

Release No. CL-392-P

For more information:Readers call your local CEL Sales office, numbers are listed at www.cel.com**CEL's newest ZigBee Radio Module features Texas Instruments™ transceiver platform**

Santa Clara, CA — March 28, 2008 — California Eastern Laboratories has added another transceiver platform to its growing family of ZigBee/IEEE 802.15.4 radio modules. CEL's new **Matrix** module is based on the *Texas Instruments™ CC2430* transceiver platform and joins CEL's Freescale™-based modules in providing a fully-integrated, drop-in ZigBee radio solution.



Designed for low cost, low power networks, Matrix modules are ideal for home and building automation, industrial control, security, and remote sensor applications. Output power can be configured up to 10mW, enabling performance to be optimized for specific applications. Since they're limited to 10mW, Matrix modules are ideal for regions where regulatory agencies limit transmission power.

The module measures just 23 x 29mm, so it requires very little real estate. An integrated antenna helps to reduce total system costs, while an integrated ADC allows direct connection to analog sensors. Modules ship with *point-to-point* and *point-to-multipoint* software, which streamlines development and gets you quickly to market. Best of all, Matrix modules are FCC, IC and CE certified, eliminating the time-consuming, uncertain, and often costly certification process.

Matrix Evaluation Kits provide two modules mounted on self-contained interface boards. These boards can be optionally battery-powered enabling developers to create and test network connections under real-world environmental conditions. Matrix Evaluation Software is also included in the kits. Its easy-to-use GUI interface makes it simple to configure the modules' settings: transmission channel, network ID, node ID, transmission power, send and receive packets; and determine packet error rates.

Matrix modules and Evaluation Kits are in stock and available worldwide, both from CEL and through CEL's representatives and franchised distributors.

The Matrix module was developed by CEL and its design partner LS Research. LSR is an acknowledged leader in the development of new products for the wireless market. The company provides hardware and software design services, as well as safety certification.