

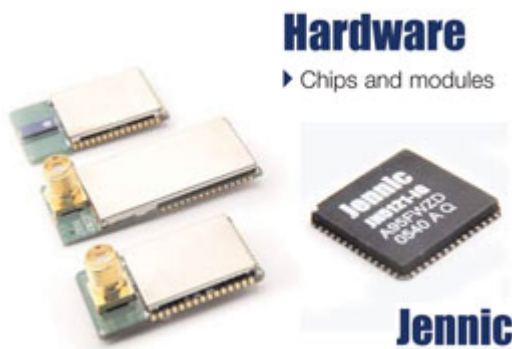
News Highlights – October 2006:

[JENNIC Wireless MCU & Network Stack now part of a ZigBee Compliant Platform](#)
[World's Smallest GSM / GPRS Module from TELIT Poised to Conquer the American m2m Market](#)

New GLYN Line Card (see attached file)

JENNIC Wireless MCU & Network Stack now part of a ZigBee Compliant Platform

ZigBee compliant platforms mean Jennic's modules can co-exist with others on a network and allow developers to build interoperable ZigBee products



Jennic, available from [GLYN High-Tech Distribution](#), has announced that its chips, modules, stacks and development kits now form part of a ZigBee compliant platform. The company's products were tested by TUV Rheinland Group and have been considered ready for use out of the box by developers building products for wireless sensor networks based on the ZigBee standard.

Jennic, headquartered in the UK, is a semiconductor company leading the wireless connectivity revolution into new applications. Its expertise in systems and software combined with world class RF and digital chip design provides low cost, highly integrated silicon solutions for the low power short range wireless data market with a focus on the IEEE802.15.4 and ZigBee standards.

Compliance signifies that Jennic's products meet the ZigBee specification, giving developers the confidence that the products they are using can co-exist with other products on the wireless network. Once developers have incorporated a ZigBee compliant platform into their designs, they can then apply for certification of their own products to ensure interoperability with products from other manufacturers.

"Achieving compliance means we have become part of a growing list of platforms that customers can choose from when they are developing their next product. Our aim is to differentiate our offering from the others by giving them an out-of-the-box experience that's better than any other. We believe we can address this by making it easier for developers to get going with their product design such as having a single-chip product, the right APIs (application programming interfaces), easy to understand user guides and support, and availability of the network stacks online.", according to Jennic.

Within Jennic's ZigBee compliant platform is the JN5121 wireless microcontroller and the software stack. The JN5121 is a highly integrated low power, low cost IEEE802.15.4 compliant device combining on-chip 32-bit RISC core, fully compliant 2.4GHz IEEE802.15.4 transceiver, 64Kb ROM and 96Kb of RAM, and a range of peripherals enabling a versatile low cost solution for wireless sensor networking applications. The developer kit using this controller and stack was recently made available from Jennic's web site along with full network stack and associated support documentation and user guides.



World's Smallest GSM / GPRS Module from TELIT Poised to Conquer the American m2m Market



[Telit Communications](#) (available from [GLYN High-Tech Distribution](#)), a leading international mobile technology innovator, announced that it has been awarded PTCRB (PCS Type Certification Review Board) certification for its GE864 module. With this certification, the world's smallest quad-band GSM/GPRS module has cleared the last regulatory hurdle for use in the North American market. PTCRB certification is a regulatory requirement needed in order to sell GSM cellular communication products in the North American market.

Telit Wireless Solutions, Inc. develops, produces and markets GSM/GPRS modules and solutions for machine-to-machine communication (m2m). Their technology provides the basis for machines, equipment or vehicles to interface with each other via mobile communications networks. The GE864 allows m2m communications to move into application areas where module size is a critical issue. The GE864 is ideal for wearable devices and consumer-oriented location-based services, among others.

Due to its external dimensions of just 30 x 30 x 2.8 mm and a weight of seven grams, the GE864 is especially ideal for applications where a sub-compact form-factor is required. With the GE864, Telit becomes the world's first and only module manufacturer to offer a GSM / GPRS module with a ball grid array (BGA) installation concept.

BGA is based on tiny solder balls placed on the underside of a module which allows for direct mounting to the application circuit board, without the need for plugs, cables, or connectors. The module can now be assembled using an automated pick-and-place assembly for standard SMD components. This not only reduces material costs, but also installation time and assembly costs. The board-to-board BGA mounting is extremely stable and reliable. Together, the compact shape and reduced assembly costs are crucial advantages for use in cost-sensitive applications, such as those for the consumer market. The GE864 is the market's only module viable for very large scale production in this category.

"This certification proves that our modules meet and exceed the necessary requirements for North America, which is one of the fastest growing GSM markets in the world," said Roger Dewey, President and CEO of Telit Wireless Solutions, the US-based m2m mobile technology arm of Telit Communications. "With PTCRB certification, Telit is primed to be the module vendor of choice in North America."

This seal of approval from the CTIA industry association ensures products satisfy the requirements of the American Variants of the GSM / GPRS network standard. To receive certification, devices must exhibit US-specific features such as Adaptive Multi Rate (MR) and 850 /1900 MHz frequency bands. Testing is carried out by an accredited testing lab.

Telit's modules, because they are quad-band devices, can be used all over the world where GSM/GPRS coverage is available. The quad-band capability of the GE864 with its virtually global regulatory compliance means that applications that have been developed for special vertical segments in the European market can be marketed to these verticals worldwide.

There are at least ten times more machines, equipment, vehicles and robots than there are humans in the world, creating a critical need to transfer information efficiently between

machines or from machines to humans. The relatively new m2m industry delivers increased efficiency, time savings, improved customer orientation and greater flexibility.



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