



RFID *e* NEWS

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Strategic Relationships in Access Control Market with Lenel, Zebra, Fargo, and Secura Key

Texas Instruments RFid Systems (TI-RFid) announced strategic relationships with Lenel Systems International, Zebra Technologies, Secura Key, and Fargo Electronics at the American Society for

Industrial Security (ASIS) International trade show in September. At the show, TI demonstrated the capabilities of its 13.56 MHz ISO 15693 access control products, as well as the integration of its technology with security solutions from these companies.

Lenel Systems, a global innovator and technology leader in the security industry, will resell TI's new line of 13.56 MHz RFID vicinity cards and readers for access control applications under the Lenel brand name. Lenel will sell TI-RFid cards and readers as part of its Total Security Knowledge Management Solutions™, a comprehensive range of security solutions that enable customers to maximize their IT and infrastructure investments and effectively manage people, property, and assets.

Zebra Technologies, a worldwide leader in bar code labeling and card printing solutions, will collaborate with TI to develop advanced access control solutions integrating TI's new line of 13.56 MHz RFID vicinity cards and readers with Zebra's Eltron-brand plastic card printers. The

alliance between TI and Zebra's card printer business unit is an extension of an ongoing relationship to develop new RFID-enabled solutions. Zebra plans to introduce a new model Eltron P320i card printer integrating TI's 13.56 MHz vicinity card encoding/programming capability by the end of 2002.

Fargo Electronics creates innovative printing systems that personalize plastic identification cards, complete with digital images and text, lamination, and electronically encoded information. TI is working with Fargo on an RFID-enabled PVC card printer/encoder and has joined the Fargo Technology Alliance, a global technology group that promotes smart card solutions.

Secura Key, a manufacturer of access control solutions, and TI are working to establish interoperability between their 13.56 MHz card and reader solutions that meet the ISO 15693 vicinity card standard for access control applications.

For the complete text of each news release, please visit the TI-RFid Web site www.ti-rfid.com.

ACG Identification Technologies Develops 13.56 MHz Reader Module

Germany-based ACG Identification Technologies has developed a new 13.56 MHz reader module that uses TI-RFid Systems' Multi-Protocol Transceiver IC. The Multi-Protocol Transceiver IC is a building block of RFID functionality for OEM product design engineers and systems integrators developing smart label readers. It combines RF

communication and signal detection capabilities into a cost-effective single chip design. The new ACG reader measures 30 mm x 25 mm x 4 mm, uses a low power consumption of up to 5V and allows a read distance of up to 15 cm depending on the application. ACG's OEM reader module also integrates triple DES security, EEPROM firmware, Wiegand and OMRON interfaces. The product supports Windows, Linux and UNIX operating systems. A plug and play version of the reader is also available. The new ACG reader is compliant with both the ISO 15693 and ISO 14443 A/B standards. The company is targeting RFID applications in access control, ticketing, retail POS, vending, supply chain and logistics and data storage.

Amusement Park Patrons "Play and Pay" with RFID Smart Bands®

Guests at amusement parks can forget about carrying wallets, purses, and cash and instead focus on having fun with Precision Dynamics Corporation's RFID-enabled Smart Band® wristbands that incorporate radio frequency identification technology from Texas Instruments. The Smart Bands individually identify patrons allowing them to gain access to parks, individual rides, and lockers; to pay for merchandise and refreshments without having to carry cash; and to even become part of the attraction in virtual or interactive games. Two theme parks in Atlanta, Georgia — Stone Mountain Park and Six Flags Over Georgia — have recently adopted the Smart Band RFID wristbands.

Guests at Stone Mountain Park



are using the Smart Bands to become the game pieces in one of the park's main attractions, a virtual fruit farming game, involving physical, interactive play. The wristbands are used to identify each player, to keep score at each game console, and to record players' point tallies on a master scoreboard.

Six Flags Over Georgia is using the Smart Band technology in a "Floating Locker System" developed by Compusafe™ Electronic Locker Systems of Wentworth Falls, Australia. Patrons at the park no longer have to waste valuable time walking back to a locker, designate a person to watch belongings while other group members go on a ride or attempt to juggle all their gear in one hand while holding onto their children with the other hand. Guests purchase their Locker Band for the day and the new RFID-based system lets them rent a locker on demand at any of the park's lockers for just the time they need it.

RFID technology can also be used for wireless payment and customer loyalty programs. With Smart Bands, guests at amusement parks can pay for purchases quickly and easily, with a flick of the wrist. The wristbands work as an "electronic wallet," which is debited each time a purchase is made. Patrons do not need to step out of line for attractions or spend time going back and forth to their lockers in order to buy refreshments from mobile vendors. Amusement parks can also utilize the technology to provide coupons and rewards to frequent visitors or to offer incentives for underutilized games or attractions. For more information, visit the Precision Dynamics Web site at www.smartband.com.

UK-Based SCN Containers Introduces First Returnable Pallet Boxes with RFID Tag-it™ Technology

The first multi-trip folding pallet containers equipped with radio frequency identification (RFID) tags have been implemented by UK-based SCN Containers Limited. TI's Tag-it™ 13.56 MHz technology will be used in SCN Containers' REHAU Raubox, a lightweight, re-useable, stackable, and folding pallet container.

TI's Tag-it smart label inlays enable easy, contactless identification and tracking throughout the supply chain. The RFID tags allow multiple boxes to be read simultaneously and have many advantages over traditional barcodes, including storing extensive data that can be updated and read electronically at any time without requiring contact or line of sight.

Customers can store information such as ownership, origin, and destination, allowing easier management of pallet boxes throughout the supply chain. TI-RFid tags require no battery or maintenance, and unlike barcodes, they are designed for long-term use and to withstand weather, dirt, dust, liquids and human error.

The RFID tags come standard in all Rauboxes and are available at no additional cost. The tags are embedded at the base and allow customers of SCN Containers the



ability to upgrade to RFID at any time without the expense of adding RFID tags or buying new pallet boxes.

For more information, contact Stuart Nicholls, SCN Containers at 0854 601 5035 or info@scncontainers.co.uk.

Calendar of Events

TI-RFid Systems will participate in the following upcoming shows and conferences:

Security 2002

October 8-11, 2002
Essen, Germany

Convergence 2002

October 21-23, 2002
Detroit, MI USA

Cartes 2002

November 5-7, 2002
Paris, France

EXPOSEC 2002

November 5-7, 2002
Sao Paulo, Brazil

Toegang+Controle 2002

November 12-13, 2002
Veldhoven, Netherland

Editor's Comments

eNEWS will be distributed via email on a frequent basis to keep you abreast of product and business highlights of Texas Instruments Radio Frequency Identification Systems.

I welcome your feedback. Send your email to: billallen@ti.com.

*Regards,
Bill Allen
Editor*

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