Concept include modern user interface with touch panel option, flexibility and easy upgrade path, power efficiency with LED backlighting, cost efficiency with a single common interface, and minimised noise level with smart PCB design.

The TFT family consists of TFT displays which have a custom GLYN board on the reverse side to ensure all displays have an identical interface. All of the displays in the family will have LEDs for backlighting which can be easily dimmed using analogue means or via PWM. All signals are also received via one cable and only a single 3.3V is needed to be supplied to the display with all the other voltages to be internally generated in the custom GLYN board.

All modules of this family have the following features in common:

- operating temperature of -20 to 70°C (without touch panel)
- optional touch panel for all modules
- LED backlight
- LED lifetime of 40k hours @ 25°C (definition of lifetime = 50% of initial brightness)
- 40-pin ZIF connector
- all modules have a compatible interface (exception are 4.3" and 7.0" which have no Reset pin)
- 3.3V single supply
- onboard LED driver
- optional bypass of LED driver for direct access to LEDs
- analogue or PWM dimming (no separate wires for backlight needed)
- large dimming range
- integrated touch panel signals on main interface (no separate wires for touch panel needed)
- slim build
- optional mounting lugs for 5.7" modules
- standard CMOS 18-Bit interface (DCLK, HSYNC, VSYNC)
- connection between GND and metal frame which can be opened via a jumper

For more details about the GLYN EDT TFT Family Concept, please send us an email at sales@glyn.com.au



Telit Presents GG863-SR GSM/GPRS Gateway for ZigBee and other Short Range Protocol Stacks



Telit has recently introduced the GG863-SR, an all-in-one gateway solution with a completely innovative approach focusing on data transmission in smart metering systems, home and industrial automation, security, healthcare, urban and landscape markets.

The GG863-SR brings together the GSM/GPRS and short-range technology, hosting programmable GE863-PRO³ and any of the short-range modules from Telit's

wide product offer in a unique cost-saving, fully customized solution.

Thanks to the possibility of choosing among different ISM bands (433MHz, 868MHz, 915MHz and 2.4GHz), protocol stacks (ZigBee, M-bus or proprietary), network topologies (Star, Mesh, 802.15.4/ZigBee) and coverage (from 70m to 4km), time to market and total cost of the final application are significantly reduced.

Full user application supporting all gateway functionalities runs on the ARM9 integrated in the GG863-SR and manages data sending and receiving, set up and other operations related to GSM/GPRS or short-range network and web interface through a dedicated API developed by Telit. The behavior of the gateway can be customized through the embedded Linux complete development environment and dedicated libraries for GSM and short range, thus simplifying integration in a final application.

Gateway application allows direct data exchange between a remote IP Host and each node of the short-range domain, completely transparent to an external IP host, including all short-range functionalities inside the gateway. This approach allows data acquisition and control of all nodes, through an IP-based host application with minimal knowledge about the network. Network management and functionalities are also available on a dedicated web interface. The GG863-SR also includes programmable GPIOs that can be used for monitoring and controlling other external devices and standard mini USB 2.0 port.

All Telit modules support Over-the-Air firmware update by means of Telit Premium FOTA Management Services. Telit is able to update its products by transmitting a single delta file, representing the difference between one firmware version and another.

As a part of Telit's corporate policy of environmental protection, all products comply with the RoHS (Restriction of Hazardous Substances) directive of the European Union (EU Directive 2002/95/EG)

For more details about Telit GG863-R gateway solution, please send us an email at sales@qlyn.com.au



Special Offer on Univision Low Cost Passive Matrix OLED Displays with EVK



Univision, available through [GLYN High-Tech Distribution](#), presents two low cost Passive Matrix OLED monochrome displays which is ideal for products requiring low cost display solutions.

UG-2864ASYCG01 has an active area of 1.54" and 128 x 64 resolution while UG-2832ASYCG01 has an active area of 2.23" and 128 x 32 resolution. Both displays have monochrome colour (yellow), Solomon Systech SSD1305 driver IC and various interfaces (8-bit 68XX/80XX Parallel, 4-wire SPI, I2C). Both displays can also use the same evaluation board UG-2864/2832-EVK.

For a limited time, GLYN is offering a discount deal for the EVK board and either UG-2864 or UG-2832 displays for AU\$25/NZ\$35 + GST.

For more information on these Univision PMOLED displays or to place an order, please send us an email at sales@glyn.com.au



Fastrax Releases IT350 GPS Receiver Module as Drop-in Replacement for U-BLOX LEA4 and LEA5



Fastrax, available through [GLYN High-Tech Distribution](#), is announcing the release of its IT350 GPS receiver module which is a drop-in replacement for U-BLOX LEA4 and LEA5. IT350 is pin-compatible and has same form factor to LEA4 and LEA5.

Compared to LEA4, the IT350 has ultra low power consumption of only 75mW (vs. 120mW), fast cold start due to very high acquisition sensitivity of -143 dBm (vs. -142dBm), uses the latest technology SiRFstarIII chip GSC3f/LPx (vs. previous generation Atmel chipset in LEA4), and lower price than LEA4.

The IT350 has the following additional features:

- Size 22.4 x 17.0 x 2.3mm (equals LEA4/5, height 3.0mm)
- Uses SiRF GSC3f/LPx with embedded 4Mbit flash
- Antenna bias short detection (disables bias if low)
- Antenna bias supervisor (OK, SHORT, OPEN)
- 75mW power consumption
- Main supply VCC @ +3.0... +3.6V
- Backup supply V_BCKP @ +1.5V... +3.6V

For more information on Fastrax IT350 GPS receiver module, please send us an email at sales@glyn.com.au



Bluegiga's Bluetooth Health Device Profile Firmware Shipments Started



Bluegiga Technologies, available through [GLYN High-Tech Distribution](#) announces the availability of the Bluetooth Health Device Profile (HDP) firmware. HDP has been integrated into Bluegiga's existing iWRAP firmware platform to provide simple to use and reliable user interface for building various medical and health

applications.

The beta firmware implements both HDP source and HDP sink modes, so it can be used to pilot and build end-to-end solutions. The firmware also includes the following benefits of Bluetooth Health Device Profile:

- Medical, Healthcare and Fitness Applicability
- Wireless Service Discovery
- Reliable Connection-oriented behavior
- Reliable Control Channel
- Support for Flexible Data Channel configurations
- Application-level Interoperability
- Efficient Reconnection mechanism
- High resolution clock synchronization
- Optimized for devices with low resources

The firmware, at the moment, does not implement any of the IEEE 11073-20601 layers, but Bluegiga offers a C reference implementation, which can be ported to various systems.

Customer can requested the firmware for evaluation from here:

http://www.bluegiga.com/hdp_contact_form.

The beta version has not been Bluetooth qualified. Bluegiga also keeps the right to do any changes to the beta firmware if considered necessary.

For more information, please visit <http://www.bluegiga.com/Healthcare> or send us an email at sales@glyn.com.au



For more information about GLYN Ltd products, please visit our website at www.glyn.com.au

To **unsubscribe** to this newsletter, click [here](#).

GLYN Ltd (Australia and New Zealand) is a high-tech solutions provider and the exclusive distributor for a select range of semiconductors and electronic component manufacturers from Japan, Europe, USA and Taiwan. We are the sister company of GLYN GmbH (Germany) which has sales offices throughout Central Europe, Scandinavia and the UK.

GLYN represents some of the major brands in the industry such as Mitsubishi Electric, Fujitsu, Mitsubishi Materials, Micronas, Telit, Jennic, Maxwell, Fastrax, Cyan, FTDI, Bluegiga, Yitran, Sierra Monolithics, Isahaya Semiconductors, AUO, Univision and CMEL OLED and EDT LCD displays. Through our extensive network of suppliers we can also source those hard to find or obsolete items from a range of the world's premier semiconductor suppliers including Renesas, Toshiba, NEC, NEC-Tokin, Sony, Seiko Instruments, Yamaichi, Suyin, ICSI, Wavecom, Infineon, and Displaytech.