

**Hope RF - New Franchise at NuVision**



**Making Wireless Simple**

Since its foundation in 1998, Hope Microelectronics Ltd has become one of the most successful designers and manufacturers in digital sensor, RF IC, RF discrete devices and related application solutions.

The product range consists of:

**RF IC & Modules**

- RF Transmitter
- RF Receiver
- RF Transceiver

**RF Components**

- RF Wideband Transistor
- Mosfet
- SAW filter/resonator

**Digital Sensor**

- Barometer Sensor
- Absolute Sensor
- Relative Sensor
- SOI Sensor
- Humidity Sensor
- Compass

See [www.hoperf.com](http://www.hoperf.com) for further details

**RFM50 Wireless Transceiver MCU Module**

- Available in 315, 433, 868 & 915MHz
- +20dBm Transceiver with 64K 8051 embedded MCU
- -121dBm Sensitivity
- Ultra Low Power
- FSK, GFSK, ASK/OOK



**RFM22B Transceiver Module**

- Available in 315, 433, 868 & 915MHz
- +20dBm Transceiver
- -121dBm Sensitivity
- Ultra Low Power
- FSK, GFSK, ASK/OOK
- DIP & SMD Modules

**Roving Networks - New Franchise at NuVision**



**Bluetooth & Wi-Fi**

Roving Networks designs & manufactures ultra-low power embedded Bluetooth and WiFi modules and products. We have customers worldwide creating innovative wireless systems using our wireless modules.

Roving Networks has created Bluetooth modules that provide data communication between your hardware and the iPhone or iPad. These modules support discovery, pairing and manage the authentication process with Apple devices, simplifying your product design, and shortening your time to market.

The product range consists of:

- WIFI MODULES
- WIFI SERIAL ADAPTERS
- BLUETOOTH MODULES
- BLUETOOTH SUPER MODULES
- BLUETOOTH SERIAL ADAPTER
- BLUETOOTH USB DONGLE
- BLUETOOTH SENSORS

See [www.rovingnetworks.com](http://www.rovingnetworks.com) for further details



**Energy Micro Announces Giant Gecko and EFR Radio Family**

Announcing New EFM32 Family  
USB and up to 1 MB Flash

[Click here for more information...](#)

**EFM32 Giant Gecko Microcontrollers**

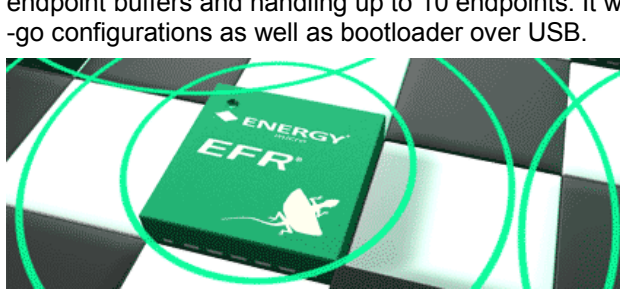
Energy Micro®, the energy friendly microcontroller company, has announced details of its energy friendly EFM32 Giant Gecko family of ultra low-power microcontrollers.

**What is the Giant Gecko?**

The devices in the 32-bit Giant Gecko (GG) family are the world's most energy friendly microcontrollers and will provide Flash memory configurations up to 1024KB with the added option of embedded USB connectivity. All Giant MCUs include the autonomous, low energy peripherals found in the Gecko family, like AES encryption, Pulse Counter, Low Energy UARTs in addition to the brand new Low Energy Sensor interface LESENSE and on-chip Operational Amplifiers. Package options include QFN64, QFP100 and BGA112.

**Why Giant Gecko?**

In line with its existing Gecko microcontrollers design philosophy, Giant Gecko MCUs target energy sensitive applications with high memory requirements and connectivity requirements. The USB connectivity option will be USB2.0 compliant at full speed (12Mbit/s), integrating 2KB endpoint buffers and handling up to 10 endpoints. It will provide support for USB host and on-the-go configurations as well as bootloader over USB.



**EFR4D Draco**  
... the world's most energy friendly radios

**What is EFR?**

The EFR® family is a range of low power RF transceiver products covering multiple frequency bands and supporting both standard and proprietary wireless protocols.

**World class energy consumption**

- Continuous RX mode: 4 mA
- Energy friendly TX modes: 5 mA (0 dBm @ 868 MHz), 6 mA (0 dBm @ 2.4 GHz), 14 mA (+10 dBm @ 868 MHz)
- System On Chip with ARM Cortex-M0 processor
- Up to 256 KB Flash memory

**World class radio performance**

- 169/315/433/868/915/950/2400 MHz
- (G)FSK/4(G)FSK/MSK/O-QPSK/BPSK/OOK/ASK
- Sensitivity: -121 dBm (FSK 1.2 kbps), -110 dBm (FSK 38.4 kbps), -101 dBm (O-QPSK 250 kbps), -95 dBm (GFSK 1 Mbps)
- Max output: +17 dBm @ 868 MHz, +8 dBm @ 2.4 GHz
- Max data rate: 4 Mbps

**When can I get EFR?**

A complete family of Energy Micro RF products is planned for launch in Q4/2011

See [www.energymicro.com](http://www.energymicro.com) for more details

**Silicon Labs expands Timing portfolio**

**Introducing the SpectraLinear Clock Portfolio**

**Large family of affordable clock generators and clock buffers**

- Customizable 1 to 4 output LVCMOS clock generators
- Customizable 5+ output LVCMOS clock generators
- PCI express Gen 1/2/3 clock generators and fanout buffers
- Intel x86 compliant clock solutions
- General purpose LVCMOS zero-delay buffers (ZDB) and fanout buffers
- TCXO fanout buffers

**Optimized for consumer, embedded and communication applications**

- Low power
- Small size
- Wide range of EMI and RFI reduction capabilities
- Minimized system BOM cost and complexity

**Improved customer time to market through factory customization**

- Two week lead time for custom samples

**Combined portfolios enable one-stop shopping**

See [www.silabs.com](http://www.silabs.com) for more details



**Silicon Labs Expands Timing Portfolio**

To subscribe: Send return e-mail with "Subscribe" in Subject line  
To unsubscribe: Send return e-mail with "Unsubscribe" in Subject line

Thanks & Regards

Rob McMaster  
NuVision Electronics CC  
[rmcmaster@nuvisionelec.co.za](mailto:rmcmaster@nuvisionelec.co.za)  
<http://www.nuvisionelec.com>  
Skype: robmcmaster1  
(T) +27 11 894-8214  
(F) +27 11 894-5387  
(M) +27 82 904-9561