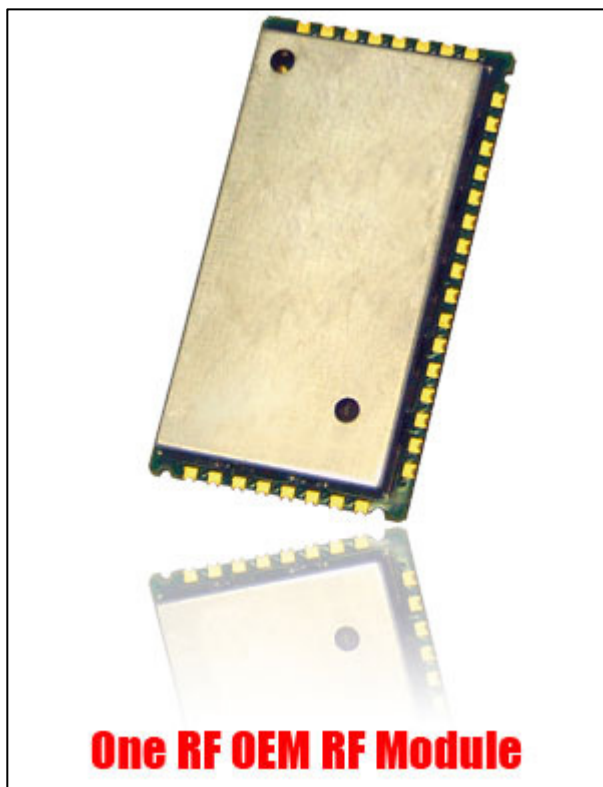


News Highlights – Issue 27:

- [One RF Technology ISM Band & ZigBee Radio Products Now Available from GLYN](#)
- [AverLogic Offers Network Video Server Module](#)
- [GLYN Introduces EZ864 PRO GSM Terminal with PIC Microcontroller](#)
- [First 32-bit ZigBee PRO Wireless Microcontroller from Jennic](#)

One RF Technology ISM Band & ZigBee Radio Products Now Available from GLYN



[One RF Technology](#) of Sophia Antipolis, France has recently signed up [GLYN High-Tech Distribution](#) as its exclusive distributor in Australia and New Zealand. One RF is a company focused on designing and developing low-power and high-performance ISM radio solutions for wireless data transmission systems.

One RF Technology offers its customers a wide range of OEM RF modules, wireless radio modems and custom RF design services. One RF Technology radio solutions operate in the license free 433 MHz, 868 MHz, 915 MHz and 2.4 GHz ISM frequency bands.

One RF Technology develops its own in-house firmware with multiple protocol modes, from simple point-to-point transmission to long-range low-power mesh networking, allowing reliable data transmission even for battery operated applications. The company provides radio solutions using

the emerging ZigBee™ standard and has recently certified an up-to-date ZigBee Compliant Platform. The One RF Technology firmware can even be customized to meet any specific needs. The company provides consulting services in RF technology.

One RF products include:

OEM RF Modules

Module Type	Frequency	Range	Radio Data Rate	Output Power
TinyOne ZigBee ZCP Modules	2.4 GHz	70 m	250 Kbps	1 mW
µTinyOne ZigBee OEM RF Modules	2.4 GHz	70 m	250 Kbps	1 mW
TinyOne Lite OEM RF Modules	433 MHz	500 m	up to 100 Kbps	up to 10 mW

TinyOne Lite OEM RF Modules	868 MHz	500 m	38.4 Kbps	up to 10 mW
TinyOne Classic OEM RF Modules	868 MHz	700 m	9.6 Kbps	5 mW
TinyOne Plus OEM RF Modules	868 MHz	1500 m	38.4 Kbps	25 mW
TinyOne Pro OEM RF Modules	868 MHz	4000 m	40 Kbps	500 mW
TinyOne Pro OEM RF Modules	915 MHz	4000 m	38.4 Kbps	500 mW
IntegraOne OEM RF Modules	433 MHz	1000 m	38.4 Kbps	10 mW
PowerOne OEM RF Modules	868 MHz	16000 m	9.6 Kbps	25 to 500 mW
PowerOne OEM RF Modules	915 MHz	16000 m	9.6 Kbps	25 to 500 mW

Radio Modems

Radio Modem Type	Frequency	Range	Radio Data Rate	Output Power
TinyOne Pro radio modems	868 MHz	4000 m	38.4 Kbps	500 mW
TinyOne Plus radio modems	868 MHz	1500 m	38.4 Kbps	25 mW
TinyOne Plus USB Dongle modems	868 MHz	1500 m	38.4 Kbps	25 mW
TinyOne Lite USB Dongle modems	868 MHz	300 m	38.4 Kbps	10 mW
IntegraOne radio modems	433 MHz	1000 m	38.4 Kbps	10 mW
PowerOne radio modems	868 MHz	16000 m	9.6 Kbps	25 to 500 mW
PowerOne radio modems	915 MHz	16000 m	9.6 Kbps	25 to 500 mW

Demo Kits with Development Tools are available for testing and to help with the integration into the final application.

For detailed technical data, please visit One RF website at www.one-rf.com.

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



AverLogic Offers Network Video Server Module



AverLogic, available through [GLYN High-Tech Distribution](#), is now offering its Network Video Server module capable of streaming real-time audio/video over the Internet and enables system designers to quickly develop a Network Video Server, or IP Camera by using MPEG-4 technology. It transmits the configurable MPEG-4 compressed video and audio streaming data with TCP/IP protocol through Ethernet, Power line or WiFi to remote receivers. Moreover, the compact size design, 42x42x25mm (LxWxH), makes the integration easily. "Jump to Digital" is simple to analogue camera manufacturers when integrating this module into their housing.

The NVS module accepts NTSC or PAL composite signal input and uses AverLogic's AL240 video decoder. Audio input is also supported with video and audio compression achieved using AverLogic's AL9V576B MPEG Encoder. The module uses an ARM9 RISC MUC running on embedded Linux and has a built-in embedded web server which can interface with browsers like IE 6.0 and above.

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



GLYN Introduces EZ864 PRO GSM Terminal with PIC Microcontroller



GLYN introduces the EZ864 PRO GSM terminal with Microchip PIC18F67J10 microcontroller as a turnkey solution for machine-to-machine (m2m) applications. The EZ864 Pro incorporates Telit's GC864 module which handles all GSM processing for both signal and data, operating at quad band GSM 850/900/1800/1900MHz. The PIC18F67J10 contains 128Kbytes of Flash and 3936 bytes of RAM, and is supported by an external 256Kbit of serial EEPROM

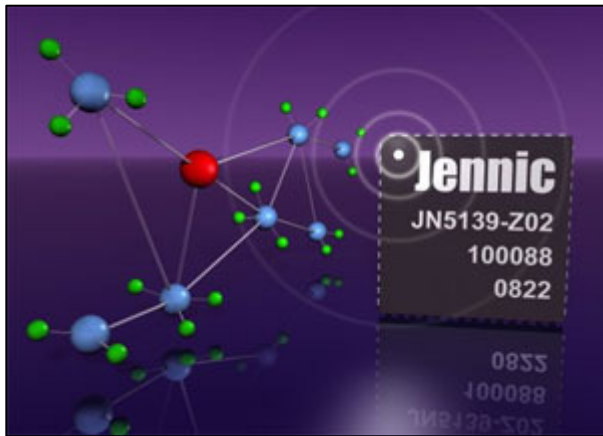
and a dedicated 3.3V LDO power supply. The microcontroller can turn off the DC/DC power supply to the GC864 module and can work on very low energy mode on the 3.3V LDO power supply. For extra low energy the microcontroller can go to sleep mode, enabling the microcontroller to run on 1mA power consumption.

The terminal has single supply voltage (5V to 30V), metal casing, SMA GSM antenna connector, SIM card holder, RS232 9pin female SUB-D type connector, 4 GPIO inputs, one internal relay, and RoHS and WEEE Directives compliant. The serial interface of the EZ864 PRO Terminal is intended for the communication between the GSM module and the host application. This RS-232 interface is a data and control interface for transmitting data, AT commands and providing multiplexed channels.

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



First 32-bit ZigBee PRO Wireless Microcontroller from Jennic



Jennic, through [GLYN High-Tech Distribution](#), announces the introduction of a ZigBee PRO software stack to run on its JN5139 32-bit single chip wireless microcontroller. Both embedded single chip and co-processor configurations are supported, allowing designers of industrial automation, energy metering and home or building control applications to create highly-integrated, cost-effective products.

When operating as an embedded single chip the software stack and processor provide a high performance, feature-rich implementation that supports both the ZigBee PRO protocol and the user's application. As a co-processor, it allows ZigBee PRO networking functionality to be easily added to existing designs and applications. To accelerate time to market ZigBee PRO is also offered with Jennic's comprehensive range of FCC and ETSI certified modules, removing RF design complexity.

Jennic's JN5139 32-bit wireless microcontroller combines the ZigBee PRO stack with significant internal memory resources and power management for minimising energy consumption. The microcontroller features 192kBytes of on-chip ROM for the IEEE802.15.4 MAC and 96kBytes of RAM for application software. It also integrates on-chip UARTs, SPI and 2-wire serial (I2C) interfaces, general purpose I/O (GPIO), timers, a 12-bit ADC, DAC and comparators, whilst power consumption is maintained below 5uA in low-power sleep mode. The integrated 2.4GHz, IEEE802.15.4-based transceiver supports a 100dB link for indoor communication over 30-50m, as well as secure 128-bit AES encryption.

Demonstrating at the European ZigBee Developers' Conference in Munich (24th-25th June), sampling in July with general availability of the evaluation kit planned for October 2008.



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

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